

## Publikácie / Publications

**Institute: SAVCHEM - Chemický ústav SAV**  
**Year of publication 2016~2021**

### Statistics publication category

AAB	Scientific monographs published in Slovak publishing houses	1
ABC	Chapters in scientific monographs published abroad	9
ADCA	Scientific papers in foreign journals registered in Current Contents Connect with IF (impacted)	320
ADDA	Scientific papers in domestic journals registered in Current Contents Connect with IF (impacted)	18
ADEB	Scientific papers in other foreign journals not registered in Current Contents Connect without IF (non-impacted)	1
ADFB	Scientific papers in other domestic journals not registered in Current Contents Connect without IF (non-impacted)	4
ADMA	Scientific papers in foreign impacted journals registered in Web of Sciences or Scopus	30
ADMB	Scientific papers in foreign non-impacted journals registered in Web of Sciences or Scopus	20
ADNA	Scientific papers in domestic impacted journals registered in Web of Sciences or Scopus	3
ADNB	Scientific papers in domestic non-impacted journals registered in Web of Sciences or Scopus	3
AECA	Scientific papers in foreign peer-reviewed proceedings and shorter chapters in foreign scientific monographs or academic/university textbooks	4
AEDA	Scientific papers in domestic peer-reviewed proceedings and shorter chapters in domestic scientific monographs or academic/university textbooks	1
AEGA	Abstracts of scientific papers published in foreign impacted journals registered in Current Contents Connect	1
AEMA	Abstracts of scientific papers published in foreign impacted journals registered in Web of Science Core Collection or Scopus	5
AFC	Published papers from foreign scientific conferences	15
AFD	Published papers from domestic scientific conferences	92
AFE	Abstracts of invited papers from foreign conferences	3
AFF	Abstracts of invited papers from domestic conferences	9
AFG	Abstracts of papers from foreign conferences	84
AFH	Abstracts of papers from domestic conferences	214
AFK	Foreign conferences posters	19
AFL	Domestic conferences posters	16
BAB	Professional books published in Slovak publishing houses	1
BDA	Entries in professional terminological dictionaries and encyclopedias published in foreign publishing houses	1
BDCA	Professional papers in foreign impacted journals registered in	1

	Current Contents Connect	
BDF	Professional papers in other domestic journals (not registered in CCC)	5
BEE	Professional papers in foreign proceedings (conference/non-conference; peer-reviewed/non-peer-reviewed)	1
FAI	Editorial work on book publications (bibliographies, encyclopedias, catalogues, dictionaries, collective publications/proceedings, atlases ...)	14
GHG	Works published on the internet	4
GII	Other publications and documents which is not possible to categorize into classes/categories mentioned above	205
<b>Count</b>		<b>1104</b>

### **AAB Scientific monographs published in Slovak publishing houses**

AAB01 BERTÓK, Tomáš - BERTÓKOVÁ, Anikó - FILIP, Jaroslav - HOLAZOVÁ, Alena - BELICKÝ, Štefan - KASÁK, Peter - TKÁČ, Ján. *Nanobiotechnológia alebo Od lepiacej pásky k medicínskym aplikáciám*. Bratislava : VEDA, 2017. 172 s. ISBN 978-80-224-1580-4

### **ABC Chapters in scientific monographs published abroad**

ABC01 DELORT, Anne Marie - VAITILINGOM, Mickael - JOLY, Muriel - AMATO, Pierre - WIRGOT, Nolwenn - LALLEMENT, Audrey - SANCELME, Martine - MATULOVÁ, Mária - DEGUILLAUME, Laurent. Clouds: A transient and stressing habitat for microorganisms. In *Microbial Ecology of Extreme Environments*. - Cham : Springer, 2017, chapter 10, p. 215-245. ISBN 978-3-319-51684-4. Dostupné na: [https://doi.org/10.1007/978-3-319-51686-8\\_10](https://doi.org/10.1007/978-3-319-51686-8_10)

ABC02 FILIP, Jaroslav - BERTÓK, Tomáš - TKÁČ, Ján. Electrochemical biosensors and biofuel cells based on graphene and graphene derivatives. In *Mechanical and Chemical Properties*. - Boca Raton : CRC Press, Taylor & Francis Group, 2016, chapter 11, p. 179-206. ISBN 978-1456591233.

ABC03 FILIP, Jaroslav - TKÁČ, Ján. Enzymatic electrodes: Characteristics, fabrication methods, and applications. In *Encyclopedia of Interfacial Chemistry: Surface Science and Electrochemistry*. - Oxford : Elsevier, 2018, vol. 7.1, p. 190-199. ISBN 978-0128097397.

ABC04 HEIFETZ, Alexander - SLÁDEK, Vladimír - TOWNSEND-NICHOLSON, Andrea - FEDOROV, Dmitri G.\*\*. Characterizing protein-protein interactions with the fragment molecular orbital method. In *Quantum Mechanics in Drug Discovery. Series: Methods in Molecular Biology*. - New York : Springer (Humana Press imprint), 2020, 2020, vol. 2114, chapter 13, p. 187-205. ISBN 978-1-0716-0281-2. Dostupné na: [https://doi.org/10.1007/978-1-0716-0282-9\\_13](https://doi.org/10.1007/978-1-0716-0282-9_13)

ABC05 HUSHEGYI, András - BELICKÁ, Ľudmila, Kľuková - BERTÓK, Tomáš - TKÁČ, Ján. Carbohydrate nanotechnology and its application to biosensor development. In *Carbohydrate Nanotechnology*. - Hoboken : John Wiley and Sons,

2016, chapter 15, p. 387-421. ISBN 978-1-118-86053-3. Dostupné na:  
<https://doi.org/10.1002/9781118860212.ch15>

- ABC06      RENARD, Pascal - CANET, Isabelle - SANCELME, Martine - MATULOVÁ, Mária - UHĽIARIKOVÁ, Iveta - EYHERAGUIBEL, Boris - NAUTON, Lionel - DEVEMY, Julien - TRAIKIA, Mounir - MALFREYT, Patrice - DELORT, Anne-Marie\*\*. Cloud microorganisms, an interesting source of biosurfactants. In *Surfactants and Detergents*. - London : IntechOpen, 2019, chapter 6, 17 p. ISBN 978-1-78984-661-4. Dostupné na: <https://doi.org/10.5772/intechopen.85621>
- ABC07      TKÁČ, Ján - FILIP, Jaroslav - KASÁK, Peter. Microdetectives: Fundamentals, fabrication and applications of electrochemical microbial biosensors. In *Encyclopedia of Interfacial Chemistry: Surface Science and Electrochemistry*. - Oxford : Elsevier, 2018, vol. 7.1, p. 337-349. ISBN 978-0128097397.
- ABC08      TURÁNEK, Jaroslav\*\* - MAŠEK, Josef - RAŠKA, Milan\*\* - LEDVINA, Miroslav - PAULOVÍČOVÁ, Ema - HUBATKA, František - KOTOUČEK, Jan\*\*. Modification of liposomal surface by polysaccharides: Preparation, characterization and application for drug targeting. In *Functional Polysaccharides for Biomedical Applications*. - Kidlington, UK : Woodhead Publishing (imprint of Elsevier), 2019, p. 433-460. ISBN 978-0-08-102555-0.
- ABC09      VADKERTIOVÁ, Renáta - DUDÁŠOVÁ, Hana - BALAŠČÁKOVÁ, Marta. Yeasts in agricultural and managed soils. In *Yeasts in Natural : Diversity*. - Cham : Springer Nature, 2017, p. 117-144. ISBN 978-3-319-62682-6. Dostupné na: [https://doi.org/10.1007/978-3-319-62683-3\\_4](https://doi.org/10.1007/978-3-319-62683-3_4)

**ADCA Scientific papers in foreign journals registered in Current Contents Connect with IF (impacted)**

- ADCA01      ACCOGLI, Gianluca - DESANTIS, Salvatore - MARTINO, Nicola Antonio - DELL'AQUILA, Maria Elena - GEMEINER, Peter - KATRLÍK, Jaroslav. A lectin-based cell microarray approach to analyze the mammalian granulosa cell surface glycosylation profile. In *Glycoconjugate Journal*, 2016, vol. 33, p. 717-724. (2015: 1.828 - IF, Q3 - JCR, 0.722 - SJR, Q3 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0282-0080. Dostupné na: <https://doi.org/10.1007/s10719-016-9666-2>
- ADCA02      ADESIOYE, Fiyinfoluwa A. - MAKHALANYANE, Thulani P. - BIELY, Peter - COWAN, Don A. Phylogeny, classification and metagenomic bioprospecting of microbial acetyl xylan esterases. In *Enzyme and Microbial Technology*, 2016, vol. 93-94, p. 79-91. (2015: 2.624 - IF, Q2 - JCR, 0.846 - SJR, Q2 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0141-0229. Dostupné na: <https://doi.org/10.1016/j.enzmictec.2016.07.001>
- ADCA03      AGUEDO, Juvissan - LORENCOVÁ, Lenka - BARÁTH, Marek - FARKAŠ, Pavol - TKÁČ, Ján\*\*. Electrochemical impedance spectroscopy on 2D nanomaterial MXene modified interfaces: Application as a characterization and transducing tool. In *Chemosensors*, 2020, vol. 8, art. no. 127 [20] p. (2019: 3.108 - IF, Q1 - JCR, 0.568 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 2227-9040. Dostupné na: <https://doi.org/10.3390/chemosensors8040127>

- ADCA04     ARAI, Tsutomu - BIELY, Peter - UHLIARIKOVÁ, Iveta - SATO, Nobuaki - MAKISHIMA, Satoshi - MIZUNO, Masahiro - NOZAKI, Kouichi - KANEKO, Satoshi - AMANO, Yoshihiko\*\*. Structural characterization of hemicellulose released from corn cob in continuous flow type hydrothermal reactor. In *Journal of Bioscience and Bioengineering*, 2019, vol. 127, p. 222-230. (2018: 2.032 - IF, Q2 - JCR, 0.617 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1389-1723. Dostupné na: <https://doi.org/10.1016/j.jbiosc.2018.07.016>
- ADCA05     ARMSTRONG, Michael C. - ŠESTÁK, Sergej - ALI, Ahmed A. - SAGINI, Hanan A.M. - BROWN, Max - BATY, Karen - TREUMANN, Achim - SCHRODER, Martin. Bypass of activation loop phosphorylation by aspartate 836 in activation of the endoribonuclease activity of Ire1. In *Molecular and Cellular Biology*, 2017, vol. 37, p. e00655-16. (2016: 4.398 - IF, Q1 - JCR, 3.478 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0270-7306. Dostupné na: <https://doi.org/10.1128/MCB.00655-16>
- ADCA06     ARROYO, Javier - FARKAŠ, Vladimír - SANZ, Ana B - CABIB, Enrico. 'Strengthening the fungal cell wall through chitin–glucan cross-links: effects on morphogenesis and cell integrity'. In *Cellular microbiology*. - Veľká Británia : Blackwell Synergy, 2016, vol. 18, p. 1239-1250. (2015: 4.460 - IF, Q1 - JCR, 2.949 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1462-5814. Dostupné na: <https://doi.org/10.1111/cmi.12615>
- ADCA07     ARUMUGAM, Nanthakumar - BIELY, Peter - PUCHART, Vladimír - SINGH, Suren - PILLAI, Santhosh\*\*. Structure of peanut shell xylan and its conversion to oligosaccharides. In *Process Biochemistry*, 2018, vol. 72, p. 124-129. (2017: 2.616 - IF, Q2 - JCR, 0.761 - SJR, Q2 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1359-5113. Dostupné na: <https://doi.org/10.1016/j.procbio.2018.06.024>
- ADCA08     ARUMUGAM, Nathakumar - BIELY, Peter - PUCHART, Vladimír - GERRANO, Abe Shegro - DE MUKHERJEE, Koel - SINGH, Suren - PILLAI, Santhosh\*\*. Xylan from bambara and cowpea biomass and their structural elucidation. In *International Journal of Biological Macromolecules*, 2019, vol. 132, p. 987-993. (2018: 4.784 - IF, Q1 - JCR, 0.962 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0141-8130. Dostupné na: <https://doi.org/10.1016/j.ijbiomac.2019.04.030>
- ADCA09     BALICKI, Sebastian\*\* - PAWLACZYK-GRAJA, Izabela - GANCARZ, Roman - CAPEK, Peter - WILK, Kazimiera\*\*. Optimization of ultrasound-assisted extraction of functional food fiber from canadian horseweed (*Erigeron canadensis* L.). In *ACS Omega*, 2020, vol. 5, p. 20854-20862. (2019: 2.870 - IF, Q2 - JCR, 0.767 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 2470-1343. Dostupné na: <https://doi.org/10.1021/acsomega.0c02181>
- ADCA10     BARÁTH, Marek\*\* - JAKUBČINOVÁ, Jana - KONYARIKOVÁ, Zuzana - KOZMON, Stanislav\*\* - MIKUŠOVÁ, Katarína - BELLA, Maroš. Synthesis, docking study and biological evaluation of D-fructofuranosyl and D-tagatofuranosyl sulfones as potential inhibitors of the mycobacterial galactan synthesis targeting the

galactofuranosyltransferase GlfT2. In *Beilstein Journal of Organic Chemistry*, 2020, vol. 16, p. 1853-1862. (2019: 2.622 - IF, Q2 - JCR, 0.714 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 1860-5397. Dostupné na: <https://doi.org/10.3762/bjoc.16.152>

- ADCA11 BARBORÍKOVÁ, Jana - ŠUTOVSKÁ, Martina - KAZIMIEROVÁ, Ivana - JOŠKOVÁ, Marta - FRAŇOVÁ, Soňa - KOPECKÝ, Ján - CAPEK, Peter\*\*. Extracellular polysaccharide produced by *Chlorella vulgaris* – Chemical characterization and anti-asthmatic profile. In *International Journal of Biological Macromolecules*, 2019, vol. 135, p. 1-11. (2018: 4.784 - IF, Q1 - JCR, 0.962 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0141-8130. Dostupné na: <https://doi.org/10.1016/j.ijbiomac.2019.05.104>
- ADCA12 BARTHELDYOVÁ, Eliška - TURÁNEK-KNOTIGOVÁ, Pavlína - ZACHOVÁ, Kateřina - MAŠEK, Jozef - KULICH, Pavel - EFFENBERG, Roman - ZYKA, Daniel - HUBATKA, František - KOTOUČEK, Jan - ČELECHOVSKÁ, Hana - HÉŽOVÁ, Renata - TOMEČKOVÁ, Andrea - MAŠKOVÁ, Eliška - FOJTÍKOVÁ, Martina - MACAULAY, Stuart - BYSTRICKÝ, Peter - PAULOVÍČOVÁ, Lucia - PAULOVÍČOVÁ, Ema\*\* - DROŽ, Ladislav - LEDVINA, Miroslav\*\* - RAŠKA, Milan\*\* - TURÁNEK, Jaroslav\*\*. N-Oxy lipid-based click chemistry for orthogonal coupling of mannan onto nanoliposomes prepared by microfluidic mixing: Synthesis of lipids, characterisation of mannan-coated nanoliposomes and in vitro stimulation of dendritic cells. In *Carbohydrate Polymers*, 2019, vol. 207, p. 521-532. (2018: 6.044 - IF, Q1 - JCR, 1.377 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0144-8617. Dostupné na: <https://doi.org/10.1016/j.carbpol.2018.10.121>
- ADCA13 BATHÓOVÁ, Monika\*\* - BOKOR, Boris - SOUKUP, Milan - LUX, Alexander - MARTINKA, Michal. Silicon-mediated cell wall modifications of sorghum root exodermis and suppression of invasion of fungus *Alternaria alternata*. In *Plant Pathology*, 2018, vol. 67, p. 1891-1900. (2017: 2.303 - IF, Q1 - JCR, 1.063 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0032-0862. Dostupné na: <https://doi.org/10.1111/ppa.12906>
- ADCA14 BEKEOVÁ, Carmen - REHÁKOVÁ, Alena - FECKOVÁ, Ľubomíra - VLČKOVÁ, Silvia - NOVÁKOVÁ, Renáta - MINGYAR, Erik - KORMANEC, Ján. Characterisation of the genes involved in the biosynthesis and attachment of the aminodeoxysuga. In *Applied Microbiology and Biotechnology*, 2016, vol. 100, p. 3177-3195. (2015: 3.376 - IF, Q2 - JCR, 1.256 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0175-7598. Dostupné na: <https://doi.org/10.1007/s00253-015-7214-9>
- ADCA15 KLUKOVÁ, Ľudmila, Kľuková - FILIP, Jaroslav - BELICKÝ, Štefan - VIKARTOVSKÁ, Alica - TKÁČ, Ján. Graphene oxide-based electrochemical label-free detection of glycoproteins down to aM level using a lectin biosensor. In *Analyst*. - Cambridge : Royal Society of Chemistry, 2016, vol. 141, p. 4278-4282. (2015: 4.033 - IF, Q1 - JCR, 1.229 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0003-2654. Dostupné na: <https://doi.org/10.1039/c6an00793g>

- ADCA16 BELICKÝ, Štefan - DAMBORSKÝ, Pavel - ZAPATERO-RODRÍGUEZ, Julia - O'KENNEDY, Richard - TKÁČ, Ján. Full-length antibodies versus single chain antibody fragments for a selective impedimetric lectin-based glycoprofiling of prostate specific antigen. In *Electrochimica Acta*, 2017, vol. 246, p. 399-405. (2016: 4.798 - IF, Q1 - JCR, 1.355 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0013-4686. Dostupné na: <https://doi.org/10.1016/j.electacta.2017.06.065>
- ADCA17 BELICKÝ, Štefan - ČERNOCKÁ, Hana - BERTÓK, Tomáš - HOLAZOVÁ, Alena - RÉBLOVÁ, Kamila - PALEČEK, Emil - TKÁČ, Ján - OSTATNÁ, Veronika. Label-free chronopotentiometric glycoprofiling of prostate specific antigen using sialic acid recognizing lectins. In *Bioelectrochemistry*, 2017, vol. 117, p. 89-94. (2016: 3.346 - IF, Q1 - JCR, 0.750 - SJR, Q2 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 1567-5394. Dostupné na: <https://doi.org/10.1016/j.bioelechem.2017.06.005>
- ADCA18 BELLA, Maroš - ŠESTÁK, Sergej - MONCOL, Ján - KOÓŠ, Miroslav - POLÁKOVÁ, Monika\*\*. Synthesis of 1,4-imino-L-lyxitols modified at C-5 and their biochemical evaluation as selective inhibitors of GH38  $\alpha$ -mannosidases. In *Beilstein Journal of Organic Chemistry*, 2018, vol. 14, p. 2156-2162. (2017: 2.330 - IF, Q2 - JCR, 0.929 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1860-5397. Dostupné na: <https://doi.org/10.3762/bjoc.14.189>
- ADCA19 BELLA, Maroš - YAN, Shi - ŠESTÁK, Sergej - KOZMON, Stanislav - LIN, Chun-Hung - MUCHA, Ján - KOÓŠ, Miroslav. Synthesis of a  $\beta$ -D-psicofuranosyl sulfone and inhibitory-activity evaluation against N-acetylglucosaminyltransferase. In *European Journal of Organic Chemistry*, 2017, vol. 2017, no. 41, p. 6179-6191. (2016: 2.834 - IF, Q2 - JCR, 1.177 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 1434-193X. Dostupné na: <https://doi.org/10.1002/ejoc.201701102>
- ADCA20 BERTÓK, Tomáš - LORENCOVÁ, Lenka - HRONČEKOVÁ, Štefánia - PINKOVÁ GAJDOŠOVÁ, Veronika - JÁNÉ, Eduard - HÍREŠ, Michal - KASÁK, Peter - KAMAN, Ondrej - SOKOL, Roman - BELLA, Vladimír - ECKSTEIN ANDICSOVÁ, Anita - MOSNÁČEK, Jaroslav - VIKARTOVSKÁ, Alica - TKÁČ, Ján\*\*. Advanced impedimetric biosensor configuration and assay protocol for glycoprofiling of a prostate oncomarker using Au nanoshells with a magnetic core. In *Biosensors and Bioelectronics*, 2019, vol. 131, p. 24-29. (2018: 9.518 - IF, Q1 - JCR, 2.553 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0956-5663. Dostupné na: <https://doi.org/10.1016/j.bios.2019.01.052>
- ADCA21 BERTÓK, Tomáš - JÁNÉ, Eduard - CHRENKOVÁ, Nikola - HRONČEKOVÁ, Štefánia - BERTÓKOVÁ, Anikó - HÍREŠ, Michal - VIKARTOVSKÁ, Alica - KUBANÍKOVÁ, Petra - SOKOL, Roman - FILLO, Juraj - KASÁK, Peter - BORSIG, Ľubor - TKÁČ, Ján\*\*. Analysis of serum glycome by lectin microarrays for prostate cancer patients - a search for aberrant glycoforms. In *Glycoconjugate Journal*, 2020, vol. 37, p. 703-711. (2019: 2.197 - IF, Q3 - JCR, 0.895 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0282-0080. Dostupné na: <https://doi.org/10.1007/s10719-020-09958-4>

- ADCA22     BERTÓK, Tomáš\*\* - LORENCOVÁ, Lenka - CHOCHOLOVÁ, Erika - JÁNE, Eduard - VIKARTOVSKÁ, Alica - KASÁK, Peter - TKÁČ, Ján\*\*. Electrochemical impedance spectroscopy based biosensors: Mechanistic principles, analytical examples and challenges towards commercialization for assays of protein cancer biomarkers. In *ChemElectroChem*, 2019, vol. 6, p. 989-1003. (2018: 3.975 - IF, Q2 - JCR, 1.245 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 2196-0216. Dostupné na: <https://doi.org/10.1002/celec.201800848>
- ADCA23     BERTÓK, Tomáš - BERTÓKOVÁ, Anikó - JÁNE, Eduard - HÍREŠ, Michal - AGUEDO, Juvisan - POTOČÁROVÁ, Mária - LUKÁČ, Ľudovít - VIKARTOVSKÁ, Alica - KASÁK, Peter - BORSIG, Ľubor - TKÁČ, Ján\*\*. Identification of a whole-serum glycomarkers for colorectal carcinoma using reverse-phase lectin microarray. In *Frontiers in Oncology Gastrointestina Cancers*, 2021, vol. 11, art. no. 735338 [11] p. (2020: 6.244 - IF, Q2 - JCR, 1.834 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 2234-943X. Dostupné na: <https://doi.org/10.3389/fonc.2021.735338>
- ADCA24     BERTÓK, Tomáš - CHOCHOLOVÁ, Erika - BELICKÝ, Štefan - ŠEDIVÁ, Alena - LORENCOVÁ, Lenka - MISLOVIČOVÁ, Danica - PAPRČKOVÁ, Darina - VIKARTOVSKÁ, Alica - PLICKA, Robert - KREJČÍ, Jan - ILČÍKOVÁ, Markéta - KASÁK, Peter - TKÁČ, Ján. Mixed zwitterion-based self-assembled monolayer interface for impedimetric glycomic analyses of human IgG samples in an array format. In *Langmuir*, 2016, vol. 32, p. 7070-7078. (2015: 3.993 - IF, Q1 - JCR, 1.650 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0743-7463. Dostupné na: <https://doi.org/10.1021/acs.langmuir.6b01456>
- ADCA25     BERTÓK, Tomáš - BERTÓKOVÁ, Anikó - HRONČEKOVÁ, Štefánia - CHOCHOLOVÁ, Erika - ŠVECOVÁ, Natália - LORENCOVÁ, Lenka - KASÁK, Peter - TKÁČ, Ján\*\*. Novel prostate cancer biomarkers: Aetiology, clinical performance and sensing applications. In *Chemosensors*, 2021, vol.9, art. no. 205 [33] p. (2020: 3.398 - IF, Q2 - JCR, 0.625 - SJR, Q2 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 2227-9040. Dostupné na: <https://doi.org/10.3390/chemosensors9080205>
- ADCA26     BERTÓKOVÁ, Anikó - BERTÓK, Tomáš - JÁNE, Eduard - HÍREŠ, Michal - ĎUBJAKOVÁ, Petra - NOVOTNÁ, Oľga - BELAN, Vít'azoslav - FILLO, Juraj - TKÁČ, Ján\*\*. Detection of N,N-diacetyllactosamine (LacdiNAc) containing free prostate-specific antigen for early stage prostate cancer diagnostics and for identification of castration-resistant prostate cancer patients. In *Bioorganic & Medicinal Chemistry*, 2021, vol. 39, art. no. 116156 [6] p. (2020: 3.641 - IF, Q2 - JCR, 0.721 - SJR, Q2 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0968-0896. Dostupné na: <https://doi.org/10.1016/j.bmc.2021.116156>
- ADCA27     BIELY, Peter\*\*. Boj s koronavírusom COVID-19 z hľadiska glykobiológie. In *Chemické Listy*, 2020, vol. 114, p. 493-495. (2019: 0.390 - IF, Q4 - JCR, 0.183 - SJR, Q3 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0009-2770.

- ADCA28 BIELY, Peter. Microbial glucuronoyl esterases: 10 years after discovery. In *Applied and Environmental Microbiology*, 2016, vol. 32, p. 7014-7018. (2015: 3.823 - IF, Q1 - JCR, 1.877 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0099-2240. Dostupné na: <https://doi.org/10.1128/AEM.02396-16>
- ADCA29 BIELY, Peter\*\* - SINGH, Suren - PUCHART, Vladimír. Towards enzymatic breakdown of complex plant xylan structures: State of the art. In *Biotechnology Advances*, 2016, vol. 34, p. 1260-1274. (2015: 9.848 - IF, Q1 - JCR, 2.915 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0734-9750. Dostupné na: <https://doi.org/10.1016/j.biotechadv.2016.09.001>
- ADCA30 BLŠÁKOVÁ, Anna - KVĚTOŇ, Filip - KASÁK, Peter - TKÁČ, Ján\*\*. Antibodies against aberrant glycans as cancer biomarkers. In *Expert Review of Molecular Diagnostics*, 2019, vol. 19, p. 1057-1068. (2018: 3.099 - IF, Q2 - JCR, 1.171 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1473-7159. Dostupné na: <https://doi.org/10.1080/14737159.2020.1687295>
- ADCA31 BOBOVSKÁ, Adela - TVAROŠKA, Igor - KÓŇA, Juraj. Using DFT methodology for more reliable predictive models: Design of inhibitors of Golgi  $\alpha$ -mannosidase II. In *Journal of molecular Graphics and Modelling*, 2016, vol. 66, p. 47-57. (2015: 1.674 - IF, Q2 - JCR, 0.467 - SJR, Q2 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1093-3263. Dostupné na: <https://doi.org/10.1016/j.jmngm.2016.03.004>
- ADCA32 BOKOR, Boris - SOUKUP, Milan - VACULÍK, Marek - VĎAČNÝ, P. - WEIDINGER, Marieluise - LICHTSCHEIDL, Irene - VÁVROVÁ, Silvia - ŠOLTYS, Katarína - SONAH, Humira - DESHMUKH, Rupesh - BÉLANGER, Richard - WHITE, Philip J. - EL-SEREHY, Hamed A. - LUX, Alexander\*\*. Silicon Uptake and Localisation in Date Palm (*Phoenix dactylifera*) – A Unique Association With Sclerenchyma. In *Frontiers in Plant Science*, 2019, vol. 10, art. no. 988. (2018: 4.106 - IF, Q1 - JCR, 1.687 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1664-462X. Dostupné na: <https://doi.org/10.3389/fpls.2019.00988>
- ADCA33 BONACCORSI DI PATTI, Maria Carmela\*\* - CUTONE, Antimo - NEMČOVIČ, Marek - PAKANOVÁ, Zuzana - BARÁTH, Peter - MUSCI, Giovanni\*\*. Production of Recombinant Human Ceruloplasmin: Improvements and Perspectives. In *International Journal of Molecular Sciences*, 2021, vol. 22, art. no. 8228, [10] p. (2020: 5.924 - IF, Q1 - JCR, 1.455 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 1422-0067. Dostupné na: <https://doi.org/10.3390/ijms22158228>
- ADCA34 BORTŇÁK, Dušan - MILATA, Viktor - ŠOFRANKO, Jakub - VÉGH, Daniel - FRONC, Marek - HERICH, Peter - KOŽÍŠEK, Jozef - DUJNÍČ, Viera - ŠORAL, Michal\*\*. On the formation of uncommon pyrazoloazepines from 5-aminopyrazoles as by-products in the Clauson-Kaas reaction. In *Journal of Molecular Structure*, 2018, vol. 1166, p. 243-251. (2017: 2.011 - IF, Q3 - JCR, 0.409 - SJR, Q3 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0022-2860. Dostupné na: <https://doi.org/10.1016/j.molstruc.2018.04.034>



- ADCA35 BREIEROVÁ, Emília - ČERTÍK, Milan\*\* - MÁROVÁ, Ivana - VADKERTIOVÁ, Renáta. The effect of Zn(II) ions and reactive oxygen on the uptake of zinc and production of carotenoids by selected red yeasts. In *Chemistry and Biodiversity*, 2018, vol. 15, iss. 6, p. e1800069. (2017: 1.617 - IF, Q3 - JCR, 0.531 - SJR, Q2 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1612-1872. Dostupné na: <https://doi.org/10.1002/cbdv.201800069>
- ADCA36 BRODACZEWSKA, Natalia - KOŠŤÁLOVÁ, Zuzana - UHRÍN, Dušan\*\*. (3, 2)D 1H, 13C BIRD, X-HSQC-TOCSY for NMR structure elucidation of mixtures: application to complex carbohydrates. In *Journal of Biomolecular NMR*, 2018, vol. 70, p. 115-122. (2017: 2.534 - IF, Q2 - JCR, 1.371 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). Dostupné na: <https://doi.org/10.1007/s10858-018-0163-8>
- ADCA37 BUČEKOVÁ, Marcela - JARDEKOVÁ, Lucia - JURICOVÁ, Valéria - BUGÁROVÁ, Veronika - DI MARCO, Gabriele - GISMONDI, Angelo - LEONARDI, Donatella - FARKAŠOVSKÁ, Jarmila - GODOČÍKOVÁ, Jana - LAHO, Maroš - KLAUDINY, Jaroslav - MAJTÁN, Viktor - CANINI, Antonella - MAJTÁN, Juraj\*\*. Antibacterial activity of different blossom honeys: New findings. In *Molecules*, 2019, vol. 24, no. 8, no. 1573. (2018: 3.060 - IF, Q2 - JCR, 0.757 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1420-3049. Dostupné na: <https://doi.org/10.3390/molecules24081573>
- ADCA38 BUČEKOVÁ, Marcela - SOJKA, Martin - VALACHOVÁ, Ivana - MARTINOTTI, S. - RANZATO, E. - SZEP, Z. - MAJTÁN, V. - KLAUDINY, Jaroslav - MAJTÁN, Juraj. Bee-derived antibacterial peptide, defensin-1, promotes wound re-epithelialisation in vitro and in vivo. In *Scientific Reports*, 2017, vol. 7, no. 1, art. no. 7340. (2016: 4.259 - IF, Q1 - JCR, 1.692 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 2045-2322. Dostupné na: <https://doi.org/10.1038/s41598-017-07494-0>
- ADCA39 BUČKO, Marek - GEMEINER, Peter - SCHENKMAYEROVÁ, Andrea - KRAJČOVIČ, Tomáš - RUDROFF, Florian - MIHOVILOVIČ, Marko. Baeyer-Villiger oxidations: biotechnological approach. In *Applied Microbiology and Biotechnology*, 2016, vol. 100, p. 6585-6599. (2015: 3.376 - IF, Q2 - JCR, 1.256 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0175-7598. Dostupné na: <https://doi.org/10.1007/s00253-016-7670-x>
- ADCA40 BUČKO, Marek\*\* - GEMEINER, Peter - KRAJČOVIČ, Tomáš - HAKAROVÁ, Marietta - CHORVÁT, Dušan Jr. - MARČEK CHORVÁTOVÁ, Alžbeta - LACÍK, Igor - RUDROFF, Florian - MIHOVILOVIČ, Marko D. Immobilized cell physiology imaging and stabilization of enzyme cascade reaction using recombinant cells *Escherichia coli* entrapped in polyelectrolyte complex beads by jet break-up encapsulator. In *Catalysts*, 2020, vol. 10, art. no. 1288, [12] p. (2019: 3.520 - IF, Q2 - JCR, 0.722 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 2073-4344. Dostupné na: <https://doi.org/10.3390/catal1011288>

- ADCA41 BURYI, Maksim\*\* - REMEŠ, Zdeněk - BABIN, Vladimír - ARTEMENKO, Anna - VANĚČEK, Vojtěch - AUBRECHTOVÁ DRAGONOVÁ, Kateřina - LANDOVÁ, Lucie - KUČERKOVÁ, Romana - MIČOVÁ, Júlia. Transformation of free-standing ZnO nanorods upon Er doping. In *Applied Surface Science*, 2021, vol. 562, art. no. 150217 [15] p. (2020: 6.707 - IF, Q1 - JCR, 1.295 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents, WOS, SCOPUS). ISSN 0169-4332. Dostupné na: <https://doi.org/10.1016/j.apsusc.2021.150217>
- ADCA42 BURYI, Maksym\*\* - BABIN, Vladimír - CHANG, Yu Ying - REMEŠ, Zdeněk - MIČOVÁ, Júlia - ŠIMEK, Daniel. Influence of precursor age on defect states in ZnO nanorods. In *Applied Surface Science*, 2020, vol. 525, art. no. 146448 [8] p. (2019: 6.182 - IF, Q1 - JCR, 1.230 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 0169-4332. Dostupné na: <https://doi.org/10.1016/j.apsusc.2020.146448>
- ADCA43 BURYI, Maksym\*\* - REMEŠ, Zdeněk - BABIN, Vladimír - NOVOTNÝ, Michal - VANĚČEK, Vojtěch - AUBRECHTOVÁ DRAGONOVÁ, Kateřina - MIČOVÁ, Júlia - LANDOVÁ, Lucie - KUČERKOVÁ, Romana - MORE-CHEVALIER, Joris - CHERTOPALOV, Sergii - FITL, Přemysl - KMJEČ, Tomáš. Influence of Mo doping on the luminescence properties and defect states in ZnO nanorods. Comparison with ZnO:Mo thin films. In *Applied Surface Science*, 2021, vol. 555, art. no. 149679 [16] p. (2020: 6.707 - IF, Q1 - JCR, 1.295 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents, WOS, SCOPUS). ISSN 0169-4332. Dostupné na: <https://doi.org/10.1016/j.apsusc.2021.149679>
- ADCA44 ŠMIGOVÁ, Júlia - PAPAJOVÁ, Ingrid\*\* - ŠOLTYS, Jindřich - PIPIKOVÁ, Jana - ŠMIGA, Lubomír - ŠNÁBEL, Viliam - TAKÁČOVÁ, Jana - TAKÁČ, Ladislav. The occurrence of endoparasites in Slovakian household dogs and cats. In *Veterinary Research Communications*, 2021, vol. 45, no. 4, p. 243–249. (2020: 2.459 - IF, Q1 - JCR, 0.729 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0165-7380. Dostupné na: <https://doi.org/10.1007/s11259-021-09804-4>
- ADCA45 BYSTRICKÝ, Peter\*\* - MACHOVÁ, Eva - BYSTRICKÝ, Slavomír. NMR comparison of hyphal and yeast *Candida albicans* serotype B mannans. In *European Biophysics Journal*, 2018, vol. 47, p. 591-596. (2017: 1.935 - IF, Q3 - JCR, 0.604 - SJR, Q2 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0175-7571. Dostupné na: <https://doi.org/10.1007/s00249-018-1298-y>
- ADCA46 CAPEK, Peter\*\* - MATULOVÁ, Mária - ŠUTOVSKÁ, Martina - BARBORÍKOVÁ, Jana - MOLITORISOVÁ, Miroslava - KAZIMIEROVÁ, Ivana. *Chlorella vulgaris*  $\alpha$ -L-arabino- $\alpha$ -L-rhamno- $\alpha$ , $\beta$ -D-galactan structure and mechanisms of its anti-inflammatory and anti-remodelling effects. In *International Journal of Biological Macromolecules*, 2020, vol. 162, p. 188-198. (2019: 5.162 - IF, Q1 - JCR, 0.972 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 0141-8130. Dostupné na: <https://doi.org/10.1016/j.ijbiomac.2020.06.151>
- ADCA47 CAPEK, Peter\*\* - ŠUTOVSKÁ, Martina\*\* - BARBORÍKOVÁ, Jana - KAZIMIEROVÁ, Ivana - FRAŇOVÁ, Soňa - KOPÁČOVÁ, Mária. Structural

characterization and anti-asthmatic effect of  $\alpha$ -L-arabino(4-O-methyl- $\alpha$ -D-glucurono)- $\beta$ -D-xylan from the roots of *Rudbeckia fulgida*. In *International Journal of Biological Macromolecules*, 2020, vol. 165, part A, p. 842-848. (2019: 5.162 - IF, Q1 - JCR, 0.972 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 0141-8130. Dostupné na: <https://doi.org/10.1016/j.ijbiomac.2020.09.246>

ADCA48 CSÖLLEIOVÁ, Dominika - KNIRSCHOVÁ, Renáta - REŽUCHOVÁ, Bronislava - HOMEROVÁ, Dagmar - ŠEVČÍKOVÁ, Beatrice - MATULOVÁ, Mária - NÚÑEZ, L.E. - NOVÁKOVÁ, Renáta - FECKOVÁ, Ľubomíra - JAVOROVÁ, Rachel - CORTÉS, J. - KORMANEC, Ján\*\*. An efficient system for stable markerless integration of large biosynthetic gene clusters into *Streptomyces* chromosomes. In *Applied Microbiology and Biotechnology*, 2021, vol. 105, p. 2123–2137. (2020: 4.813 - IF, Q1 - JCR, 1.074 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0175-7598. Dostupné na: <https://doi.org/10.1007/s00253-021-11161-w>

ADCA49 CYBULSKA, Justyna - HALAJ, Michal - CEPÁK, Vladimír - LUKAVSKÝ, Jaroslav - CAPEK, Peter. Nanostructure features of microalgae biopolymer. In *Starch-Starke*, 2016, vol. 68, p. 629-636. (2015: 1.523 - IF, Q2 - JCR, 0.528 - SJR, Q2 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0038-9056. Dostupné na: <https://doi.org/10.1002/star.201500159>

ADCA50 ČERMÁKOVÁ, Petra - MAĎAROVÁ, Anna - BARÁTH, Peter - BELLOVÁ, Jana - YURCHENKO, Vyacheslav - HORVÁTH, Anton. Differences in mitochondrial NADH dehydrogenase activities in trypanosomatids. In *Parasitology*, 2021, vol. 148, no. 10, p. 1161-1170. (2020: 3.234 - IF, Q2 - JCR, 0.951 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0031-1820. Dostupné na: <https://doi.org/10.1017/S0031182020002425>

ADCA51 ČIPÁKOVÁ, Ingrid - JURČÍK, Matúš - RUBINTOVÁ, Veronika - BORBOVÁ, Marianna - MIKOLÁŠKOVÁ, Barbora - JURČÍK, Ján - BELLOVÁ, Jana - BARÁTH, Peter - GREGAN, Juraj\*\* - ČIPÁK, Ľuboš\*\*. Identification of proteins associated with splicing factors Ntr1, Ntr2, Brr2 and Gpl1 in the fission yeast *Schizosaccharomyces pombe*. In *Cell Cycle*, 2019, vol. 18, no. 14, p. 1532-1536. (2018: 3.259 - IF, Q3 - JCR, 1.327 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1538-4101. Dostupné na: <https://doi.org/10.1080/15384101.2019.1632126>

ADCA52 ČÍŽOVÁ, Alžbeta - KORCOVÁ, Jana, Vráblová - FARKAŠ, Pavol - BYSTRICKÝ, Slavomír. Efficient separation of mannan-protein by ionic liquid aqueous two-phase system, comparison with lectin affinity purification. In *International Journal of Biological Macromolecules*, 2017, vol. 98, p. 314-318. (2016: 3.671 - IF, Q1 - JCR, 0.882 - SJR, Q2 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0141-8130. Dostupné na: <https://doi.org/10.1016/j.ijbiomac.2017.02.001>

ADCA53 ČÍŽOVÁ, Alžbeta - NEŠČÁKOVÁ, Zuzana - MALOVÍKOVÁ, Anna - BYSTRICKÝ, Slavomír. Preparation and characterization of cationic and amphoteric mannans from *Candida albicans*. In *Carbohydrate Polymers*, 2016, vol.

149, p. 1-7. (2015: 4.219 - IF, Q1 - JCR, 1.440 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0144-8617. Dostupné na: <https://doi.org/10.1016/j.carbpol.2016.04.083>

- ADCA54     ČÍŽOVÁ, Alžbeta\*\* - CSOMOROVÁ, Katarína - RYCHLÝ, Jozef - BYSTRICKÝ, Slavomír. Stability of cationic and amphoteric derivatives of mannan from the yeast *Candida albicans*. In *Carbohydrate Polymers*, 2019, vol. 207, p. 440-446. (2018: 6.044 - IF, Q1 - JCR, 1.377 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0144-8617. Dostupné na: <https://doi.org/10.1016/j.carbpol.2018.11.101>
- ADCA55     DAMBORSKÁ, Dominika - KASÁK, Peter - KUBÁNIKOVÁ, Petra - SOKOL, Roman - TKÁČ, Ján. Aberrant sialylation of a prostate-specific antigen: Electrochemical label-free glycoprofiling in prostate cancer serum samples. In *Analytica Chimica Acta*, 2016, vol. 934, p. 72-79. (2015: 4.712 - IF, Q1 - JCR, 1.469 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0003-2670. Dostupné na: <https://doi.org/10.1016/j.aca.2016.06.043>
- ADCA56     DAMBORSKÁ, Dominika - BERTÓK, Tomáš - CHOCHOLOVÁ, Erika - HOLAZOVÁ, Alena - LORENCOVÁ, Lenka - KASÁK, Peter - TKÁČ, Ján. Nanomaterial-based biosensors for detection of prostate specific antigen. In *Microchimica Acta*, 2017, vol. 184, p. 3049-3067. (2016: 4.580 - IF, Q1 - JCR, 1.111 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0026-3672. Dostupné na: <https://doi.org/10.1007/s00604-017-2410-1>
- ADCA57     DAMBORSKÁ, Dominika - BELICKÝ, Štefan - KASÁK, Peter - BERTÓK, Tomáš - TKÁČ, Ján. Sensitive detection and glycoprofiling of a prostate specific antigen using impedimetric assays. In *Analyst*, 2016, vol. 141, p. 1044-1051. (2015: 4.033 - IF, Q1 - JCR, 1.229 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0003-2654. Dostupné na: <https://doi.org/10.1039/c5an02322j>
- ADCA58     DAMBORSKÁ, Dominika - PAKANOVÁ, Zuzana - NEMČOVIČ, Marek - BARÁTH, Peter - BELICKÝ, Štefan - BERTÓK, Tomáš - KASÁK, Peter - MUCHA, Ján - TKÁČ, Ján. Sweet characterisation of prostate specific antigen using electrochemical lectin-based immunosensor assay and MALDI TOF/TOF analysis: Focus on sialic acid. In *Proteomics*, 2016, vol. 16, p. 3085-3095. (2015: 4.079 - IF, Q1 - JCR, 1.480 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1615-9853. Dostupné na: <https://doi.org/10.1002/pmic.201500463>
- ADCA59     DAMBORSKÝ, Pavel - KRIŽÁKOVÁ, Martina, Zámorová - KATRLÍK, Jaroslav. Determining the binding affinities of prostate-specific antigen to lectins: SPR and microarray approaches. In *Proteomics*, 2016, vol. 16, p. 3096-3104. (2015: 4.079 - IF, Q1 - JCR, 1.480 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1615-9853. Dostupné na: <https://doi.org/10.1002/pmic.201500466>
- ADCA60     DAMBORSKÝ, Pavel - KOCZULA, Katarzyna M. - GALLOTA, Andrea - KATRLÍK, Jaroslav. Lectin-based lateral flow assay: proof-of-concept. In *Analyst*, 2016, vol. 141, p. 6444-6448. (2015: 4.033 - IF, Q1 - JCR, 1.229 - SJR, Q1 - SJR,

Current Contents - CCC). (2016 - Current Contents). ISSN 0003-2654. Dostupné na: <https://doi.org/10.1039/c6an01746k>

- ADCA61 DANKO, Martin\*\* - KRONEKOVÁ, Zuzana - KRUPA, Igor - TKÁČ, Ján - MATÚŠ, Peter - KASÁK, Peter\*\*. Exchange counterion in polycationic hydrogels: Tunability of hydrophobicity, water state, and floating capability for a floating pH device. In *Gels : open access journal*, 2021, vol. 7, art. no. 109, [19] p. (2020: 4.702 - IF, Q1 - JCR, 0.569 - SJR, Q2 - SJR, Current Contents - CCC). (2021 - Current Contents, WOS, SCOPUS). ISSN 2310-2861. Dostupné na: <https://doi.org/10.3390/gels7030109>
- ADCA62 DANKO, Martin - KRONEKOVÁ, Zuzana - MRLÍK, Miroslav - OSICKA, Josef - YOUSAF, Ammar bin - MIHÁLOVÁ, Andrea - TKÁČ, Ján - KASÁK, Peter\*\*. Sulfobetaines meet carboxybetaines: Modulation of thermo- and ion-responsivity, water structure, mechanical properties, and cell adhesion. In *Langmuir*, 2019, vol. 35, no. 5, p. 1391-1403. (2018: 3.683 - IF, Q2 - JCR, 1.209 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0743-7463. Dostupné na: <https://doi.org/10.1021/acs.langmuir.8b01592>
- ADCA63 DARVASIOVÁ, Denisa - ŠORAL, Michal - PUŠKÁROVÁ, Ingrid - DVORANOVÁ, Dana - VÉNOSOVÁ, Barbora - BUČINSKÝ, Lukáš - ZALIBERA, Michal - DUJNÍČ, Viera - DOBROV, Anatoly A. - SCHWALBE, Matthias - ARION, Vladimír - RAPTA, Peter\*\*. Spectroelectrochemical, photochemical and theoretical study of octaazamacrocyclic nickel(II) complexes exhibiting unusual solvent-dependent deprotonation of methylene group. In *Electrochimica Acta*, 2019, vol. 326, art. no. 135006 [13] p. (2018: 5.383 - IF, Q1 - JCR, 1.365 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0013-4686. Dostupné na: <https://doi.org/10.1016/j.electacta.2019.135006>
- ADCA64 DELLA SALA, Paolo - VANNI, Costanza - TALOTTA, Carmen - DI MARINO, Luca - MATASSINI, Camilla - GOTI, Andrea - NERI, Placido - ŠESTÁK, Sergej - CARDONA, Francesca\*\* - GAETA, Carmine\*\*. Multivalent resorcinarene clusters decorated with DAB-1 inhitoes: targeting Golgi  $\alpha$ -mannosidase from Drosophila melanogaster. In *Organic Chemistry Frontiers*, 2021, vol. 8, p. 6648-6656. (2020: 5.281 - IF, Q1 - JCR, 1.377 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 2052-4129. Dostupné na: <https://doi.org/10.1039/d1qo01048d>
- ADCA65 DIKOŠOVÁ, Livia - OTOČKOVÁ, Barbora - MALATINSKÝ, Tomáš - DOHÁŇŠOVÁ, Jana - KOPÁČOVÁ, Mária - ĎURINOVÁ, Anna - SMUTNÁ, Lucie - TREJTAR, František\*\* - FISCHER, Róbert\*\*. New total synthesis and structure confirmation of putative (+)-hyacinthacine C3 and (+)-5-epihyacinthacine C3. In *RSC Advances*, 2021, vol. 11, p. 31621-31630. (2020: 3.361 - IF, Q2 - JCR, 0.746 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 2046-2069. Dostupné na: <https://doi.org/10.1039/d1ra06225e>
- ADCA66 DIVIAKOVÁ, Andrea - STAŠIOV, Slavomír - PONDELÍK, Radovan - PÄTOPRSTÝ, Vladimír - NOVIKMEC, Milan\*\*. Environmental and management control over the submontane grassland plant communities in central Slovakia. In *Diversity*, 2021, vol. 13, art. no. 30 [14] p. (2020: 2.465 - IF, Q2 - JCR, 0.697 - SJR,

Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 1424-2818.  
Dostupné na: <https://doi.org/10.3390/d13010030>

ADCA67 DOVINOVÁ, Ima\*\* - HRABÁROVÁ, Eva - JANSEN, Eugene - KVANDOVÁ, Miroslava - MAJZÚNOVÁ, Miroslava - BERÉNYIOVÁ, Andrea - BARANČÍK, Miroslav\*\*. ADMA, homocysteine and redox status improvement by 7-nitroindazole in spontaneously hypertensive rats. In *Biomedicine & Pharmacotherapy*, 2018, vol. 106, p. 1478-1483. (2017: 3.457 - IF, Q2 - JCR, 0.951 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0753-3322. Dostupné na: <https://doi.org/10.1016/j.biopha.2018.07.096>

ADCA68 DUJNÍČ, Viera - FARGAŠOVÁ, Agáta. Charakterizácia nanočastíc a ich vplyv na eukaryotické bunky a vyššie rastliny (Characterization of nanoparticles and their effects on eukaryotic cells and higher plants). In *Chemické Listy*, 2016, vol. 110, p. 440-446. (2015: 0.279 - IF, Q4 - JCR, 0.176 - SJR, Q4 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0009-2770.

ADCA69 DUPUY, Joan - LEGLIZE, Pierre - VINCENT, Quentin - ZELKO, Ivan - MUSTIN, Christian - OUVARD, Stephanie - STERCKEMAN, Thibault. Effect and localization of phenanthrene in maize roots. In *Chemosphere*, 2016, vol. 149, p. 130-136. (2015: 3.698 - IF, Q1 - JCR, 1.497 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0045-6535. Dostupné na: <https://doi.org/10.1016/j.chemosphere.2016.01.102>

ADCA70 DŽUBÁK, Petr - GURSKÁ, Soňa - BOGDANOVÁ, Kateřina - UHRÍKOVÁ, Daniela - KANJAKOVÁ, Nina - COMBET, Sophie - KLUNDA, Tomáš - KOLÁŘ, Milan - HAJDÚCH, Marian\*\* - POLÁKOVÁ, Monika\*\*. Antimicrobial and cytotoxic activity of (thio)alkyl hexopyranosides, nonionic glycolipid mimetics. In *Carbohydrate Research*, 2020, vol. 488, art. no. 107905 [11] p. (2019: 1.841 - IF, Q2 - JCR, 0.501 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0008-6215. Dostupné na: <https://doi.org/10.1016/j.carres.2019.107905>

ADCA71 FANG, Wenxia - SANZ, Ana Belén - BARTUAL, Sergio Galán - WANG, Bin - FERENBACH, Andrew T. - FARKAŠ, Vladimír - HURTADO-GUERRERO, Ramón - ARROYO, Javier\*\* - VAN AALTEN, Daan M.F.\*\*. Mechanisms of redundancy and specificity of the *Aspergillus fumigatus* Crh transglycosylases. In *Nature Communications*, 2019, vol. 10, art. no. 1669. (2018: 11.878 - IF, Q1 - JCR, 5.992 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 2041-1723. Dostupné na: <https://doi.org/10.1038/s41467-019-09674-0>

ADCA72 FARKAŠ, Pavol - ČÍŽOVÁ, Alžbeta - BYSTRICKÝ, Peter - PAULOVIČOVÁ, Lucia - PAULOVIČOVÁ, Ema - BYSTRICKÝ, Slavomír. One-pot preparation of labelled mannan-peptide conjugate, model for immune cell processing. In *Glycoconjugate Journal*, 2016, vol. 33, no. 1, p. 113-120. (2015: 1.828 - IF, Q3 - JCR, 0.722 - SJR, Q3 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0282-0080. Dostupné na: <https://doi.org/10.1007/s10719-015-9644-0>

- ADCA73 FILIP, Jaroslav - ECKSTEIN ANDICSOVÁ, Anita - VIKARTOVSKÁ, Alica - TKÁČ, Ján. Immobilization of bilirubin oxidase on graphene oxide flakes with different negative charge density for oxygen reduction. The effect of GO charge density on enzyme coverage, electron transfer rate and current density. In *Biosensors & Bioelectronics*, 2017, vol. 89, p. 384-389. (2016: 7.780 - IF, Q1 - JCR, 2.095 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0956-5663. Dostupné na: <https://doi.org/10.1016/j.bios.2016.06.006>
- ADCA74 FILIP, Jaroslav - ZAVAHIR, Sifani - BELICKÁ, Ľudmila, Kľuková - TKÁČ, Ján - KASÁK, Peter. Immobilization of concanavalin A lectin on a reduced graphene oxide-thionine surface by glutaraldehyde crosslinking for the construction of an impedimetric biosensor. In *Journal of Electroanalytical Chemistry*, 2017, vol. 794, p. 156-163. (2016: 3.012 - IF, Q2 - JCR, 0.752 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0022-0728. Dostupné na: <https://doi.org/10.1016/j.jelechem.2017.04.019>
- ADCA75 FILIP, Jaroslav - POPELKA, Anton - BERTÓK, Tomáš - HOLAZOVÁ, Alena - OSIČKA, Jozef - KOLLÁR, Jozef - ILČÍKOVÁ, Markéta - TKÁČ, Ján - KASÁK, Peter. pH-switchable interaction of a carboxybetaine ester-based SAM with DNA and gold nanoparticles. In *Langmuir*, 2017, vol. 33, p. 6657-6666. (2016: 3.833 - IF, Q1 - JCR, 1.559 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0743-7463. Dostupné na: <https://doi.org/10.1021/acs.langmuir.7b00568>
- ADCA76 FILIP, Jaroslav - ZAVAHIR, Sifani - LORENCOVÁ, Lenka - BERTÓK, Tomáš - YOUSAF, Ammar Bin - MAHMOUD, Khaled A. - TKÁČ, Ján - KASÁK, Peter\*\*. Tailoring electrocatalytic properties of Pt nanoparticles grown on Ti3C2TX MXene surface. In *Journal of the Electrochemical Society*, 2019, vol. 166, p. H54-H62. (2018: 3.120 - IF, Q1 - JCR, 1.138 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0013-4651. Dostupné na: <https://doi.org/10.1149/2.0991902jes>
- ADCA77 FLEISCHHACKEROVÁ, Anna, Slimáková - KORCOVÁ, Jana, Vráblová - BYSTRICKÝ, Slavomír. Immunogenicity of a glycoconjugate from hydrazine-detoxifies lipopolysaccharide of *Vibrio cholerae* O139. In *Scandinavian Journal of Immunology*, 2017, vol. 86, p. 444-451. (2016: 2.256 - IF, Q3 - JCR, 0.979 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0300-9475. Dostupné na: <https://doi.org/10.1111/sji.12623>
- ADCA78 FRANKOVSKY, J. - KERESZTESOVÁ, Barbora\* - BELLOVÁ, Jana - KUNOVÁ, Nina - ČANIGOVÁ, N. - HANAKOVA, K. - BAUER, Jacob - ONDROVIČOVÁ, Gabriela - LUKÁČOVÁ, Veronika - SIVÁKOVÁ, Barbara - ZDRÁHAL, Zbyněk - PEVALA, Vladimír - PROCHÁZKOVÁ, K. - NOSEK, J. - BARÁTH, Peter\*\* - KUTEJOVÁ, Eva\*\* - TOMAŠKA, Ľubomír\*\*. The yeast mitochondrial succinylome: Implications for regulation of mitochondrial nucleoids. In *Journal of Biological Chemistry*, 2021, vol. 297, no. 4, no. 101155 [16] p. (2020: 5.157 - IF, Q2 - JCR, 2.361 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0021-9258. Dostupné na: <https://doi.org/10.1016/j.jbc.2021.101155>

- ADCA79     FRAŇOVÁ, Lucia - PUCHART, Vladimír - BIELY, Peter.  
 $\beta$ -Glucuronidase-coupled assays of glucuronoyl esterases. In *Analytical Biochemistry*, 2016, vol. 510, p. 114-119. (2015: 2.243 - IF, Q2 - JCR, 0.729 - SJR, Q2 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0003-2697. Dostupné na: <https://doi.org/10.1016/j.ab.2016.07.023>
- ADCA80     GARAJOVÁ, Soňa - MATHIEU, Yann - BECCIA, Maria Rosa - BENNATI-GRANIER, Chloé - BIASO, Frédéric - FANUEL, Mathieu - ROPARTZ, David - GUIGLIARELLI, Bruno - RECORD, Eric - ROGNIAUX, Hélène - HENRISSAT, Bernard - BERRIN, Jean-Guy. Single-domain flavoenzymes trigger lytic polysaccharide monooxygenases for oxidative degradation of cellulose. In *Scientific Reports*, 2016, vol. 6, art. no. 28276. (2015: 5.228 - IF, Q1 - JCR, 2.034 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 2045-2322. Dostupné na: <https://doi.org/10.1038/srep28276>
- ADCA81     GARAJOVÁ, Soňa\*\* - PATEL, Ilababen - LOMASCOLO, Anne - LEGÉE, Frédéric - CÉZARD, Laurent - COTTYN, Betty - LECOURT, Michaël - BERTRAND, Emmanuel - SCIARA, Giuliano - TAPIN-LINGUA, Sandra - BAUMBERGER, Stéphanie - FAULDS, Craig B. - RECORD, Eric. Treatment of wood fibres with laccases: improved hardboard properties through phenolic oligomerization. In *European Journal of Wood and Wood Products*, 2021, vol. 79, p. 1369-1382. (2020: 2.014 - IF, Q2 - JCR, 0.488 - SJR, Q2 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0018-3768. Dostupné na: <https://doi.org/10.1007/s00107-021-01720-3>
- ADCA82     GILLIS, Richard B. - ADAMS, Gary G. - BESONG, David T.M. - MACHOVÁ, Eva - EBRINGEROVÁ, Anna - ROWE, Arthur J. - HARDING, Stephen E. - PATEL, Trushar R. Application of novel analytical ultracentrifuge analysis to solutions of fungal mannans. In *European Biophysics Journal*, 2017, vol. 46, p. 235-245. (2016: 1.472 - IF, Q4 - JCR, 0.681 - SJR, Q2 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS). ISSN 0175-7571. Dostupné na: <https://doi.org/10.1007/s00249-016-1159-5>
- ADCA83     GIMÉNEZ-MASCARELL, P. - MAJTÁN, T. - OYENARTE, I. - EREÑO-ORBEA, J. - MAJTÁN, Juraj - KLAUDINY, Jaroslav - KRAUS, J.P. - MARTÍNEZ-CRUZ, L.A.\*\*. Crystal structure of cystathionine  $\beta$ -synthase from honeybee *Apis mellifera*. In *Journal of Structural Biology*, 2018, vol. 202, p. 82-93. (2017: 3.433 - IF, Q2 - JCR, 3.948 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1047-8477. Dostupné na: <https://doi.org/10.1016/j.jsb.2017.12.008>
- ADCA84     GLIGORIJEVIĆ, Nikola\*\* - MINIĆ, Simeon - KRIŽÁKOVÁ, Martina, Zámorová - KATRLÍK, Jaroslav - NEDIĆ, Olgica. Structural changes of fibrinogen as a consequence of cirrhosis. In *Thrombosis Research*, 2018, vol. 166, p. 43-49. (2017: 2.779 - IF, Q2 - JCR, 1.096 - SJR, Q2 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0049-3848. Dostupné na: <https://doi.org/10.1016/j.thromres.2018.04.005>
- ADCA85     GLIGORIJEVIĆ, Nikola\*\* - KRIŽÁKOVÁ, Martina, Zámorová - PENEZIĆ, Ana - KATRLÍK, Jaroslav - NEDIĆ, Olgica. Structural and functional changes of



fibrinogen due to aging. In *International Journal of Biological Macromolecules*, 2018, vol. 108, p. 1028-1034. (2017: 3.909 - IF, Q1 - JCR, 0.917 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0141-8130. Dostupné na: <https://doi.org/10.1016/j.ijbiomac.2017.11.016>

ADCA86 GONDA, Jozef\*\* - ŠIROKÝ, Michael - MARTINKOVÁ, Miroslava - HOMOLYA, Samuel - VILKOVÁ, Mária - BAGO PILÁTOVÁ, Martina - ŠESTÁK, Sergej. Synthesis and biological activity of diastereoisomeric octahydro-1H-indole-5,6,7-trioles, analogues of castanospermine. In *Tetrahedron*, 2019, vol. 75, p. 398-408. (2018: 2.379 - IF, Q2 - JCR, 0.709 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0040-4020. Dostupné na: <https://doi.org/10.1016/j.tet.2018.12.008>

ADCA87 GUO, Boyang - SATO, Nobuaki - BIELY, Peter - AMANO, Yoshihiko - NOZAKI, Kouichi. Comparison of catalytic properties of multiple beta-glucosidases of *Trichoderma reesei*. In *Applied Microbiology and Biotechnology*, 2016, vol. 100, p. 4959-4968. (2015: 3.376 - IF, Q2 - JCR, 1.256 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0175-7598. Dostupné na: <https://doi.org/10.1007/s00253-016-7342-x>

ADCA88 HALAJ, Michal - PAULOVIČOVÁ, Ema - PAULOVIČOVÁ, Lucia - JANTOVÁ, Soňa - CEPÁK, Vladislav - LUKAVSKÝ, Jaromír - CAPEK, Peter\*\*. Biopolymer of dictyosphaerium chlorelloides - chemical characterization and biological effects. In *International Journal of Biological Macromolecules*, 2018, vol. 113, p. 1248-1257. (2017: 3.909 - IF, Q1 - JCR, 0.917 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0141-8130. Dostupné na: <https://doi.org/10.1016/j.ijbiomac.2018.03.052>

ADCA89 HALAJ, Michal - PAULOVIČOVÁ, Ema - PAULOVIČOVÁ, Lucia - JANTOVÁ, Soňa - CEPÁK, Vladislav - LUKAVSKÝ, Jaromír - CAPEK, Peter\*\*. Extracellular biopolymers produced by Dictyosphaerium family - Chemical and immunomodulative properties. In *International Journal of Biological Macromolecules*, 2019, vol. 121, p. 1254-1263. (2018: 4.784 - IF, Q1 - JCR, 0.962 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0141-8130. Dostupné na: <https://doi.org/10.1016/j.ijbiomac.2018.10.116>

ADCA90 HALAJ, Michal - MATULOVÁ, Mária - ŠUTOVSKÁ, Martina\*\* - BARBORÍKOVÁ, Jana - KAZIMIEROVÁ, Ivana - FRAŇOVÁ, Soňa - PŘIBYL, Pavel - CEPÁK, Vladislav - LUKAVSKÝ, Jaromír - CAPEK, Peter\*\*. Chemico-physical and pharmacodynamic properties of extracellular Dictyosphaerium chlorelloides biopolymer. In *Carbohydrate Polymers*, 2018, vol. 198, p. 215-224. (2017: 5.158 - IF, Q1 - JCR, 1.428 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0144-8617. Dostupné na: <https://doi.org/10.1016/j.carbpol.2018.06.018>

ADCA91 HARADA, Ryuhei\*\* - SLÁDEK, Vladimír\*\* - SHIGETA, Yasuteru\*\*. Nontargeted parallel cascade selection molecular dynamics using time-localized prediction of conformational transitions in protein dynamics. In *Journal of Chemical Theory and Computation*, 2019, vol. 15, p. 5144-5153. (2018: 5.313 - IF, Q1 - JCR,

2.236 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1549-9618. Dostupné na: <https://doi.org/10.1021/acs.jctc.9b00489>

- ADCA92 HARADA, Ryuhei\*\* - SLÁDEK, Vladimír\*\* - SHIGETA, Yasuteru\*\*. Non-targeted parallel cascade selection molecular dynamics based on a nonredundant selection rule for initial structures enhances conformational sampling of proteins. In *Journal of Chemical Information and Modeling*, 2019, vol. 59, issue 12, p. 5198-5206. (2018: 3.966 - IF, Q1 - JCR, 1.446 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1549-9596. Dostupné na: <https://doi.org/10.1021/acs.jcim.9b00753>
- ADCA93 HAYDARY, Juma\*\* - ŠUHAIJ, Patrik - ŠORAL, Michal. Semi-batch gasification of refuse-derived fuel (RDF). In *Processes*, 2021, vol. 9, art. no. 343 [12] p. (2020: 2.847 - IF, Q3 - JCR, 0.414 - SJR, Q2 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 2227-9717. Dostupné na: <https://doi.org/10.3390/pr9020343>
- ADCA94 HÍREŠ, Michal - JÁNÉ, Eduard - MEGO, Michal - CHOVANEC, Michal - KASÁK, Peter\*\* - TKÁČ, Ján\*\*. Glycan analysis as biomarkers for testicular cancer. In *Diagnostics*, 2019, vol 9, iss. 4, art no. 156. (2018: 2.489 - IF, Q2 - JCR, 0.917 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 2075-4418. Dostupné na: <https://doi.org/10.3390/diagnostics9040156>
- ADCA95 HLASOVÁ, Zuzana - PAŽITNÁ, Lucia - ONDREJOVIČ, Miroslav - KATRLÍK, Jaroslav\*\*. Lectin-based assay for the determination of the inhibition activity of small molecule inhibitors of neuraminidases. In *Journal of Biotechnology*, 2021, vol. 325, p. 65-72. (2020: 3.307 - IF, Q2 - JCR, 0.901 - SJR, Q2 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0168-1656. Dostupné na: <https://doi.org/10.1016/j.jbiotec.2020.11.016>
- ADCA96 HLASOVÁ, Zuzana - KOŠÍK, Ivan - ONDREJOVIČ, Miroslav - MIERTUŠ, Stanislav - KATRLÍK, Jaroslav\*\*. Methods and current trends in determination of neuraminidase activity and evaluation of neuraminidase inhibitors. In *Critical Reviews in Analytical Chemistry*, 2019, vol. 49, p. 350-367. (2018: 4.325 - IF, Q1 - JCR, 0.852 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1040-8347. Dostupné na: <https://doi.org/10.1080/10408347.2018.1531692>
- ADCA97 HOLAZOVÁ, Alena - KATRLÍK, Jaroslav. Sledování glykosylace lektinovými biočipy a biosenzory využívající povrchovou plasmonovou rezonanci. (Determination of glycosylation by lectin biochips and biosensors based on surface plasmon resonance). In *Chemické Listy*, 2016, vol. 110, p. 842-850. (2015: 0.279 - IF, Q4 - JCR, 0.176 - SJR, Q4 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0009-2770.
- ADCA98 HOMOLA, Tomáš\*\* - LORENCOVÁ, Lenka - PARRÁKOVÁ, Lucia - GEMEINER, Pavol - TKÁČ, Ján. Graphene oxide sensors of high sensitivity fabricated using cold atmospheric-pressure hydrogen plasma for use in the detection of small organic molecules. In *Journal of Applied Physics*, 2020, vol. 128, art. no. 243301 [12] p. (2019: 2.286 - IF, Q2 - JCR, 0.728 - SJR, Q2 - SJR, Current Contents

- CCC). (2020 - Current Contents). ISSN 0021-8979. Dostupné na:  
<https://doi.org/10.1063/5.0028168>

- ADCA99     HORVÁTHOVÁ, Eva\*\* - MASTIHUBOVÁ, Mária - KARNIŠOVÁ POTOCKÁ, Elena - KIS, Peter - GÁLOVÁ, Eliška - ŠEVČOVIČOVÁ, Andrea - KLAPÁKOVÁ, Martina - HUNÁKOVÁ, Ľuba - MASTIHUBA, Vladimír. Comparative study of relationship between structure of phenylethanoid glycopyranosides and their activities using cell-free assays and human cells culture in vitro. In *Toxicology in vitro : the official journal of the European Society for Toxicology in Vitro*, 2019, vol. 61, art.no. 104646. (2018: 3.067 - IF, Q2 - JCR, 0.895 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0887-2333. Dostupné na: <https://doi.org/10.1016/j.tiv.2019.104646>
- ADCA100    HOUSER, Josef - KOZMON, Stanislav - MISHRA, Deepti - HAMMEROVÁ, Zuzana - WIMMEROVÁ, Michaela - KOČA, Jaroslav\*\*. The CH– $\pi$  interaction in protein–carbohydrate binding: Bioinformatics and in vitro quantification. In *Chemistry - A European Journal*, 2020, vol. 26, p. 10769-10780. (2019: 4.857 - IF, Q1 - JCR, 1.681 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0947-6539. Dostupné na: <https://doi.org/10.1002/chem.202000593>
- ADCA101    HRICOVÍNĚ, Michal\*\* - MAZUR, Milan - SIRBU, Angela - PALMARCIUC, Oleg - ARION, Vladimír - BREZOVÁ, Vlasta. Copper(II) Thiosemicarbazone Complexes and Their Proligands upon UVA Irradiation: An EPR and Spectrophotometric Steady-State Study. In *Molecules*, 2018, vol. 23, art. no. 721, [17] p. (2017: 3.098 - IF, Q2 - JCR, 0.855 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1420-3049. Dostupné na: <https://doi.org/10.3390/molecules23040721>
- ADCA102    HRICOVÍNĚ, Michal - HRICOVÍNĚ, Miloš. Photochemically-induced anti-syn isomerization of quinazolinone derived Schiff's bases: EPR, NMR and DFT analysis. In *Tetrahedron*, 2017, vol. 73, p. 252-261. (2016: 2.651 - IF, Q2 - JCR, 0.910 - SJR, Q2 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0040-4020. Dostupné na: <https://doi.org/10.1016/j.tet.2016.12.011>
- ADCA103    HRICOVÍNĚ, Michal - ASHER, James Richard - HRICOVÍNĚ, Miloš\*\*. Photochemical anti-syn isomerization around the -N=N-bond in heterocyclic imines. In *RSC Advances*, 2020, vol. 10, no. 10, p. 5540-5550. (2019: 3.119 - IF, Q2 - JCR, 0.736 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 2046-2069. Dostupné na: <https://doi.org/10.1039/c9ra10730d>
- ADCA104    HRICOVÍNĚ, Michal - GEMBICKÝ, Milan - HRICOVÍNIOVÁ, Zuzana - MONCOL, Ján\*\*. The crystal structure and solution behaviour of decyl- and dodecyl  $\alpha$ -D-lyxopyranoside: X-ray, NMR, computational and Hirshfeld surface analysis. In *Journal of Molecular Structure*, 2020, vol. 1202, art. no. 127348 [8] p. (2019: 2.463 - IF, Q3 - JCR, 0.450 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0022-2860. Dostupné na: <https://doi.org/10.1016/j.molstruc.2019.127348>
- ADCA105    HRICOVÍNĚ, Michal - DVORANOVÁ, Dana - BARBIERIKOVÁ, Zuzana - JANTOVÁ, Soňa - BELLA, Maroš - ŠORAL, Michal - BREZOVÁ, Vlasta.

6-Nitroquinolones in dimethylsulfoxide: Spectroscopic characterization and photoactivation of molecular oxygen. In *Journal of Photochemistry and Photobiology. A: Chemistry*, 2017, vol. 332, p. 112-121. (2016: 2.625 - IF, Q2 - JCR, 0.749 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 1010-6030. Dostupné na: <https://doi.org/10.1016/j.jphotochem.2016.08.016>

ADCA106 HRICOVÍNĚ, Miloš\*\* - HRICOVÍNĚ, Michal. Solution conformation of heparin tetrasaccharide. DFT analysis of structure and spin-spin Coupling constants. In *Molecules*, 2018, vol. 23, art. no. 3042, 12s. (2017: 3.098 - IF, Q2 - JCR, 0.855 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1420-3049. Dostupné na: <https://doi.org/10.3390/molecules23113042>

ADCA107 HRICOVÍNĚOVÁ, Jana - HRICOVÍNĚOVÁ, Zuzana - KOZICS, Katarína\*\*. Antioxidant, cytotoxic, genotoxic, and DNA-protective potential of 2,3-substituted quinazolinones: structure-activity relationship study. In *International Journal of Molecular Sciences*, 2021, vol. 22, no. 2, art. no. 610 [18] p. (2020: 5.924 - IF, Q1 - JCR, 1.455 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 1422-0067. Dostupné na: <https://doi.org/10.3390/ijms22020610>

ADCA108 HRICOVÍNĚOVÁ, Jana - ŠEVČOVIČOVÁ, Andrea - HRICOVÍNĚOVÁ, Zuzana\*\*. Evaluation of the genotoxic, DNA-protective and antioxidant profile of synthetic alkyl gallates and gallotannins using in vitro assays. In *Toxicology in Vitro : the official journal of the European Society for Toxicology in Vitro*, 2020, vol. 65, art. no. 104789 [11] p. (2019: 2.959 - IF, Q2 - JCR, 0.799 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0887-2333. Dostupné na: <https://doi.org/10.1016/j.tiv.2020.104789>

ADCA109 HRICOVÍNĚOVÁ, Zuzana - HRICOVÍNĚ, Michal - BREZOVÁ, Vlasta - MAGDOLEN, Peter. New series of N-aryl- and N-heteroaryl-D-glucuronamides as potential anticancer agents: synthesis and spectroscopic analysis. In *Tetrahedron : Asymmetry*, 2016, vol. 27, p. 361-368. (2015: 2.108 - IF, Q2 - JCR, 0.769 - SJR, Q2 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0957-4166. Dostupné na: <https://doi.org/10.1016/j.tetasy.2016.02.015>

ADCA110 HRICOVÍNĚOVÁ, Zuzana. Surfactants of biological origin: The role of Mo(VI) and microwaves in the synthesis of xylan-based non-ionic surfactants. In *Carbohydrate Polymers*, 2016, vol. 144, p. 297-304. (2015: 4.219 - IF, Q1 - JCR, 1.440 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0144-8617. Dostupné na: <https://doi.org/10.1016/j.carbpol.2016.02.070>

ADCA111 HRONČEKOVÁ, Štefánia - BERTÓK, Tomáš - HÍREŠ, Michal - JÁNĚ, Eduard - LORENCOVÁ, Lenka - VIKARTOVSKÁ, Alica - TANVIR, Aisha - KASÁK, Peter - TKÁČ, Ján\*\*. Ultrasensitive Ti3C2TX MXene/chitosan nanocomposite-based amperometric biosensor for detection of potential prostate cancer marker in urine samples. In *Processes*, 2020, vol. 8, art. no. 580 [10] p. (2019: 2.753 - IF, Q2 - JCR, 0.403 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 2227-9717. Dostupné na: <https://doi.org/10.3390/PR8050580>

- ADCA112 HRONSKÁ, Helena - MASTIHUBA, Vladimír - TOKOŠOVÁ, Silvia - ROSENBERG, Michal. Semicontinual synthesis of alkyl galactosides using  $\beta$ -galactosidase entrapped in polyvinylalcohol hydrogel. In *Biocatalysis and Biotransformation*, 2016, vol. 34, p. 219-225. (2015: 0.892 - IF, Q4 - JCR, 0.296 - SJR, Q3 - SJR). ISSN 1024-2422. Dostupné na: <https://doi.org/10.1080/10242422.2016.1247827>
- ADCA113 HURAN, Jozef - MIKOLÁŠEK, M. - PERNÝ, M. - ŠÁLY, V. - KLEINOVÁ, Angela - SASINKOVÁ, Vlasta - KOBZEV, A.P. - ARBET, Juraj. HWCVD of B-doped silicon carbide thin films for SHJ solar cell technology. In *Integrated Ferroelectrics*, 2017, vol. 184, p. 23-31. (2016: 0.457 - IF, Q4 - JCR, 0.199 - SJR, Q3 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 1058-4587. Dostupné na: <https://doi.org/10.1080/10584587.2017.1368636>
- ADCA114 HURAN, Jozef\*\* - BALALYKIN, Nikolay - SASINKOVÁ, Vlasta - KLEINOVÁ, Angela - NOZDRIN, Mikhail A. - KOBZEV, Alexander P. - KOVÁČOVÁ, Eva. Very thin N-doped nanostructured carbon films on quartz and sapphire substrate: Photoelectron emission properties. In *Thin Solid Films*, 2020, vol. 709, art.no. 138200, [6] p. (2019: 2.030 - IF, Q3 - JCR, 0.513 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0040-6090. Dostupné na: <https://doi.org/10.1016/j.tsf.2020.138200>
- ADCA115 HUSHEGYI, András - DAMBORSKÁ, Dominika - BERTÓK, Tomáš - ADAM, Vojtech - KIZEK, René - TKÁČ, Ján. Ultrasensitive detection of influenza viruses with a glycan-based impedimetric biosensor. In *Biosensors and Bioelectronic*, 2016, vol. 79, p. 644-649. (2015: 7.476 - IF, Q1 - JCR, 2.044 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0956-5663. Dostupné na: <https://doi.org/10.1016/j.bios.2015.12.102>
- ADCA116 HUSZÁR, Stanislav - SINGH, Vinayak - POLČICOVÁ, Alica - BARÁTH, Peter - BARRIO, María Belén - LAGRANGE, Sophie - LEBLANC, Véronique - NACY, Carol A. - MIZRAHI, Valerie - MIKUŠOVÁ, Katarína. N-Acetylglucosamine-1-phosphate transferase, WecA, as a validated drug target in Mycobacterium tuberculosis. In *Antimicrobial Agents and Chemotherapy*, 2017, vol. 61, p. e01310-17. (2016: 4.302 - IF, Q1 - JCR, 2.275 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0066-4804. Dostupné na: <https://doi.org/10.1128/AAC.01310-17>
- ADCA117 CHOCHOLOVÁ, Erika - BERTÓK, Tomáš\*\* - LORENCOVÁ, Lenka - ŠEDIVÁ, Alena - FARKAŠ, Pavol - VIKARTOVSKÁ, Alica - BELLA, Vladimír - VELICOVÁ, Darina - KASÁK, Peter - ECKSTEIN ANDICSOVÁ, Anita - MOSNÁČEK, Jaroslav - HAŠKO, Daniel - TKÁČ, Ján\*\*. Advanced antifouling zwitterionic layer based impedimetric HER2 biosensing in human serum: Glycoprofiling as a novel approach for breast cancer diagnostics. In *Sensors and Actuators B*, 2018, vol. 272, p. 626-633. (2017: 5.667 - IF, Q1 - JCR, 1.406 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0925-4005. Dostupné na: <https://doi.org/10.1016/j.snb.2018.07.029>
- ADCA118 CHOCHOLOVÁ, Erika - BERTÓK, Tomáš\*\* - JÁNÉ, Eduard - LORENCOVÁ, Lenka - ŠEDIVÁ, Alena - BELICKÁ, Ľudmila, Kľuková -

BELICKÝ, Štefan - MISLOVIČOVÁ, Danica - VIKARTOVSKÁ, Alica - IMRICH, Richard - KASÁK, Peter - TKÁČ, Ján\*\*. Glycomics meets artificial intelligence - Potential of glycan analysis for identification of seropositive and seronegative rheumatoid arthritis patients revealed. In *Clinica Chimica Acta*, 2018, vol. 481, p. 49-55. (2017: 2.926 - IF, Q2 - JCR, 1.102 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0009-8981. Dostupné na: <https://doi.org/10.1016/j.cca.2018.02.031>

ADCA119 CHOCHOLOVÁ, Erika - FILIP, Jaroslav - BERTÓK, Tomáš - BOTH, Peter - KASÁK, Peter - TKÁČ, Ján. Nanotechnology in glycomics: Applications in diagnostics, therapy, imaging, and separation precesses. In *Medicinal Research Reviews*, 2017, vol. 37, p. 514-626. (2016: 8.763 - IF, Q1 - JCR, 2.701 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0198-6325. Dostupné na: <https://doi.org/10.1002/med.21420>

ADCA120 CHOI, Ji Won - SYNYTSYA, Andriy - CAPEK, Peter - BLEHA, Roman - POHL, Radek - PARK, Yong Il. Structural analysis and anti-obesity effect of a pectic polysaccharide isolated from Korean mulberry fruit Oddi (*Morus alba* L.). In *Carbohydrate Polymers*, 2016, vol. 146, p. 187-196. (2015: 4.219 - IF, Q1 - JCR, 1.440 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0144-8617.

ADCA121 CHYBA, Andrej - MASTIHUBA, Vladimír - MASTIHUBOVÁ, Mária. Effective enzymatic caffeoylation of natural glucopyranosides. In *Bioorganic & Medicinal Chemistry Letters*, 2016, vol. 26, p. 1567-1570. (2015: 2.486 - IF, Q2 - JCR, 0.923 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0960-894X. Dostupné na: <https://doi.org/10.1016/j.bmcl.2016.02.010>

ADCA122 CHYBA, Andrej - MASTIHUBOVÁ, Mária - MASTIHUBA, Vladimír. Regioselective galloylation of methyl  $\beta$ -D-glucopyranoside by a lipase. In *Monatshefte für Chemie*, 2016, vol. 147, p. 1137-1142. (2015: 1.131 - IF, Q3 - JCR, 0.330 - SJR, Q3 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0026-9247. Dostupné na: <https://doi.org/10.1007/s00706-016-1696-8>

ADCA123 JABLONICKÁ, Veronika - ZIEGLER, Jorg - VATEHOVÁ, Zuzana - LIŠKOVÁ, Desana - HEILMANN, Ingo - OBLOŽINSKÝ, Marek\*\* - HEILMANN, Mareike. Inhibition of phospholipases influences the metabolism of wound-induced benzylisoquinoline alkaloids in *Papaver somniferum* L. In *Journal of Plant Physiology*, 2018, vol. 223, p. 1-8. (2017: 2.833 - IF, Q1 - JCR, 1.178 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0176-1617. Dostupné na: <https://doi.org/10.1016/j.jplph.2018.01.007>

ADCA124 JAKUBČINOVÁ, Jana - KOZMON, Stanislav - ŠESTÁK, Sergej - BARÁTH, Marek\*\*. Novel 1-O-sulfono- $\alpha$ -D-fructofuranosyl sulfones as possible inhibitors of human GnT-I enzyme. In *ChemistrySelect*, 2020, vol. 5, p. 4967-4972. (2019: 1.811 - IF, Q3 - JCR, 0.445 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 2365-6549. Dostupné na: <https://doi.org/10.1002/slct.202001098>

ADCA125 JANOŠ, Pavel - TVAROŠKA, Igor - DELLAGO, Cristoph - KOČA, Jaroslav\*\*. Catalytic mechanism of processive GlfT2: Transition path sampling

investigation of substrate translocation. In *ACS Omega*, 2020, vol. 5, p. 21374-21384. (2019: 2.870 - IF, Q2 - JCR, 0.767 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 2470-1343. Dostupné na: <https://doi.org/10.1021/acsomega.0c01434>

ADCA126 JANOŠ, Pavel - TRNKA, Tomáš - KOZMON, Stanislav - TVAROŠKA, Igor - KOČA, Jaroslav. Different QM/MM approaches to elucidate enzymatic reactions: Case study on ppGalNAcT2. In *Journal of Chemical Theory and Computation*, 2016, vol. 12, no. 12, p. 6062-6076. (2015: 5.301 - IF, Q1 - JCR, 2.702 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1549-9618. Dostupné na: <https://doi.org/10.1021/acs.jctc.6b00531>

ADCA127 JANOŠ, Pavel - KOZMON, Stanislav - TVAROŠKA, Igor - KOČA, Jaroslav. Three-dimensional homology model of GlcNAc-TV glycosyltransferase. In *Glycobiology*, 2016, vol. 26, p. 757-771. (2015: 3.283 - IF, Q2 - JCR, 1.654 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0959-6658. Dostupné na: <https://doi.org/10.1093/glycob/cww010>

ADCA128 JANOŠ, Pavel - KOZMON, Stanislav - TVAROŠKA, Igor\*\* - KOČA, Jaroslav. How mycobacterium tuberculosis galactofuranosyltransferase 2 (GlfT2) generates alternating  $\beta$ -(1-6) and  $\beta$ -(1-5) linkages: QM/MM molecular dynamics study of the chemical steps. In *Chemistry-A European Journal*, 2018, vol. 24, p. 7051-7059. (2017: 5.160 - IF, Q1 - JCR, 2.265 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0947-6539. Dostupné na: <https://doi.org/10.1002/chem.201800558>

ADCA129 JANTOVÁ, Soňa - PAULOVÍČOVÁ, Ema - PAULOVÍČOVÁ, Lucia - TOPOLESKÁ, Dominika - PÁNIK, Miroslav - MILATA, Viktor. Assessment of immunomodulatory activities and in vitro toxicity of new quinolone 7-ethyl 9-ethyl-6-oxo-6,9-dihydro [1,2,5] selenadiazolo [3,4-h] quinoline-7-carboxylate. In *Immunological Investigations*, 2017, vol. 46, p. 341-360. (2016: 1.824 - IF, Q4 - JCR, 0.677 - SJR, Q2 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0882-0139. Dostupné na: <https://doi.org/10.1080/08820139.2017.1280050>

ADCA130 JANTOVÁ, Soňa - PAULOVÍČOVÁ, Ema\*\* - PAULOVÍČOVÁ, Lucia - JANOŠKOVÁ, Michaela - PÁNIK, Miroslav - MILATA, Viktor. Immunobiological efficacy and immunotoxicity of novel synthetically prepared fluoroquinolone ethyl 6-fluoro-8-nitro-4-oxo-1,4-dihydroquinoline-3-carboxylate. In *Immunobiology*, 2018, vol. 223, p. 81-93. (2017: 2.873 - IF, Q3 - JCR, 1.100 - SJR, Q2 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0171-2985. Dostupné na: <https://doi.org/10.1016/j.imbio.2017.10.008>

ADCA131 JÁRVÁS, Gábor\*\* - GUTTMAN, András - MIEKUS, Natalia - BĄCZEK, Tomáš - JEONG, Sunkyung - CHUNG, Doo Soo - PÄTOPRSTÝ, Vladimír - MASÁR, Marián - HUTTA, Milan - DATINSKÁ, Vladimíra - FORET, František. Practical sample pretreatment techniques coupled with capillary electrophoresis for real samples in complex matrices. In *Trends in Analytical Chemistry*, 2020, vol. 122, art. no. 115702 [9] p. (2019: 9.801 - IF, Q1 - JCR, 2.153 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0165-9936. Dostupné na: <https://doi.org/10.1016/j.trac.2019.115702>

- ADCA132    JESZEOVÁ, Lenka - BAUEROVÁ-HLINKOVÁ, Vladena\*\* - BARÁTH, Peter - PUŠKÁROVÁ, Andrea - BUČKOVÁ, Mária - KRAKOVÁ, Lucia - PANGALLO, Domenico\*\*. Biochemical and proteomic characterization of the extracellular enzymatic preparate of *Exiguobacterium undae*, suitable for efficient animal glue removal. In *Applied Microbiology and Biotechnology*, 2018, vol. 102, p. 6525-6536. (2017: 3.340 - IF, Q2 - JCR, 1.182 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0175-7598. Dostupné na: <https://doi.org/10.1007/s00253-018-9105-3>
- ADCA133    JOLLY, Pawan - DAMBORSKÝ, Pavel - MADABOOSI, Narayanan - SOARES, Ruben - CHU, Virginia - CUNDI, Joao P. - KATRLÍK, Jaroslav - ESTRELA, Pedro. DNA aptamer-based sandwich microfluidic assays for dual quantification and multi-glycan profiling of cancer biomarkers. In *Biosensors and Bioelectronic*, 2016, vol. 79, p. 313-319. (2015: 7.476 - IF, Q1 - JCR, 2.044 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0956-5663. Dostupné na: <https://doi.org/10.1016/j.bios.2015.12.058>
- ADCA134    JOLLY, Pawan - ZHURAUSKI, Pavel - HAMMOND, Jules L. - MIODEK, Anna - LIÉBANA, Susana - BERTÓK, Tomáš - TKÁČ, Ján - ESTRELA, Pedro. Self-assembled gold nanoparticles for impedimetric and amperometric detection of a prostate cancer biomarker. In *Sensors and Actuators B: Chemical*, 2017, vol. 251, p. 637-643. (2016: 5.401 - IF, Q1 - JCR, 1.343 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0925-4005. Dostupné na: <https://doi.org/10.1016/j.snb.2017.05.040>
- ADCA135    JURČÍK, Ján\* - SIVÁKOVÁ, Barbara\* - ČIPÁKOVÁ, Ingrid\* - SELICKÝ, Tomáš\* - STUPEŇOVÁ, Erika - JURČÍK, Matúš - OSADSKÁ, Michaela - BARÁTH, Peter - ČIPÁK, Ľuboš\*\*. Phosphoproteomics meets chemical genetics: approaches for global mapping and deciphering the phosphoproteome. In *International Journal of Molecular Sciences*, 2020, vol. 21, no. 20, art. no. 7637 [19] p. (2019: 4.556 - IF, Q1 - JCR, 1.317 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 1422-0067. Dostupné na: <https://doi.org/10.3390/ijms21207637>
- ADCA136    KALNÍK, Martin - ZAJÍČKOVÁ, Mária - KÓŇA, Juraj - ŠESTÁK, Sergej - MONCOL, Ján - KOŮŠ, Miroslav - BELLA, Maroš\*\*. Synthesis of hydroxymethyl analogues of mannosatin A and their evaluation as inhibitors GH38  $\alpha$ -mannosidases. In *New Journal of Chemistry*, 2021, vol.45, p. 13539-13548. (2020: 3.591 - IF, Q2 - JCR, 0.693 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 1144-0546. Dostupné na: <https://doi.org/10.1039/d1nj02351a>
- ADCA137    KALNÍK, Martin - GABKO, Peter - BELLA, Maroš - KOŮŠ, Miroslav\*\*. The Bucherer–Bergs multicomponent synthesis of hydantoins—excellence in simplicity. In *Molecules*, 2021, vol. 26, art. no. 4024 [33] p. (2020: 4.412 - IF, Q2 - JCR, 0.782 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents, WOS, SCOPUS). ISSN 1420-3049. Dostupné na: <https://doi.org/10.3390/molecules26134024>



- ADCA138 KARELIN, Alexander A. - TSVETKOV, Yury E. - PAULOVÍČOVÁ, Ema - PAULOVÍČOVÁ, Lucia - NIFANTIEV, Nikolay E. A blockwise approach to the synthesis of (1→2)-linked oligosaccharides corresponding to fragments of the acid-stable β-mannan from the *Candida albicans* cell wall. In *European Journal of Organic Chemistry*, 2016, vol. 2016, p. 1173-1181. (2015: 3.068 - IF, Q2 - JCR, 1.225 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1434-193X. Dostupné na: <https://doi.org/10.1002/ejoc.201501464>
- ADCA139 KARKESZOVÁ, Klaudia - MASTIHUBOVÁ, Mária - MASTIHUBA, Vladimír\*\*. Regioselective enzymatic synthesis of kojic acid monoesters. In *Catalysts*, 2021, vol. 11, art. no. 1430 [12] p. (2020: 4.146 - IF, Q2 - JCR, 0.800 - SJR, Q2 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 2073-4344. Dostupné na: <https://doi.org/10.3390/catal11121430>
- ADCA140 KARNÍŠOVÁ POTOCKÁ, Elena - MASTIHUBOVÁ, Mária - MASTIHUBA, Vladimír\*\*. Apiose-relevant glycosidases. In *Catalysts*, 2021, vol. 11, art. no. 1251 [18] p. (2020: 4.146 - IF, Q2 - JCR, 0.800 - SJR, Q2 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 2073-4344. Dostupné na: <https://doi.org/10.3390/catal11101251>
- ADCA141 KARNÍŠOVÁ POTOCKÁ, Elena - MASTIHUBOVÁ, Mária - ČIČOVÁ, Iveta - MASTIHUBA, Vladimír\*\*. New assay of alfa-L-rhamnosidase. In *Monatshefte für Chemie*, 2018, vol. 149, p. 167-174. (2017: 1.285 - IF, Q3 - JCR, 0.342 - SJR, Q2 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0026-9247. Dostupné na: <https://doi.org/10.1007/s00706-017-2055-0>
- ADCA142 KARNÍŠOVÁ POTOCKÁ, Elena - MASTIHUBOVÁ, Mária - MASTIHUBA, Vladimír\*\*. Transrutinosylation of tyrosol by flower buds of *Sophora japonica*. In *Food chemistry*, 2021, vol. 336, art. no. 127674 [5] p. (2020: 7.514 - IF, Q1 - JCR, 1.772 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0308-8146. Dostupné na: <https://doi.org/10.1016/j.foodchem.2020.127674>
- ADCA143 KASÁK, Peter\*\* - DANKO, Martin - ZAVAHIR, Sifani - MRLÍK, Miroslav - XIONG, Yuan - YOUSAF, Ammar Bin - LAI, Wing-Fu - KRUPA, Igor - TKÁČ, Ján - ROGACH, Andrey L.\*\*. Identification of molecular fluorophore as a component of carbon dots able to induce gelation in a fluorescent multivalent-metal-ion-free alginate hydrogel. In *Scientific Reports*, 2019, vol. 9, art.no. 15080, [11] p. (2018: 4.011 - IF, Q1 - JCR, 1.414 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 2045-2322. Dostupné na: <https://doi.org/10.1038/s41598-019-51512-2>
- ADCA144 KASÁK, Peter\*\* - HROBÁRIK, Peter - OSIČKA, Josef - SOLÁRIKOVÁ, Dominika - HORVÁTH, Branislav - TKÁČ, Ján - SADASIVUNI, Kishor K. - ALMAADEED, Mariam A. - MIKLÁŠ, Roman. Nicotinamide-based supergelator self-assembling via asymmetric hydrogen bonding NH⋯OC and H⋯Br<sup>−</sup> pattern for reusable, moldable and self-healable nontoxic fuel gels. In *Journal of Colloid and Interface Science*, 2021, vol. 603, p. 182-190. (2020: 8.128 - IF, Q1 - JCR, 1.538 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0021-9797. Dostupné na: <https://doi.org/10.1016/j.jcis.2021.06.071>

- ADCA145 KHARMA, Ammar - MIŠÁK, Anton - GRMAN, Marián - BREZOVÁ, Vlasta - KURAKOVÁ, Lucia - BARÁTH, Peter - JACOB, Claus - CHOVANEC, Miroslav - ONDRIAŠ, Karol - DOMÍNGUEZ-ÁLVAREZ, Enrique\*\*. Release of reactive selenium species from phthalic selenoanhydride in the presence of hydrogen sulfide and glutathione with implications for cancer research. In *New Journal of Chemistry*, 2019, vol. 43, no. 29, p. 11771-11783. (2018: 3.069 - IF, Q2 - JCR, 0.716 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1144-0546. Dostupné na: <https://doi.org/10.1039/c9nj02245g>
- ADCA146 KIS, Peter - MASTIHUBOVÁ, Mária\*\*. A sustainable approach to phenylethanoid glycopyranosides: Study of glycosylations promoted by zinc salts. In *Sustainable Chemistry and Pharmacy*, 2021, vol. 24, art. no. 100537 [9] p. (2020: 4.508 - IF, Q2 - JCR, 0.728 - SJR, Q2 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 2352-5541. Dostupné na: <https://doi.org/10.1016/j.scp.2021.100537>
- ADCA147 KIS, Peter - POTOCKÁ, Elena - MASTIHUBA, Vladimír - MASTIHUBOVÁ, Mária. Efficient chemoenzymatic synthesis of 4-nitrophenyl  $\beta$ -D-apiofuranoside and its use in screening of  $\beta$ -D-apiofuranosidases. In *Carbohydrate Research*, 2016, vol. 430, p. 48-53. (2015: 1.817 - IF, Q2 - JCR, 0.588 - SJR, Q2 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0008-6215. Dostupné na: <https://doi.org/10.1016/j.carres.2016.04.030>
- ADCA148 KIS, Peter - HORVÁTHOVÁ, Eva - GÁLOVÁ, Eliška - ANTALOVÁ, V. - KARNIŠOVÁ POTOCKÁ, Elena - MASTIHUBA, Vladimír - MASTIHUBOVÁ, Mária\*\*. Synthesis of Tyrosol and Hydroxytyrosol Glycofuranosides and Their Biochemical and Biological Activities in Cell-Free and Cellular Assays. In *Molecules*, 2021, vol. 26, no. 24, art. no. 7607. (2020: 4.412 - IF, Q2 - JCR, 0.782 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents, WOS, SCOPUS). ISSN 1420-3049. Dostupné na: <https://doi.org/10.3390/molecules26247607>
- ADCA149 KLONOWSKA, I. - JANÁK, Marian - MAJKA, Jarosław - PETRÍK, Igor - FROITZHEIM, Nikolaus - GEE, David G. - SASINKOVÁ, Vlasta. Microdiamond on Åreskutan confirms regional UHP metamorphism in the Seve Nappe Complex of the Scandinavian Caledonides. In *Journal of Metamorphic Geology*, 2017, vol. 35, no. 5, p. 541-564. (2016: 3.594 - IF, Q1 - JCR, 2.419 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0263-4929. Dostupné na: <https://doi.org/10.1111/jmg.12244>
- ADCA150 KLUNDA, Tomáš\*\* - HRICOVÍNI, Michal - ŠESTÁK, Sergej - KÓŇA, Juraj - POLÁKOVÁ, Monika\*\*. Selective Golgi  $\alpha$ -mannosidase II inhibitors: N-alkyl substituted pyrrolidines with a basic functional group. In *New Journal of Chemistry*, 2021, vol. 45, p. 10940-10951. (2020: 3.591 - IF, Q2 - JCR, 0.693 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 1144-0546. Dostupné na: <https://doi.org/10.1039/d1nj01176f>
- ADCA151 KLUNDA, Tomáš - ŠESTÁK, Sergej - KÓŇA, Juraj - POLÁKOVÁ, Monika\*\*. Synthesis of N-benzyl substituted 1,4-imino-L-lyxitol with a basic functional group as selective inhibitors of Golgi alfa-mannosidase IIb. In *Bioorganic*

*Chemistry*, 2019, vol. 83, p. 424-431. (2018: 3.926 - IF, Q1 - JCR, 0.696 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0045-2068.  
Dostupné na: <https://doi.org/10.1016/j.bioorg.2018.10.066>

ADCA152 KOHANOVÁ, Jana - MARTINKA, Michal - VACULÍK, Marek - WHITE, Filip J. - HAUSER, Marie-Theres - LUX, Alexander\*\*. Root hair abundance impacts cadmium accumulation in *Arabidopsis thaliana* shoots. In *Annals of Botany*, 2018, vol. 122, p. 903-914. (2017: 3.646 - IF, Q1 - JCR, 1.721 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0305-7364. Dostupné na: <https://doi.org/10.1093/aob/mcx220>

ADCA153 KOLLÁR, Jozef - POPELKA, Anton - TKÁČ, Ján - ŽABKA, Matej - MOSNÁČEK, Jaroslav - KASÁK, Peter\*\*. Sulfobetaine-based polydisulfides with tunable upper critical solution temperature (UCST) in water alcohols mixture, depolymerization kinetics and surface wettability. In *Journal of Colloid and Interface Science*, 2021, vol. 588, p. 196-208. (2020: 8.128 - IF, Q1 - JCR, 1.538 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0021-9797. Dostupné na: <https://doi.org/10.1016/j.jcis.2020.12.048>

ADCA154 KOLLÁROVÁ, Karin - VATEHOVÁ, Zuzana - KUČEROVÁ, Danica, Richterová - LIŠKOVÁ, Desana. Cadmium impact, accumulation and detection in poplar callus cells. In *Environmental Science and Pollution Research*, 2017, vol. 24, p. 15340-15346. (2016: 2.741 - IF, Q2 - JCR, 0.891 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0944-1344. Dostupné na: <https://doi.org/10.1007/s11356-017-9158-3>

ADCA155 KOLLÁROVÁ, Karin\*\* - KAMENICKÁ, Viktória - VATEHOVÁ, Zuzana - LIŠKOVÁ, Desana. Impact of galactoglucomannan oligosaccharides and Cd stress on maize root growth parameters, morphology, and structure. In *Journal of Plant Physiology*, 2018, vol. 222, p. 59-66. (2017: 2.833 - IF, Q1 - JCR, 1.178 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0176-1617. Dostupné na: <https://doi.org/10.1016/j.jplph.2017.12.017>

ADCA156 KOLLÁROVÁ, Karin\*\* - KUSÁ, Zuzana - VATEHOVÁ, Zuzana - LIŠKOVÁ, Desana. The response of maize protoplasts to cadmium stress mitigated by silicon. In *Ecotoxicology and Environmental Safety*, 2019, vol. 170, p. 488-494. (2018: 4.527 - IF, Q1 - JCR, 1.174 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0147-6513. Dostupné na: <https://doi.org/10.1016/j.ecoenv.2018.12.016>

ADCA157 KÓŇA, Juraj\*\*. How inverting  $\beta$ -1,4-galactosyltransferase-1 can quench a high charge of the by-product UDP3- in catalysis: a QM/MM study of enzymatic reaction with native and UDP-5' thio galactose substrates. In *Organic and Biomolecular Chemistry*, 2020, vol. 18, p. 7585-7596. (2019: 3.412 - IF, Q1 - JCR, 0.969 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 1477-0520. Dostupné na: <https://doi.org/10.1039/d0ob01490g>

ADCA158 KOROLENKO, Tatyana - JOHNSTON, Thomas P. - LYKOV, Alexander P. - SHINTYAPINA, Alexandra B. - KHRAPOVA, Marina V. - GONCHAROVA, Natalya - KOROLENKO, Erik - BGATOVA, Nataliya P. - MACHOVÁ, Eva -

NEŠČÁKOVÁ, Zuzana - SAKHNO, Ludmila V. A comparative study of the hypolipidaemic effects of a new polysaccharide, mannan *Candida albicans* serotype A, and atorvastatin in mice with poloxamer 407-induced hyperlipidaemia. In *Journal of Pharmacy and Pharmacology*, 2016, vol. 68, no. 12, p. 1516-1526. (2015: 2.363 - IF, Q2 - JCR, 0.696 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0022-3573.

ADCA159 KOROLENKO, Tatyana A. - JOHNSTON, Thomas P. - MACHOVÁ, Eva\*\* - BGATOVA, Nataliya P. - LYKOV, Alexander P. - GONCHAROVA, Natalya V. - NEŠČÁKOVÁ, Zuzana - SHINTYAPINA, Alexandra B. - MAIBORODIN, Igor V. - KARMATSKIKH, O.L. Hypolipidemic effect of mannans from *C. albicans* serotypes A and B in acute hyperlipidemia in mice. In *International Journal of Biological Macromolecules*, 2018, vol. 107, p. 2385-2394. (2017: 3.909 - IF, Q1 - JCR, 0.917 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0141-8130. Dostupné na: <https://doi.org/10.1016/j.ijbiomac.2017.10.111>

ADCA160 KOŠŤÁLOVÁ, Zuzana\*\* - HROMÁDKOVÁ, Zdenka. Structural characterisation of polysaccharides from roasted hazelnut skins. In *Food Chemistry*, 2019, vol. 286, p. 179-184. (2018: 5.399 - IF, Q1 - JCR, 1.768 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0308-8146. Dostupné na: <https://doi.org/10.1016/j.foodchem.2019.01.203>

ADCA161 KRAJČOVIČ, Tomáš - BUČKO, Marek - VIKARTOVSKÁ, Alica - LACÍK, Igor - UHELSKÁ, Lucia - CHORVÁT, Dušan - NEDĚLA, Vilém - TIHLAŘÍKOVÁ, Eva - GERICKE, Martin - HEINZE, Thomas - GEMEINER, Peter. Polyelectrolyte complex beads by novel two-step process for improved performance of viable whole-cell Bayeyer-Villiger monooxygenase by immobilization. In *Catalyst*, 2017, vol. 7, no. 11, art. no. 353. (2016: 3.082 - IF, Q2 - JCR, 0.928 - SJR, Q2 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 2073-4344. *Grunwald Peter, ed. Immobilized Biocatalysts 2018*, p. 130-141. (2016: 3.082 - IF, Q2 - JCR, 0.928 - SJR, Q2 - SJR, Current Contents - CCC). ISSN 978-3-03897-318-8. Dostupné na: <https://doi.org/10.3390/catal7110353>

ADCA162 KRATOCHVÍLOVÁ, Irena - GOLAN, Martin - POMEISL, Karel - RICHTER, Jan - SEDLÁKOVÁ, Silvia - ŠEBERA, Jakub - MIČOVÁ, Júlia - FALK, Martin - FALKOVÁ, Iva - ŘEHA, David - ELLIOT, K. Wade - VARGA, Krisztina - FOLLET, Shelby E. - ŠIMEK, Daniel. Theoretical and experimental study of the antifreeze protein AFP752, trehalose and dimethyl sulfoxide cryoprotection mechanism: correlation with cryopreserved cell viability. In *RSC Advances*, 2017, vol. 7, no. 1, p. 352-360. (2016: 3.108 - IF, Q2 - JCR, 0.889 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 2046-2069. Dostupné na: <https://doi.org/10.1039/c6ra25095e>

ADCA163 KRIŽÁK, Jakub - BREIEROVÁ, Emília - SOTNÍKOVÁ, Ružena - FRIMMEL, Karel - KURA, Branislav - OKRUHLICOVÁ, Ľudmila\*\*. Carotenoids produced by yeast biomass protect mechanisms regulating endothelial barrier function from lipopolysaccharide-induced damage in the rat heart. In *Journal of Physiology and Pharmacology : formerly Acta Physiologica Polonica*, 2019, vol. 70, iss. 5, art. no. 07. (2018: 2.544 - IF, Q2 - JCR, 0.791 - SJR, Q2 - SJR, Current

Contents - CCC). (2019 - Current Contents). ISSN 0867-5910. Dostupné na:  
<https://doi.org/10.26402/jpp.2019.5.07>

- ADCA164 KRIŽÁKOVÁ, Martina, Zámorová - HOLAZOVÁ, Alena - MILJUŠ, Goran - ROBAJAC, Dragana - ŠUNDERIČ, Miloš - MALENKOVIČ, Vesna - DUKANOVIČ, Blagoje - GEMEINER, Peter - KATRLÍK, Jaroslav - NEDIČ, Olgica. Analysis of changes in the glycan composition of serum, cytosol and membrane glycoprotein biomarkers of colorectal cancer using a lectin-based protein microarray. In *Analytical Methods*, 2017, vol. 9, p. 2660-2666. (2016: 1.900 - IF, Q2 - JCR, 0.595 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 1759-9660. Dostupné na: <https://doi.org/10.1039/c7ay00159b>
- ADCA165 KRONEKOVÁ, Zuzana - MIKULEC, Marcel - PETRENČÍKOVÁ, Nadežda - PAULOVÍČOVÁ, Ema - PAULOVÍČOVÁ, Lucia - JANČINOVÁ, Viera - NOSÁĽ, Radomír - REDDY, Palem S. - SHIMOGA, Ganesh D. - CHORVÁT, Dušan Jr. - KRONEK, Juraj. Ex vivo and in vivo studies on the cytotoxicity and immunomodulative properties of poly(2-isopropenyl-2-oxazoline) as a new type of biomedical polymer. In *Macromolecular Bioscience*, 2016, vol. 16, p. 1200-1211. (2015: 3.680 - IF, Q1 - JCR, 1.198 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1616-5187. Dostupné na:  
<https://doi.org/10.1002/mabi.201600016>
- ADCA166 KRYLOV, Vadim B. - PAULOVÍČOVÁ, Lucia - PAULOVÍČOVÁ, Ema - TSVETKOV, Yury E. - NIFANTIEV, Nikolay E. Recent advances in the synthesis of fungal antigenic oligosaccharides. In *Pure and Applied Chemistry*, 2017, vol. 89, no. 7, p. 885-898. (2016: 2.626 - IF, Q2 - JCR, 1.032 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0033-4545. Dostupné na:  
<https://doi.org/10.1515/pac-2016-1011>
- ADCA167 KŠONŽEKOVÁ, Petra - BYSTRICKÝ, Peter - VLČKOVÁ, Silvia - PÄTOPRSTÝ, Vladimír - PULZOVÁ, Lucia - MUDROŇOVÁ, Dagmar - KUBAŠKOVÁ, Terézia - CSANK, Tomáš - TKÁČIKOVÁ, Ľudmila. Exopolysaccharides of *Lactobacillus reuteri*: their influence on adherence of *E. coli* to epithelial cells and inflammatory. In *Carbohydrate Polymers*, 2016, vol. 141, p. 10-19. (2015: 4.219 - IF, Q1 - JCR, 1.440 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0144-8617. Dostupné na:  
<https://doi.org/10.1016/j.carbpol.2015.12.037>
- ADCA168 KUČEROVÁ, Danica, Richterová - KOLLÁROVÁ, Karin - VATEHOVÁ, Zuzana - LIŠKOVÁ, Desana. Interaction of galactoglucomannan oligosaccharides with auxin involves changes in flavonoid accumulation. In *Plant Physiology and Biochemistry*, 2016, vol. 98, p. 155-161. (2015: 2.928 - IF, Q1 - JCR, 1.185 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0981-9428. Dostupné na: <https://doi.org/10.1016/j.plaphy.2015.11.023>
- ADCA169 KUČEROVÁ, Danica, Richterová - VIVODOVÁ, Zuzana - KOLLÁROVÁ, Karin\*\*. Silicon alleviates the negative effects of arsenic in poplar callus in relation to its nutrient concentrations. In *Plant Cell, Tissue and Organ Culture*, 2021, vol. 145, p. 275-289. (2020: 2.711 - IF, Q2 - JCR, 0.707 - SJR, Q1 - SJR, Current

Contents - CCC). (2021 - Current Contents). ISSN 0167-6857. Dostupné na:  
<https://doi.org/10.1007/s11240-020-02007-w>

ADCA170 KUČEROVÁ, Danica, Richterová - LABANCOVÁ, Eva - VATEHOVÁ, Zuzana - KOLLÁROVÁ, Karin\*\*. The modulation of ion homeostasis by silicon in cadmium treated poplar callus cells. In *Environmental Science and Pollution Research*, 2020, vol. 27, p. 2857-2867. (2019: 3.056 - IF, Q2 - JCR, 0.788 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0944-1344. Dostupné na: <https://doi.org/10.1007/s11356-019-07054-1>

ADCA171 KVĚTOŇ, Filip - BLŠÁKOVÁ, Anna - KASÁK, Peter\*\* - TKÁČ, Ján\*\*. Glycan nanobiosensors. In *Nanomaterials*, 2020, vol. 10, art. no. 1406 [29] p. (2019: 4.324 - IF, Q2 - JCR, 0.858 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 2079-4991. Dostupné na: <https://doi.org/10.3390/nano10071406>

ADCA172 KVĚTOŇ, Filip - BLŠÁKOVÁ, Anna - HUSHEGYI, András - DAMBORSKÝ, Pavel - BLIXT, Ola - JANSSON, Bo - TKÁČ, Ján. Optimization of the small glycan presentation for binding a tumor-associated antibody: Application to the construction of an ultrasensitive glycan biosensor. In *Langmuir*, 2017, vol. 33, p. 2709-2716. (2016: 3.833 - IF, Q1 - JCR, 1.559 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0743-7463. Dostupné na: <https://doi.org/10.1021/acs.langmuir.6b04021>

ADCA173 LABANCOVÁ, Eva - VATEHOVÁ, Zuzana - KUČEROVÁ, Danica, Richterová - LIŠKOVÁ, Desana - KOLLÁROVÁ, Karin\*\*. The cadmium tolerance development of poplar callus is influenced by silicon. In *Ecotoxicology*, 2020, vol. 29, p. 987-1002. (2019: 2.535 - IF, Q2 - JCR, 0.764 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0963-9292. Dostupné na: <https://doi.org/10.1007/s10646-020-02242-z>

ADCA174 LÁSZLOVÁ, Katarína\*\* - DUDÁŠOVÁ, Hana - OLEJNÍKOVÁ, Petra - HORVÁTHOVÁ, Gabriela - VELICKÁ, Zuzana - HORVÁTHOVÁ, Hana - DERCOVÁ, Katarína. The application of biosurfactants in bioremediation of the aged sediment contaminated with polychlorinated biphenyls. In *Water, Air and Soil Pollution*, 2018, vol. 229, iss. 7, art. no. 219, 18 p. (2017: 1.769 - IF, Q3 - JCR, 0.589 - SJR, Q2 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0049-6979. Dostupné na: <https://doi.org/10.1007/s11270-018-3872-4>

ADCA175 LEE, Jisun - LEE, Seul - SYNITSYA, Andriy - CAPEK, Peter - LEE, Chang Won - CHOI, Ji Won - CHO, Sarang - KIM, Woo Jung - PARK, Yong Il\*\*. Low molecular weight mannogalactofucans derived from *Undaria pinnatifida* induce apoptotic death of human prostate cancer cells In vitro and In vivo. In *Marine Biotechnology : An International Journal Focusing on Marine Genomics, Molecular Biology and Biotechnology*, 2018, vol. 20, p. 813-828. (2017: 2.328 - IF, Q1 - JCR, 0.894 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1436-2228. Dostupné na: <https://doi.org/10.1007/s10126-018-9851-3>

ADCA176 LENHARTOVÁ, Simona - NEMČOVIČ, Marek - ŠEBOVÁ, Radka - BENKO, Mário - ZAJONC, Dirk M. - NEMČOVIČOVÁ, Ivana\*\*. Molecular

characterization of the native (non-linked) CD160–HVEM protein complex revealed by initial crystallographic analysis. In *Crystals*, 2021, vol. 11, no. 7, art. no. 820 [14] p. (2020: 2.589 - IF, Q2 - JCR, 0.538 - SJR, Q2 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 2073-4352. Dostupné na: <https://doi.org/10.3390/cryst11070820>

ADCA177 LÍŠKA, Denis - MARTINKA, Michal - KOCHANOVÁ, Jana - LUX, Alexander. Asymmetrical development of root endodermis and exodermis in reaction to abiotic stresses. In *Annals of Botany*, 2016, vol. 118, no. 4, p. 667-674. (2015: 3.982 - IF, Q1 - JCR, 1.904 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0305-7364. Dostupné na: <https://doi.org/10.1093/aob/mcw047>

ADCA178 LIŠKOVÁ, Desana - KOLLÁROVÁ, Karin - RICHTEROVÁ, Danica, Richterová - VATEHOVÁ, Zuzana - ZELKO, Ivan - LUX, Alexander - VAN STADEN, Johannes. Alternatives to improve long-term cultures of *Harpagophytum procumbens* in vitro. In *South African Journal of Botany*, 2016, vol. 104, p. 55-60. (2015: 1.244 - IF, Q3 - JCR, 0.498 - SJR, Q2 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0254-6299. Dostupné na: <https://doi.org/10.1016/j.sajb.2015.10.008>

ADCA179 LORENCOVÁ, Lenka - BERTÓK, Tomáš - CHOCHOLOVÁ, Erika - ŠEDIVÁ, Alena - PAPRČKOVÁ, Darina - VIKARTOVSKÁ, Alica - SASINKOVÁ, Vlasta - FILIP, Jaroslav - KASÁK, Peter - JERIGOVÁ, Monika - VELIČ, Dušan - MAHMOUD, Khaled A. - TKÁČ, Ján. Electrochemical performance of Ti3C2TX MXene in aqueous media: towards ultrasensitive H2O2 sensing. In *Electrochimica Acta*, 2017, vol. 235, p. 471-479. (2016: 4.798 - IF, Q1 - JCR, 1.355 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0013-4686. Dostupné na: <https://doi.org/10.1016/j.electacta.2017.03.073>

ADCA180 LORENCOVÁ, Lenka - GAJDOŠOVÁ, Veronika - HRONČEKOVÁ, Štefánia - BERTÓK, Tomáš - JERIGOVÁ, Monika - VELIČ, Dušan - SOBOLČIAK, Patrik - KRUPA, Igor - KASÁK, Peter\*\* - TKÁČ, Ján\*\*. Electrochemical investigation of interfacial properties of Ti3C2Tx MXene modified by aryldiazonium betaine derivatives. In *Frontiers in Chemistry*, 2020, vol. 8, art. no. 553 [10] p. (2019: 3.693 - IF, Q2 - JCR, 0.852 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 2296-2646. Dostupné na: <https://doi.org/10.3389/fchem.2020.00553>

ADCA181 LORENCOVÁ, Lenka - BERTÓK, Tomáš - BERTÓKOVÁ, Anikó - GAJDOŠOVÁ, Veronika - HRONČEKOVÁ, Štefánia - VIKARTOVSKÁ, Alica - KASÁK, Peter\*\* - TKÁČ, Ján\*\*. Exosomes as a source of cancer biomarkers: Advances in electrochemical biosensing of exosomes. In *ChemElectroChem*, 2020, vol. 7, p. 1956-1973. (2019: 4.154 - IF, Q2 - JCR, 1.149 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 2196-0216. Dostupné na: <https://doi.org/10.1002/celec.202000075>

ADCA182 LORENCOVÁ, Lenka - BERTÓK, Tomáš\*\* - FILIP, Jaroslav - JERIGOVÁ, Monika - VELIČ, Dušan - KASÁK, Peter - MAHMOUD, Khaled A. - TKÁČ, Ján\*\*. Highly stable Ti3C2Tx (MXene)/Pt nanoparticles-modified glassy carbon

electrode for H<sub>2</sub>O<sub>2</sub> and small molecules sensing applications. In *Sensors and Actuators B*, 2018, vol. 263, p. 360-368. (2017: 5.667 - IF, Q1 - JCR, 1.406 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0925-4005. Dostupné na: <https://doi.org/10.1016/j.snb.2018.02.124>

ADCA183 LORENCOVÁ, Lenka - GAJDOŠOVÁ, Veronika - HRONČEKOVÁ, Štefánia - BERTÓK, Tomáš - ŠEFČOVIČOVÁ, Jana - VIKARTOVSKÁ, Alica - PAPRÁKOVÁ, Lucia - GEMEINER, Pavol - KASÁK, Peter - TKÁČ, Ján\*\*. 2D MXenes as perspective immobilization platforms for design of electrochemical nanobiosensors. In *Electroanalysis*, 2019, vol. 31, p. 1833-1844. (2018: 2.691 - IF, Q2 - JCR, 0.621 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1040-0397. Dostupné na: <https://doi.org/10.1002/elan.201900288>

ADCA184 LUX, Alexander - LUKAČOVÁ, Zuzana - VACULÍK, Marek - ŠVUBOVÁ, Renáta - KOHANOVÁ, Jana - SOUKUP, Milan - MARTINKA, Michal - BOKOR, Boris\*\*. Silicification of root tissues. In *Plants*, 2020, vol. 9, no. 1, art. no. 111 [20] p. (2019: 2.762 - IF, Q1 - JCR, 0.877 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 2223-7747. Dostupné na: <https://doi.org/10.3390/plants9010111>

ADCA185 MAJEROVÁ, Petra - BARÁTH, Peter - POLČÍK MICHALICOVÁ, Alena - KATINA, Stanislav - NOVÁK, Michal - KOVÁČ, Andrej. Changes of cerebrospinal fluid peptides due to tauopathy. In *Journal of Alzheimer's Disease*, 2017, vol. 58, no. 2, p. 507-512. (2016: 3.731 - IF, Q2 - JCR, 1.584 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 1387-2877. Dostupné na: <https://doi.org/10.3233/JAD-170110>

ADCA186 MAJZÚNOVÁ, Miroslava - PAKANOVÁ, Zuzana - KVASNIČKA, Peter - BALIŠ, Peter - ČAČÁNYIOVÁ, Soňa - DOVINOVA, Ima. Age-dependent redox status in the brain stem of NO-deficient hypertensive rats. In *Journal of Biomedical Science*, 2017, vol. 24, art. no. 72, 14 p. (2016: 2.799 - IF, Q2 - JCR, 1.221 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 1021-7770. Dostupné na: <https://doi.org/10.1186/s12929-017-0366-4>

ADCA187 MASTIHUBA, Vladimír - MASTIHUBOVÁ, Mária - BELÁK, Miroslav - DUDÍKOVÁ, Jana - KARNIŠOVÁ POTOCKÁ, Elena - PETRUŠ, Ladislav. Preparation of  $\alpha$ -galactooligoglycosides by cell walls from *Cryptococcus laurentii* using a novel  $\alpha$ -galactosyl donor. In *Tetrahedron : Asymmetry*, 2017, vol. 28, p. 1089-1094. (2016: 2.126 - IF, Q2 - JCR, 0.754 - SJR, Q2 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0957-4166. Dostupné na: <https://doi.org/10.1016/j.tetasy.2017.07.007>

ADCA188 MASTIHUBA, Vladimír\*\* - KARNIŠOVÁ POTOCKÁ, Elena - UHLIARIKOVÁ, Iveta - KIS, Peter - KOZMON, Stanislav - MASTIHUBOVÁ, Mária. Reaction mechanism of beta-apiosidase from *Aspergillus aculeatus*. In *Food Chemistry*, 2019, vol. 274, p. 543-546. (2018: 5.399 - IF, Q1 - JCR, 1.768 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0308-8146. Dostupné na: <https://doi.org/10.1016/j.foodchem.2018.09.003>



- ADCA189 MASTIHUBOVÁ, Mária - POLÁKOVÁ, Monika. A selective and mild glycosylation method of natural phenolic alcohols. In *Beilstein Journal of Organic Chemistry*, 2016, vol. 12, p. 524-530. (2015: 2.697 - IF, Q2 - JCR, 1.045 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1860-5397. Dostupné na: <https://doi.org/10.3762/bjoc.12.51>
- ADCA190 VALÁRIKOVÁ, Jana - ČÍŽOVÁ, Alžbeta\*\* - RAČKOVÁ, Lucia - BYSTRICKÝ, Slavomír. Anti-staphylococcal activity of quaternized mannan from the yeast *Candida Albicans*. In *Carbohydrate Polymers*, 2020, vol. 240, art. no. 116228 [9] p. (2019: 7.182 - IF, Q1 - JCR, 1.514 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0144-8617. Dostupné na: <https://doi.org/10.1016/j.carbpol.2020.116288>
- ADCA191 VALÁRIKOVÁ, Jana\*\* - KORCOVÁ, Jana, Vráblová - ZIBUROVÁ, Jana - ROSINSKÝ, Jozef - ČÍŽOVÁ, Alžbeta - HÁNYŠOVÁ, Sandra - SOJKA, Martin - FARKAŠ, Pavol. Potential pathogenicity and antibiotic resistance of aquatic *Vibrio* isolates from freshwater in Slovakia. In *Folia Microbiologica*, 2020, vol. 65, p. 545-555. (2019: 1.730 - IF, Q4 - JCR, 0.514 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 0015-5632. Dostupné na: <https://doi.org/10.1007/s12223-019-00760-w>
- ADCA192 MIČOVÁ, Júlia\*\* - BURYI, Maksym - ŠIMEK, Daniel - DRAHOKOUPIL, Jan - NEYKOVA, Neda - CHANG, Yu-Ying - REMEŠ, Zdeněk - POP-GEORGIEVSKI, Ognen - SVOBODA, Jan - IM, Chan. Synthesis of zinc oxide nanostructures and comparison of their crystal quality. In *Applied Surface Science*, 2018, vol. 461, p. 190-195. (2017: 4.439 - IF, Q1 - JCR, 1.093 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0169-4332. Dostupné na: <https://doi.org/10.1016/j.apsusc.2018.05.176>
- ADCA193 MIKOLÁŠKOVÁ, Barbora - JURČÍK, Matúš - CIPAKOVA, I. - SELICKÝ, Tomáš - JURČÍK, Ján - BÁGEĽOVÁ POLÁKOVÁ, Silvia - STUPEŇOVÁ, Erika - DUDÁŠ, Andrej - SIVÁKOVÁ, Barbara - BELLOVÁ, Jana - BARÁTH, Peter - ARONICA, Lucia - GREGAN, Juraj - ČIPÁK, Ľuboš\*\*. Identification of Nrl1 Domains Responsible for Interactions with RNA-Processing Factors and Regulation of Nrl1 Function by Phosphorylation. In *International Journal of Molecular Sciences*, 2021, vol. 22, no. 13, art. no. 7011. (2020: 5.924 - IF, Q1 - JCR, 1.455 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 1422-0067. Dostupné na: <https://doi.org/10.3390/ijms22137011>
- ADCA194 MIRABELLA, Stefania - D'ADAMIO, Giampiero - MATASSINI, Camilla - GOTI, Andrea - DELGADO, Sandra - GIMENO, Ana - ROBINA, Inmaculada - MORENO-VARGAS, Antonio J. - ŠESTÁK, Sergej - JIMÉNEZ-BARBERO, Jesus - CARDONA, Francesca. Mechanistic insight into the binding of multivalent pyrrolidines to alpha-mannosidases. In *Chemistry -A European Journal*, 2017, vol. 23, p. 14585-14596. (2016: 5.317 - IF, Q1 - JCR, 2.352 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0947-6539. Dostupné na: <https://doi.org/10.1002/chem.201703011>
- ADCA195 MONRAD, Rune Nygaard\*\* - EKLOF, Jens - KROGH, Kristian B.R. - BIELY, Peter\*\*. Glucuronoyl esterases: diversity, properties and biotechnological

potential. A review. In *Critical Reviews in Biotechnology*, 2018, vol. 38, p. 1121-1136. (2017: 5.239 - IF, Q1 - JCR, 1.243 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0738-8551. Dostupné na: <https://doi.org/10.1080/07388551.2018.1468316>

ADCA196 MOSNÁČEK, Jaroslav - POPELKA, Anton - OSIČKA, Josef - FILIP, Jaroslav - ILČÍKOVÁ, Markéta - KOLLÁR, Jozef - YOUSAF, Ammar B. - BERTÓK, Tomáš - TKÁČ, Ján - KASÁK, Peter\*\*. Modulation of wettability, gradient and adhesion on self-assembled monolayer by counterion exchange and pH. In *Journal of Colloid and Interface Science*, 2018, vol. 512, p. 511-521. (2017: 5.091 - IF, Q1 - JCR, 1.221 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0021-9797. Dostupné na: <https://doi.org/10.1016/j.jcis.2017.10.086>

ADCA197 MOSNÁČKOVÁ, Katarína\*\* - MRLÍK, Miroslav - MIČUŠÍK, Matej - KLEINOVÁ, Angela - SASINKOVÁ, Vlasta - POPELKA, Anton - OPÁLKOVÁ ŠIŠKOVÁ, Alena - KASÁK, Peter\*\* - DWORAK, Claudia L. - MOSNÁČEK, Jaroslav\*\*. Light-responsive hybrids based on carbon nanotubes with covalently attached PHEMA-g-PCL brushes. In *Macromolecules*, 2021, vol. 54, p. 2412-2426. (2020: 5.985 - IF, Q1 - JCR, 1.994 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents, WOS, SCOPUS). ISSN 0024-9297. Dostupné na: <https://doi.org/10.1021/acs.macromol.0c02701>

ADCA198 MRÁZKOVÁ, Blanka - DZIJAČ, Rastislav - IMRICHOVÁ, Terezie - KYJAČOVÁ, Lenka - BARÁTH, Peter - DŽUBÁK, Petr - HOLUB, Dušan - HAJDUCH, Marian - NAHACKÁ, Zuzana - ANDERA, Ladislav - HOLÍČEK, Petr - VAŠICOVÁ, Pavla - SAPEGA, Olena - BARTEK, Jiří\*\* - HODNÝ, Zdeněk\*\*. Induction, regulation and roles of neural adhesion molecule L1CAM in cellular senescence. In *Aging*, 2018, vol. 10, p. 434-462. (2017: 5.179 - IF, Q1 - JCR, 2.230 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1945-4589. Dostupné na: <https://doi.org/10.18632/aging.101404>

ADCA199 NAHÁLKA, Jozef\*\* - HRABÁROVÁ, Eva. Prebiotic peptides based on the glycocodon theory analyzed with FRET. In *Life*, 2021, vol. 11, art. no. 380 [9] p. (2020: 3.817 - IF, Q2 - JCR, 0.973 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 2075-1729. Dostupné na: <https://doi.org/10.3390/life11050380>

ADCA200 NAHÁLKA, Jozef\*\*. The role of the protein-RNA recognition code in neurodegeneration. In *Cellular and Molecular Life Sciences*, 2019, vol. 76, p. 2043-2058. (2018: 7.014 - IF, Q1 - JCR, 3.006 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1420-682X. Dostupné na: <https://doi.org/10.1007/s00018-019-03096-3>

ADCA201 NEDĚLA, Vilém\*\* - TIHLAŘÍKOVÁ, Eva - MAXA, Jiří - IMRICHOVÁ, Kamila - BUČKO, Marek - GEMEINER, Peter. Simulation-based optimisation of thermodynamic conditions in the esem for dynamical in-situ study of spherical polyelectrolyte complex particles in their native state. In *Ultramicroscopy*, 2020, vol. 211, art. no. 112954 [15] p. (2019: 2.452 - IF, Q2 - JCR, 1.489 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0304-3991. Dostupné na: <https://doi.org/10.1016/j.ultramic.2020.112954>

- ADCA202 NONAKA, Miki - YASUKAWA, Chisato - AOKI, Shoko - ITAKURA, Masateru - WILLFÖR, Stefan - CAPEK, Peter - SHOSEYOV, Oded - TSUBOKURA, Masaharu - BABA, Kei'ichi - KAIDA, Rumi - TAJI, Teruaki - SAKATA, Yoichi - HAYASHI, Takahisa\*\*. Intake of radionuclides in the trees of Fukushima forests. 4. Binding of radioiodine to xyloglucan. In *Forests*, 2020, vol. 11, art. no. 957 [10] p. (2019: 2.221 - IF, Q1 - JCR, 0.652 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 1999-4907. Dostupné na: <https://doi.org/10.3390/f11090957>
- ADCA203 ONDREJÍČKOVÁ, Petra - ŠTURDÍKOVÁ, Mária - HUSHEGYI, András - ŠVAJDLENKA, Emil - MARKOŠOVÁ, Kristína - ČERTÍK, Milan. Endophytic *Streptomyces* sp. AC35, a producer of bioactive isoflavone aglycones and antimycins. In *Journal of Industrial Microbiology and Biotechnology : official journal of the Society for Industrial Microbiology*, 2016, vol. 43, p. 1334-1344. (2015: 2.745 - IF, Q2 - JCR, 0.966 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1367-5435. Dostupné na: <https://doi.org/10.1007/s10295-016-1800-4>
- ADCA204 ONDRUŠKOVÁ, Nina - HONZÍK, Tomáš - KOLÁŘOVÁ, Hana - PAKANOVÁ, Zuzana - MUCHA, Ján - ZEMAN, Jiří - HANSÍKOVÁ, Hana\*\*. Aberrant apolipoprotein C-III glycosylation in glycogen storage disease type III and IX. In *Metabolism, Clinical and Experimental*, 2018, vol. 82, p. 135-141. (2017: 5.963 - IF, Q1 - JCR, 2.285 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0026-0495. Dostupné na: <https://doi.org/10.1016/j.metabol.2018.01.004>
- ADCA205 ORAVEC, Michal\*\* - SASINKOVÁ, Vlasta - TOMANOVÁ, Katarína - GÁL, Lukáš - PARCIOVÁ, Silvia - HUCK, Christian W. In-situ surface-enhanced Raman scattering and FT-Raman spectroscopy of black prints. In *Vibrational Spectroscopy*, 2018, vol. 94, p. 16-21. (2017: 1.363 - IF, Q3 - JCR, 0.453 - SJR, Q3 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0924-2031. Dostupné na: <https://doi.org/10.1016/j.vibspec.2017.10.007>
- ADCA206 OSIČKA, Josef - ILČÍKOVÁ, Markéta - MRLÍK, Miroslav - AL.MAADEED, Miriam Ali S.A. - ŠLOUF, Miroslav - TKÁČ, Ján - KASÁK, Peter. Anisotropy in CNT composite fabricated by combining directional freezing and gamma irradiation of acrylic acid. In *Materials and Design*, 2016, vol. 97, p. 300-306. (2015: 3.997 - IF, Q1 - JCR, 1.844 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0261-3069. Dostupné na: <https://doi.org/10.1016/j.matdes.2016.02.101>
- ADCA207 OSIČKA, Jozef - ILČÍKOVÁ, Markéta - POPELKA, Anton - FILIP, Jaroslav - BERTÓK, Tomáš - TKÁČ, Ján - KASÁK, Peter. Simple, reversible and fast modulation in superwettability, gradient and adsorption by counterion exchange on self-assembled monolayer. In *Langmuir*, 2016, vol. 32, p. 5491-5499. (2015: 3.993 - IF, Q1 - JCR, 1.650 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0743-7463. Dostupné na: <https://doi.org/10.1021/acs.langmuir.6b01084>

- ADCA208    ÖZGÜNSEVEN, Ayşenur - BARUT, Burak - ŠORAL, Michal - SARI, Suat - AKAYDIN, Galip - ÖZEL, Arzu - ŞÖHRETOĞLU, Didem\*\*. Alpha-glucosidase and tyrosinase inhibitor of polyphenols isolated from *Potentilla speciosa* var. *speciosa*: In vitro and in silico perspectives. In *Industrial Crops and Products*, 2021, vol. 170, art. no. 113806 [7] p. (2020: 5.645 - IF, Q1 - JCR, 1.066 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0926-6690. Dostupné na: <https://doi.org/10.1016/j.indcrop.2021.113806>
- ADCA209    PADMANABHAN, Anjali Cheeramthodi - HAN, Dong Suk - ZAVAHIR, Sifani - TKÁČ, Ján - KASÁK, Peter\*\*. Tandem osmotic engine based on hydrogel particles with antipolyelectrolyte and polyelectrolyte effect fuelled by both salinity gradient modes. In *Gels : open access journal*, 2021, vol.7, art. no. 232 [18] p. (2020: 4.702 - IF, Q1 - JCR, 0.569 - SJR, Q2 - SJR, Current Contents - CCC). (2021 - Current Contents, WOS, SCOPUS). ISSN 2310-2861. Dostupné na: <https://doi.org/10.3390/gels7040232>
- ADCA210    PAULOVÍČOVÁ, Ema - KRONEKOVÁ, Zuzana - PAULOVÍČOVÁ, Lucia - MAJERČÍKOVÁ, Monika - KRONEK, Juraj\*\*. Cell-mediated immunoreactivity of poly(2-isopropenyl-2-oxazoline) as promising formulation for immunomodulation. In *Materials*, 2021, vol. 14, art. no. 1371, [18] p. (2020: 3.623 - IF, Q1 - JCR, 0.682 - SJR, Q2 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 1996-1944. Dostupné na: <https://doi.org/10.3390/ma14061371>
- ADCA211    PAULOVÍČOVÁ, Ema\*\* - PAULOVÍČOVÁ, Lucia - FARKAŠ, Pavol - KARELIN, Alexander A. - TSVETKOV, Yury E. - KRYLOV, Vadim B. - NIFANTIEV, Nikolay E.\*\*. Importance of Candida Antigenic Factors: Structure-Driven Immunomodulation Properties of Synthetically Prepared Mannooligosaccharides in RAW264.7 Macrophages. In *Frontiers in Cellular and Infection Microbiology*, 2019, vol. 9, article no. 378, p. 1-14. (2018: 3.518 - IF, Q2 - JCR, 1.541 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 2235-2988. Dostupné na: <https://doi.org/10.3389/fcimb.2019.00378>
- ADCA212    PAULOVÍČOVÁ, Ema\*\* - PAULOVÍČOVÁ, Lucia - POLÁKOVÁ, Monika - PÁNIK, Miroslav - JANTOVÁ, Soňa. In vitro evaluation of immunobiological activity of simple mannolipids. In *Toxicology in Vitro*, 2021, vol. 70, art. no. 105014 [13] p. (2020: 3.500 - IF, Q2 - JCR, 0.834 - SJR, Q2 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0887-2333. Dostupné na: <https://doi.org/10.1016/j.tiv.2020.105014>
- ADCA213    PAULOVÍČOVÁ, Ema - PAULOVÍČOVÁ, Lucia - PILIŠIOVÁ, Ružena - JANČINOVÁ, Viera - YASHUNSKY, Dmitry V. - KARELIN, Alexander A. - TSVETKOV, Yury E. - NIFANTIEV, Nikolay E. The evaluation of beta-(1-3)-nonaglucoside as an anti-Candida albicans immune response inducer. In *Cellular Microbiology*, 2016, vol. 18, no. 9, p. 1294-1307. (2015: 4.460 - IF, Q1 - JCR, 2.949 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1462-5814. Dostupné na: <https://doi.org/10.1111/cmi.12631>
- ADCA214    PAULOVÍČOVÁ, Lucia\*\* - PAULOVÍČOVÁ, Ema - FARKAŠ, Pavol - ČÍŽOVÁ, Alžbeta - BYSTRICKÝ, Peter - JANČINOVÁ, Viera - TURÁNEK, J. - PERICOLINI, Eva - GABRIELLI, Elena - VECCHIARELLI, Anna - HRUBIŠKO,

M. Bioimmunological activities of *Candida glabrata* cellular mannan. In *FEMS Yeast Research*, 2019, vol. 19, no. 2, art. no. foz009. (2018: 2.458 - IF, Q2 - JCR, 1.126 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1567-1356. Dostupné na: <https://doi.org/10.1093/femsyr/foz009>

ADCA215 PAWLACZYK-GRAJA, Izabela\*\* - BALICKI, Sebastian - ZIEWIECKI, Rafał - CAPEK, Peter - MATULOVÁ, Mária. New isolation process for bioactive food fiber from wild strawberry leaf. In *Biochemical Engineering Journal*, 2020, vol. 161, art. no. 107639 [10] p. (2019: 3.475 - IF, Q2 - JCR, 0.879 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 1369-703X. Dostupné na: <https://doi.org/10.1016/j.bej.2020.107639>

ADCA216 PAWLACZYK-GRAJA, Izabela - BALICKI, Sebastian - ZIEWIECKI, Rafal - MATULOVÁ, Mária - CAPEK, Peter - GANCZARZ, Roman. Polyphenolic-polysaccharide conjugates of *Sanguisorba officinalis* L. with anticoagulant activity mediated by a heparin cofactor II. In *International Journal of Biological Macromolecules*, 2016, vol. 93, p. 1019-1029. (2015: 3.138 - IF, Q1 - JCR, 0.808 - SJR, Q2 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0141-8130. Dostupné na: <https://doi.org/10.1016/j.ijbiomac.2016.09.082>

ADCA217 PAWLIKOWSKA, Ewelina\*\* - JAMES, Steve A. - BREIEROVÁ, Emília - ANTOLAK, Hubert - KREGIEL, Dorota. Biocontrol capability of local *Metschnikowia* sp. isolates. In *Antonie van Leeuwenhoek*, 2019, vol. 112, p. 1425-1445. (2018: 1.934 - IF, Q3 - JCR, 0.819 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0003-6072. Dostupné na: <https://doi.org/10.1007/s10482-019-01272-w>

ADCA218 PAŽITNÁ, Lucia - NEMČOVIČ, Marek - PAKANOVÁ, Zuzana - BARÁTH, Peter - ALIEV, Teimur - DOGIKH, Dmitry - ARGENTOVA, Victoria\*\* - KATRLÍK, Jaroslav\*\*. Influence of media composition on recombinant monoclonal IgA1 glycosylation analysed by lectin-based protein microarray and MALDI-MS. In *Journal of Biotechnology*, 2020, vol. 314-315, p. 34-40. (2019: 3.503 - IF, Q2 - JCR, 0.992 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0168-1656. Dostupné na: <https://doi.org/10.1016/j.jbiotec.2020.03.009>

ADCA219 PENEZIĆ, Ana\*\* - KRIŽÁKOVÁ, Martina, Zámorová - MILJUŠ, Goran - KATRLÍK, Jaroslav - NEDIĆ, Olgica. Diagnostic potential of transferrin glycoforms—a lectin-based protein microarray approach. In *Proteomics - Clinical Applications*, 2019, vol. 13, art. no. 1800185. (2018: 2.324 - IF, Q3 - JCR, 0.792 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1862-8346. Dostupné na: <https://doi.org/10.1002/prca.201800185>

ADCA220 PETRÍK, Igor\*\* - JANÁK, Marian - KLONOWSKA, I. - MAJKA, Jarosław - FROITZHEIM, Nikolaus - YOSHIDA, Kenji - SASINKOVÁ, Vlasta - KONEČNÝ, Patrik - VACULOVIČ, T. Monazite behaviour during metamorphic evolution of a diamond-bearing gneiss: a case study from the Seve Nappe Complex, Scandinavian Caledonides. In *Journal of Petrology*, 2019, vol. 60, no. 9, p. 1773-1796. (2018: 3.380 - IF, Q2 - JCR, 2.435 - SJR, Q1 - SJR, Current Contents - CCC). (2019 -

Current Contents). ISSN 0022-3530. Dostupné na:  
<https://doi.org/10.1093/petrology/egz051>

ADCA221 PETRÍK, Igor - JANÁK, Marian - FROITZHEIM, Nikolaus - GEORGIEV, N. - YOSHIDA, Kenji - SASINKOVÁ, Vlasta - KONEČNÝ, Patrik - MILOVSKÁ, Stanislava. Triassic to Early Jurassic (c. 200 Ma) UHP metamorphism in the Central Rhodopes: evidence from U-Pb-Th dating of monazite in diamond-bearing gneiss from Chepelare (Bulgaria). In *Journal of Metamorphic Geology*, 2016, vol. 34, no. 3, p. 265-291. (2015: 3.673 - IF, Q1 - JCR, 3.229 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0263-4929. Dostupné na:  
<https://doi.org/10.1111/jmg.12181>

ADCA222 PETRUŠOVÁ, Mária - SMRTIČOVÁ, Hana - PRIBULOVÁ, Božena - VLČKOVÁ, Silvia - UHLIARIKOVÁ, Iveta - DOSCA, Tibor - SOMSÁK, László - PETRUŠ, Ladislav. One pot InCl<sub>3</sub>-catalyzed synthesis of 1-glycosylmethyl-1H-imidazoles. In *Tetrahedron*, 2016, vol. 72, no. 17, p. 2116-2121. (2015: 2.645 - IF, Q2 - JCR, 0.941 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0040-4020. Dostupné na:  
<https://doi.org/10.1016/j.tet.2016.03.010>

ADCA223 PETRÝDESOVÁ, Jana - KUČERA, Jaromír - BACIGÁLOVÁ, Kamila - VADKERTIOVÁ, Renáta - LOPANDIC, Ksenija - VĎAČNÝ, P. - SLOVÁK, Marek. Disentangling identity of species of the genus *Taphrina* parasitizing herbaceous Rosaceae, with proposal of *Taphrina gei-monrani* sp. nov. In *International Journal of Systematic and Evolutionary Microbiology*, 2016, vol. 66, p. 2540-2549. (2015: 2.439 - IF, Q3 - JCR, 1.098 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1466-5026. Dostupné na:  
<https://doi.org/10.1099/ijsem.0.001095>

ADCA224 PIEŠŤANSKÝ, Juraj - BARÁTH, Peter - MAJEROVÁ, Petra - GALBA, Jaroslav - MIKUŠ, Peter - KOVÁČECH, Branislav - KOVÁČ, Andrej\*\*. A simple and rapid LC-MS/MS and CE-MS/MS analytical strategy for the determination of therapeutic peptides in modern immunotherapeutics and biopharmaceutics. In *Journal of Pharmaceutical and Biomedical Analysis*, 2020, vol. 189, art. no. 113449 [12] p. (2019: 3.209 - IF, Q2 - JCR, 0.795 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0731-7085. Dostupné na:  
<https://doi.org/10.1016/j.jpba.2020.113449>

ADCA225 GAJDOŠOVÁ, Veronika - LORENCOVÁ, Lenka - KASÁK, Peter\*\* - TKÁČ, Ján\*\*. Electrochemical nanobiosensors for detection of breast cancer biomarkers. In *Sensors*, 2020, vol. 20, art. no. 4022 [37] p. (2019: 3.275 - IF, Q1 - JCR, 0.653 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 1424-8220. Dostupné na: <https://doi.org/10.3390/s20144022>

ADCA226 PINKOVÁ GAJDOŠOVÁ, Veronika - LORENCOVÁ, Lenka - BLŠÁKOVÁ, Anna - KASÁK, Peter - BERTÓK, Tomáš - TKÁČ, Ján\*\*. Challenges for impedimetric affinity sensors targeting protein detection. In *Current Opinion in Electrochemistry*, 2021, vol. 28, art. no. 100717 [7] p. (2020: 7.271 - IF, Q1 - JCR, 1.980 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 2451-9103. Dostupné na: <https://doi.org/10.1016/j.coelec.2021.100717>

- ADCA227 GAJDOŠOVÁ, Veronika\* - LORENCOVÁ, Lenka\* - PROCHÁZKA, Michal - MÍČUŠÍK, Matej - OMASTOVÁ, Mária - PROCHÁZKOVÁ, Simona - KVĚTOŇ, Filip - JERIGOVÁ, Monika - VELIČ, Dušan - KASÁK, Peter - TKÁČ, Ján\*\*. Remarkable differences in the voltammetric response towards hydrogen peroxide, oxygen and Ru(NH<sub>3</sub>)<sub>6</sub><sup>3+</sup> of electrode interfaces modified with HF or LiF-HCl etched Ti<sub>3</sub>C<sub>2</sub>T<sub>x</sub> MXene. In *Microchimica Acta*, 2020, vol. 187, no. 1, art. no. 52, [8] p. (2019: 6.232 - IF, Q1 - JCR, 1.300 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0026-3672. Dostupné na: <https://doi.org/10.1007/s00604-019-4049-6>
- ADCA228 POLÁKOVÁ, Monika - HORÁK, Radim - ŠESTÁK, Sergej - HOLKOVÁ, Ivana. Synthesis of modified D-mannose core derivatives and their impact on GH38  $\alpha$ -mannosidases. In *Carbohydrate Research*, 2016, vol. 428, p. 62-71. (2015: 1.817 - IF, Q2 - JCR, 0.588 - SJR, Q2 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0008-6215. Dostupné na: <https://doi.org/10.1016/j.carres.2016.04.004>
- ADCA229 POLAKOVIČ, Milan - ŠVITEL, Juraj - BUČKO, Marek - FILIP, Jaroslav - NEDĚLA, Vilém - ANSORGE-SCHUMACHER, Marion B. - GEMEINER, Peter. Progress in biocatalysis with immobilized viable whole cells: systems development, reaction engineering and applications. In *Biotechnology Letters*, 2017, vol. 39, p. 667-683. (2016: 1.730 - IF, Q3 - JCR, 0.628 - SJR, Q2 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0141-5492. Dostupné na: <https://doi.org/10.1007/s10529-017-2300-y>
- ADCA230 PRIBULOVÁ, Božena - SMRTIČOVÁ, Hana - JAKUBČINOVÁ, Jana - BARÁTH, Marek - BLAHUŠIAKOVÁ, Alexandra - PETRUŠOVÁ, Mária - PETRUŠ, Ladislav\*\*. Nitroalkene ring closure route to carbon-linked scaffolds for mimicking  $\alpha$ -D-mannopyranosyl natural linkage. In *Monatshefte für Chemie*, 2020, vol. 151, p. 925-933. (2019: 1.349 - IF, Q3 - JCR, 0.312 - SJR, Q3 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0026-9247. Dostupné na: <https://doi.org/10.1007/s00706-020-02614-5>
- ADCA231 PUCHART, Vladimír - FRAŇOVÁ, Lucia - MORKEBERG KROGH, Kristian B.R. - HOFF, Tine - BIELY, Peter\*\*. Action of different types of endoxylanases on eucalyptus xylan in situ. In *Applied Microbiology and Biotechnology*, 2018, vol. 102, p. 1725-1736. (2017: 3.340 - IF, Q2 - JCR, 1.182 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0175-7598. Dostupné na: <https://doi.org/10.1007/s00253-017-8722-6>
- ADCA232 PUCHART, Vladimír - AGGER, Jane W. - BERRIN, Jean-Guy - VÁRNAI, Anikó - WESTERENG, Bjorge - BIELY, Peter. Comparison of fungal carbohydrate esterases of family CE16 on artificial and natural substrates. In *Journal of Biotechnology*, 2016, vol. 233, p.228-236. (2015: 2.667 - IF, Q2 - JCR, 1.068 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0168-1656. Dostupné na: <https://doi.org/10.1016/j.jbiotec.2016.07.003>
- ADCA233 PUCHART, Vladimír - MØRKEBERG KROGH, Kristian B.R. - BIELY, Peter. Glucuronoxylan 3-O-acetylated on uronic acid-substituted xylopyranosyl

residues and its hydrolysis by GH10, GH11 and GH30 endoxylanases. In *Carbohydrate Polymers*, 2019, vol. 205, p. 217-224. (2018: 6.044 - IF, Q1 - JCR, 1.377 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0144-8617. Dostupné na: <https://doi.org/10.1016/j.carbpol.2018.10.043>

ADCA234 PUCHART, Vladimír\*\* - GJERMENSEN, Morten - MASTIHUBOVÁ, Mária - MØRKEBERG KROGH, Kristian B.R. - BIELY, Peter. Positional specificity of *Flavobacterium johnsoniae* acetylxyloxyesterase and acetyl group migration on xylan main chain. In *Carbohydrate Polymers*, 2020, vol. 232, art. no. 115783 [8] p. (2019: 7.182 - IF, Q1 - JCR, 1.514 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0144-8617. Dostupné na: <https://doi.org/10.1016/j.carbpol.2019.115783>

ADCA235 PUCHART, Vladimír\*\* - ŠUCHOVÁ, Katarína - BIELY, Peter. Xylanases of glycoside hydrolase family 30 – An overview. In *Biotechnology Advances*, 2021, vol. 47, art. no. 107704 [16] p. (2020: 14.227 - IF, Q1 - JCR, 2.772 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0734-9750. Dostupné na: <https://doi.org/10.1016/j.biotechadv.2021.107704>

ADCA236 PUJOL, Carlos Alberto - DAMONTE, Elsa Beatriz - TURJAN, Jozef - YANBO, K.Z. - CAPEK, Peter. The antiviral potency of *Fagus sylvatica* 4OMe-glucuronoxylan sulfates. In *International Journal of Biological Macromolecules*, 2016, vol. 87, p. 195-200. (2015: 3.138 - IF, Q1 - JCR, 0.808 - SJR, Q2 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0141-8130. Dostupné na: <https://doi.org/10.1016/j.ijbiomac.2016.02.048>

ADCA237 RADOŠINSKÁ, Jana - MÉZEŠOVÁ, Lucia - OKRUHLICOVÁ, Ľudmila - FRIMMEL, Karel - BREIEROVÁ, Emília - BARTEKOVÁ, Monika - VRBJAR, Norbert. Effect of yeast biomass with high content of carotenoids on erythrocyte deformability, NO production and Na,K-ATPase activity in healthy and LPS treated rats. In *Clinical Hemorheology and Microcirculation*, 2016, vol. 64, no. 2, pp. 125–134. (2015: 1.815 - IF, Q3 - JCR, 0.723 - SJR, Q2 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1386-0291. Dostupné na: <https://doi.org/10.3233/CH-162051>

ADCA238 REVAJOVÁ, Viera\*\* - HERICH, Robert - LEVKUT, Martin - ŽITŇAN, Rudolf - ALBRECHT, Elke - RÖNTGEN, Monika - LEVKUTOVÁ, Mária - KARAFOVÁ, Viera - ŠEVČÍKOVÁ, Zuzana - PAULOVÍČOVÁ, Ema - LEVKUT, Mikuláš. Immunolocalization of Na<sup>+</sup>/K<sup>+</sup>-ATPase and proliferative activity of enterocytes after administration of glucan in chickens fed T-2 toxin. In *Acta Veterinaria (Brno)*, 2018, vol. 87, iss. 4, p. 371-377. (2017: 0.422 - IF, Q4 - JCR, 0.280 - SJR, Q3 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0001-7213. Dostupné na: <https://doi.org/10.2754/avb201887040371>

ADCA239 ROBAJAC, Dragana\*\* - MASNIKOSA, Romana - NEMČOVIČ, Marek - KRIŽÁKOVÁ, Martina, Zámorová - BELICKÁ, Ľudmila, Kľuková - BARÁTH, Peter - KATRLÍK, Jaroslav - NEDIĆ, Olgica. Glycoanalysis of the placental



membrane glycoproteins throughout placental development. In *Mechanisms of Ageing and Development*, 2019, vol. 183, art. no. 111151. (2018: 3.603 - IF, Q2 - JCR, 1.403 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0047-6374. Dostupné na: <https://doi.org/10.1016/j.mad.2019.111151>

ADCA240 ROBAJAC, Dragana - KRIŽÁKOVÁ, Martina, Zámorová - KATRLÍK, Jaroslav - MIKOVIČ, Željko - NEDIČ, Olgica. Screening for the best detergent for the isolation of placental membrane proteins. In *International Journal of Biological Macromolecules*, 2017, vol. 102, p. 431-437. (2016: 3.671 - IF, Q1 - JCR, 0.882 - SJR, Q2 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0141-8130. Dostupné na: <https://doi.org/10.1016/j.ijbiomac.2017.04.046>

ADCA241 ROBAJAC, Dragana - KRIŽÁKOVÁ, Martina, Zámorová - MASNIKOSA, Romana - MILJUŠ, Goran - ŠUNDERIĆ, Miloš - NEDIČ, Olgica - KATRLÍK, Jaroslav\*\*. Sensitive glycoprofiling of insulin-like growth factor receptors isolated from colon tissue of patients with colorectal carcinoma using lectin-based protein microarray. In *International Journal of Biological Macromolecules*, 2020, vol. 144, p. 932-937. (2019: 5.162 - IF, Q1 - JCR, 0.972 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 0141-8130. Dostupné na: <https://doi.org/10.1016/j.ijbiomac.2019.09.170>

ADCA242 RUTHERFORD, David\*\* - JÍRA, Jaroslav - KOLÁŘOVÁ, Kateřina - MATOLÍNOVÁ, Iva - MIČOVÁ, Júlia - REMEŠ, Zdeněk - REZEK, Bohuslav. Growth inhibition of Gram-positive and Gram-negative bacteria by zinc oxide hedgehog particles. In *International Journal of Nanomedicine*, 2021, vol. 16, p. 3541-3554. (2020: 6.400 - IF, Q1 - JCR, 1.245 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 1176-9114. Dostupné na: <https://doi.org/10.2147/IJN.S300428>

ADCA243 SAVIN, Corina L. - PEPTU, Cristian\*\* - KRONEKOVÁ, Zuzana - SEDLAČÍK, Milan - MRLÍK, Miroslav - SASINKOVÁ, Vlasta - PEPTU, Catalina - POPA, Marcel - MOSNÁČEK, Jaroslav\*\*. Polyglobalide-based porous networks containing poly(ethylene glycol) structures prepared by photoinitiated thiol-ene coupling. In *Biomacromolecules*, 2018, vol. 19, p. 3331-3342. (2017: 5.738 - IF, Q1 - JCR, 1.950 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1525-7797. Dostupné na: <https://doi.org/10.1021/acs.biomac.8b00634>

ADCA244 SAVKOVÁ, Karin - HUSZÁR, Stanislav - BARÁTH, Peter - PAKANOVÁ, Zuzana - KOZMON, Stanislav - VANCOVÁ, Marie - TESAŘOVÁ, Martina - BLÁŠKO, Jaroslav - KALIŇÁK, Michal - SINGH, Vinayak - KORDULÁKOVÁ, Jana - MIKUŠOVÁ, Katarína\*\*. An ABC transporter Wzm-Wzt catalyzes translocation of lipid-linked galactan across the plasma membrane in mycobacteria. In *Proceedings of the National Academy of Sciences of the United States of America*, 2021, vol. 118, art. no. e2023663118 [10] p. (2020: 11.205 - IF, Q1 - JCR, 5.011 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0027-8424. Dostupné na: <https://doi.org/10.1073/pnas.2023663118>

ADCA245 SHIRKOV, Leonid - SLÁDEK, Vladimír - MAKAREWICZ, Jan\*\*. Ab initio relativistic potential energy surfaces of benzene-Xe complex with application to intermolecular vibrations. In *Journal of Chemical Physics*, 2020, vol. 152, art. no.

114116 [12] p. (2019: 2.991 - IF, Q2 - JCR, 1.047 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0021-9606. Dostupné na: <https://doi.org/10.1063/1.5140728>

- ADCA246 SHIRKOV, Leonid - SLÁDEK, Vladimír. Benchmark CCSD-SAPT study of rare gas dimers with comparison to MP-SAPT and DFT-SAPT. In *Journal of Chemical Physics*, 2017, vol. 147, art. no. 174103. (2016: 2.965 - IF, Q2 - JCR, 1.486 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 0021-9606. Dostupné na: <https://doi.org/10.1063/1.4997569>
- ADCA247 SILIKOVÁ, Veronika\*\* - DULANSKÁ, Silvia - HORNÍK, Miroslav - JAKUBČINOVA, Jana - MÁTEL, Lubomír. Impregnated fly ash sorbent for cesium-137 removal from water samples. In *Journal of Radioanalytical and Nuclear Chemistry*, 2020, vol. 324, p. 1225-1236. (2019: 1.137 - IF, Q3 - JCR, 0.360 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0236-5731. Dostupné na: <https://doi.org/10.1007/s10967-020-07132-6>
- ADCA248 SIVÁKOVÁ, Barbara\* - JURČÍK, Ján\* - LUKÁČOVÁ, Veronika - SELICKÝ, Tomáš - ČIPÁKOVÁ, Ingrid\* - BARÁTH, Peter\* - ČIPÁK, Ľuboš\*. Label-free quantitative phosphoproteomics of the fission yeast *Schizosaccharomyces pombe* using strong anion exchange- and porous graphitic carbon-based fractionation strategies. In *International Journal of Molecular Sciences*, 2021, vol. 22, no. 4, art. no. 1747. (2020: 5.924 - IF, Q1 - JCR, 1.455 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 1422-0067. Dostupné na: <https://doi.org/10.3390/ijms22041747>
- ADCA249 SIVOVÁ, Veronika - NOSÁLOVÁ, Gabriela - JUREČEK, Ľudovít - TURJAN, Jozef - VLČKOVÁ, Silvia - BYSTRICKÝ, Peter - KANTÁROVÁ, Dana - CAPEK, Peter. *Fagus sylvatica* glucuronoxylan sulfate - chemical profile and pharmacological view. In *Starch-Starke*, 2016, vol. 68, p. 621-628. (2015: 1.523 - IF, Q2 - JCR, 0.528 - SJR, Q2 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0038-9056. Dostupné na: <https://doi.org/10.1002/star.201500122>
- ADCA250 SLÁDEK, Vladimír\*\*. A note on the interpretation of the efficiency centrality. In *Communications in Nonlinear Science and Numerical Simulation*, 2018, vol. 61, p. 225-229. (2017: 3.181 - IF, Q1 - JCR, 1.372 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1007-5704. Dostupné na: <https://doi.org/10.1016/j.cnsns.2018.02.012>
- ADCA251 SLÁDEK, Vladimír - TVAROŠKA, Igor. First-principles interaction analysis assessment of manganese cation in the catalytic activity of glycosyltransferases. In *Journal of Physical Chemistry B*, 2017, vol. 121, p. 6148-6162. (2016: 3.177 - IF, Q2 - JCR, 1.345 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 1520-6106. Dostupné na: <https://doi.org/10.1021/acs.jpcc.7b03714>
- ADCA252 SLÁDEK, Vladimír - KÓŇA, Juraj - TOKIWA, Hiroaki. In silico analysis of interaction pattern switching in ligand...receptor binding in Golgi alfa-mannosidase II induced by the protonated states of inhibitors. In *Physical Chemistry Chemical Physics*, 2017, vol. 19, p. 12527-12537. (2016: 4.123 - IF, Q1 - JCR, 1.685 - SJR,

Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 1463-9076.  
Dostupné na: <https://doi.org/10.1039/c7cp01200d>

ADCA253 SLÁDEK, Vladimír\*\* - HARADA, Ryuhei\*\* - SHIGETA, Yasuteru. Protein dynamics and the folding degree. In *Journal of Chemical Information and Modeling*, 2020, vol. 60, p. 1559-1567. (2019: 4.549 - IF, Q1 - JCR, 1.329 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 1549-9596. Dostupné na: <https://doi.org/10.1021/acs.jcim.9b00942>

ADCA254 SLÁDEK, Vladimír\*\* - TOKIWA, Hiroaki - SHIMANO, Hitoshi - SHIGETA, Yasuteru. Protein residue networks from energetic and geometric data: Are they identical? In *Journal of Chemical Theory and Computation*, 2018, vol. 14, p. 6623-6631. (2017: 5.399 - IF, Q1 - JCR, 2.497 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1549-9618. Dostupné na: <https://doi.org/10.1021/acs.jctc.8b00733>

ADCA255 SLUSNA, Lenka\*\* - HAIZER, Ludovit - JÁNEĚ, Eduard - BONDAREV, Dmitrij - SZOCS, Vojtech - DRZIK, Milan - NOSKOVICOVA, Eva - LORENC, Dusan - VELIC, Dusan. Linear and multi-photon fluorescence of thiophene based copolymer with electron-accepting side chains. In *Journal of Fluorescence*, 2018, vol. 28, no. 6, p. 1333-1340. (2017: 1.665 - IF, Q3 - JCR, 0.391 - SJR, Q2 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1053-0509. Dostupné na: <https://doi.org/10.1007/s10895-018-2295-3>

ADCA256 SMULEK, Wojciech - KACZOREK, Eva - HRICOVÍNIOVÁ, Zuzana. Alkyl xylosides: physico-chemical properties and influence on environmental bacteria cells. In *Journal of Surfactants and Detergents*, 2017, vol. 20, p. 1269-1279. (2016: 1.450 - IF, Q3 - JCR, 0.407 - SJR, Q2 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 1097-3958. Dostupné na: <https://doi.org/10.1007/s11743-017-2012-2>

ADCA257 SMULEK, Wojciech\*\* - BURLAGA, Natalia - HRICOVÍNĚ, Michal - MEDVEĎOVÁ, Alžbeta - KACZOREK, Ewa - HRICOVÍNIOVÁ, Zuzana. Evaluation of surface active and antimicrobial properties of alkyl D-xylosides and alkyl L-rhamnosides as green surfactants. In *Chemosphere*, 2021, vol. 271, art. no. 129818, [8] p. (2020: 7.086 - IF, Q1 - JCR, 1.632 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0045-6535. Dostupné na: <https://doi.org/10.1016/j.chemosphere.2021.129818>

ADCA258 SOBOLČIAK, Patrik - POPELKA, Anton - MIČUŠÍK, Matej - SLÁVIKOVÁ, Monika - KRUPA, Igor - MOSNÁČEK, Jaroslav - TKÁČ, Ján - LACÍK, Igor - KASÁK, Peter. Photoimmobilization of zwitterionic polymers on surfaces to reduce cell adhesion. In *Journal of Colloid and Interface Science*, 2017, vol. 500, p. 294-303. (2016: 4.233 - IF, Q1 - JCR, 1.156 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0021-9797. Dostupné na: <https://doi.org/10.1016/j.jcis.2017.04.020>

ADCA259 SOLANKE, Charles Oluremi - TRAPL, Dalibor - ŠUĆUR, Zoran - MAREŠKA, Václav - TVAROŠKA, Igor - SPIWOK, Vojtěch\*\*. Atomistic simulation of carbohydrate-protein complex formation: Hevein-32 domain. In

*Scientific Reports*, 2019, vol. 9, article no. 18918. (2018: 4.011 - IF, Q1 - JCR, 1.414 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 2045-2322. Dostupné na:  
<https://doi.org/10.1038/s41598-019-53815-w>

ADCA260 SOUKUP, Milan\*\* - RODRIGUEZ ZANCAJO, Victor M. - KNEIPP, Janina - ELBAUM, Rivka\*\*. Formation of root silica aggregates in sorghum is an active process of the endodermis. In *Journal of Experimental Botany*, 2020, vol. 71, p. 6807-6817. (2019: 5.908 - IF, Q1 - JCR, 2.647 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0022-0957. Dostupné na:  
<https://doi.org/10.1093/jxb/erz387>

ADCA261 SOUKUP, Milan - MARTINKA, Michal - BOSNIČ, Dragana - ČAPLOVIČOVÁ, Mária - ELBAUM, Rivka - LUX, Alexander. Formation of silica aggregates in sorghum root endodermis is predetermined by cell wall architecture and development. In *Annals of Botany*, 2017, vol. 120, p. 739-753. (2016: 4.041 - IF, Q1 - JCR, 1.942 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0305-7364. Dostupné na: <https://doi.org/10.1093/aob/mcx060>

ADCA262 STAŠIOV, Slavomír - KUBOVČÍK, Vladimír - ČILIAK, Marek\*\* - DIVIAKOVÁ, Andrea - LUKÁČIK, Ivan - PÄTOPRSTÝ, Vladimír - DOVCIAK, Martin. Heterogeneity in millipede communities (Diplopoda) within a forest–forest edge–meadow habitat complex. In *Acta Oecologica*, 2019, vol. 98, p. 6-13. (2018: 1.478 - IF, Q3 - JCR, 0.682 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1146-609X. Dostupné na:  
<https://doi.org/10.1016/j.actao.2019.05.002>

ADCA263 STRATILOVÁ, Barbora - ŠESTÁK, Sergej - MRAVEC, Jozef - GARAJOVÁ, Soňa - PAKANOVÁ, Zuzana - KOVÁČOVÁ, Kristína - KUČEROVÁ, Danica - Richterová - KOZMON, Stanislav - SCHWERDT, Julian G. - SHIRLEY, Neil - STRATILOVÁ, Eva - HRMOVÁ, Mária\*\*. Another building block in the cell wall: Barley xyloglucan xyloglucosyl transferases link covalently xyloglucan and anionic oligosaccharides derived from pectin. In *Plant Journal*, 2020, vol. 104, p. 752-754. (2019: 6.141 - IF, Q1 - JCR, 3.161 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0960-7412. Dostupné na:  
<https://doi.org/10.1111/tpj.14964>

ADCA264 STRATILOVÁ, Barbora - FIRÁKOVÁ, Zuzana - Zemková - KLAUDINY, Jaroslav - ŠESTÁK, Sergej - KOZMON, Stanislav - STROUHALOVÁ, Dana - GARAJOVÁ, Soňa - AIT-MOHAND, Fairouz - HORVÁTHOVÁ, Ágnes - FARKAŠ, Vladimír - STRATILOVÁ, Eva - HRMOVÁ, Mária\*\*. Engineering the acceptor substrate specificity in the xyloglucan endotransglycosylase TmXET6.3 from nasturtium seeds (*Tropaeolum majus* L.). In *Plant Molecular Biology*, 2019, vol. 100, no. 1-2, p. 181-197. (2018: 3.928 - IF, Q1 - JCR, 1.705 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0167-4412. Dostupné na:  
<https://doi.org/10.1007/s11103-019-00852-8>

ADCA265 STRATILOVÁ, Barbora - KLAUDINY, Jaroslav - ŘEHULKA, Pavel - STRATILOVÁ, Eva - MÉSZÁROSOVÁ, Csilla - GARAJOVÁ, Soňa - PAVLATOVSKÁ, Barbora - ŘEHULKOVÁ, Helena - KOZMON, Stanislav -

ŠESTÁK, Sergej - FIRÁKOVÁ, Zuzana, Zemková - VADKERTIOVÁ, Renáta\*\*.  
Characterization of a long-chain alfa-galactosidase from *Papiliotrema flavescens*.  
In *World Journal of Microbiology & Biotechnology*, 2018, vol. 34, article no. 19.  
(2017: 2.100 - IF, Q3 - JCR, 0.604 - SJR, Q2 - SJR, Current Contents - CCC). (2018  
- Current Contents). ISSN 0959-3993. Dostupné na:  
<https://doi.org/10.1007/s11274-017-2403-6>

ADCA266 STRATILOVÁ, Barbora - KOZMON, Stanislav - STRATILOVÁ, Eva -  
HRMOVÁ, Mária\*\*.  
Plant xyloglucan xyloglucosyl transferases and the cell wall  
structure: Subtle but significant. In *Molecules*, 2020, vol. 25, art. no. 5619 [25] p.  
(2019: 3.267 - IF, Q2 - JCR, 0.698 - SJR, Q1 - SJR, Current Contents - CCC). (2020  
- Current Contents). ISSN 1420-3049. Dostupné na:  
<https://doi.org/10.3390/molecules25235619>

ADCA267 STRATILOVÁ, Barbora - ŘEHULKA, Pavel - GARAJOVÁ, Soňa -  
ŘEHULKOVÁ, Helena - STRATILOVÁ, Eva - HRMOVÁ, Mária - KOZMON, Stanislav\*\*.  
Structural characterization of the Pet c 1.0201 PR-10 protein isolated  
from roots of *Petroselinum crispum* (Mill.) Fuss. In *Phytochemistry*, 2020, vol. 175,  
art. no. 112368 [9] p. (2019: 3.044 - IF, Q1 - JCR, 0.763 - SJR, Q1 - SJR, Current  
Contents - CCC). (2020 - Current Contents). ISSN 0031-9422. Dostupné na:  
<https://doi.org/10.1016/j.phytochem.2020.112368>

ADCA268 STREĎANSKÝ, Miroslav - REDIVO, Luca\*\* - MAGDOLEN, Peter -  
STREĎANSKÝ, Adam - NAVARINI, Luciano.  
Rapid sucrose monitoring in green  
coffee samples using multienzymatic biosensor. In *Food Chemistry*, 2018, vol. 254,  
p. 8-12. (2017: 4.946 - IF, Q1 - JCR, 1.793 - SJR, Q1 - SJR, Current Contents -  
CCC). (2018 - Current Contents). ISSN 0308-8146. Dostupné na:  
<https://doi.org/10.1016/j.foodchem.2018.01.171>

ADCA269 STRELTISOV, Victor A. - LUANG, Sukanya - PEISLEY, Alys - VARGHESE, Joseph N. - KETUDAT CAIRNS, James R. - FORT, Sebastien - HIJNEN, Marcel -  
TVAROŠKA, Igor - ARDÁ, Ana - JIMÉNEZ-BARBERO, Jesús -  
ALFONSO-PRIETO, Mercedes - ROVIRA, Carme - MENDOZA, Fernanda -  
TIESSLER-SALA, Laura - SÁNCHEZ-APARICIO, José-Emilio -  
RODRÍGUEZ-GUERRA, Jaime - LLUCH, José M. - MARÉCHAL, Jean-Didier -  
MASGRAU, Laura - HRMOVÁ, Mária\*\*.  
Discovery of processive catalysis by an  
exo-hydrolase with a pocket-shaped active site. In *Nature Communications*, 2019,  
vol. 10, article no. 2222. (2018: 11.878 - IF, Q1 - JCR, 5.992 - SJR, Q1 - SJR,  
Current Contents - CCC). (2019 - Current Contents). ISSN 2041-1723. Dostupné na:  
<https://doi.org/10.1038/s41467-019-09691-z>

ADCA270 SUSHYTSKYI, Leonid\*\* - LUKÁČ, Pavol - SYNYTSYA, Andriy - BLEHA, Roman - RAJSIGLOVÁ, Lenka - CAPEK, Peter - POHL, Radek - VANNUCCI, Luca - ČOPIKOVÁ, Jana - KAŠTÁNEK, Petr.  
Immunoactive polysaccharides  
produced by heterotrophic mutant of green microalga *Parachlorella kessleri* HY1  
(Chlorellaceae). In *Carbohydrate Polymers*, 2020, vol. 246, art. no. 116588 [11] p.  
(2019: 7.182 - IF, Q1 - JCR, 1.514 - SJR, Q1 - SJR, Current Contents - CCC). (2020  
- Current Contents). ISSN 0144-8617. Dostupné na:  
<https://doi.org/10.1016/j.carbpol.2020.116588>

- ADCA271    ŠAFÁŘ, Peter - MARCHALÍN, Štefan - CVEČKO, Matej - MONCOL, Ján - DUJNÍČ, Viera - ŠORAL, Michal - DAŇCH, Adam\*\*. Synthesis and sequential diastereoselective incorporation of hydroxyl groups into hexahydrofuro[3,2-f]indolizin-7(2H)-one to give mono-, di- and tetra-hydroxyfuroindolizidines. In *Organic and Biomolecular Chemistry*, 2020, vol. 18, p. 6384-6393. (2019: 3.412 - IF, Q1 - JCR, 0.969 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 1477-0520. Dostupné na: <https://doi.org/10.1039/d0ob00896f>
- ADCA272    ŠAMŠULOVÁ, Veronika - POLÁKOVÁ, Monika\*\* - HORÁK, Radim - ŠEDIVÁ, Mária - KVAPIL, Lubomír - HRADIL, Pavel. Synthetic approach to novel glycosyltriazole-3-hydroxyquinolone conjugate and their antimicrobial properties. In *Journal of Molecular Structure*, 2019, vol. 1177, p. 16-25. (2018: 2.120 - IF, Q3 - JCR, 0.434 - SJR, Q3 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0022-2860. Dostupné na: <https://doi.org/10.1016/j.molstruc.2018.09.030>
- ADCA273    ŠEDIVÁ, Mária - LAHO, Maroš - KOHÚTOVÁ, Lenka - MOJŽIŠOVÁ, Andrea - MAJTÁN, Juraj - KLAUDINY, Jaroslav\*\*. 10-HDA, a major fatty acid of royal jelly, exhibits pH dependent growth-inhibitory activity against different strains of *Paenibacillus* larvae. In *Molecules*, 2018, vol. 23, iss. 12, art. no. 3236, 14 p. (2017: 3.098 - IF, Q2 - JCR, 0.855 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1420-3049. Dostupné na: <https://doi.org/10.3390/molecules23123236>
- ADCA274    ŠESTÁK, Sergej - BELLA, Maroš - KLUNDA, Tomáš - GURSKÁ, Soňa - DŽUBÁK, Petr - WOLS, Florian - WILSON, Iain B.H. - SLÁDEK, Vladimír - HAJDÚCH, Marián - POLÁKOVÁ, Monika\*\* - KÓŇA, Juraj\*\*. N-benzyl substitution of polyhydroxypyrrolidines: The way to selective inhibitors of Golgi  $\alpha$ -mannosidase II. In *ChemMedChem*, 2018, vol. 13, p. 373-383. (2017: 3.009 - IF, Q2 - JCR, 1.137 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1860-7179. Dostupné na: <https://doi.org/10.1002/cmdc.201700607>
- ADCA275    ŠIMKOVIC, Ivan - KELNAR, Ivan - MENDICHI, Raniero - BERTÓK, Tomáš - FILIP, Jaroslav. Composite films prepared from agricultural by-products. In *Carbohydrate Polymers*, 2017, vol. 156, p. 77-85. (2016: 4.811 - IF, Q1 - JCR, 1.419 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0144-8617. Dostupné na: <https://doi.org/10.1016/j.carbpol.2016.09.014>
- ADCA276    ŠIMKOVIC, Ivan\*\* - GUCMANN, Filip - MENDICHI, Raniero - GIACOMETTI SCHIERONI, Alberto - PIOVANI, Daniele - DOBROČKA, Edmund - HRICOVÍNÍ, Miloš. Extraction and characterization of polysaccharide films prepared from *Furcellaria lumbricalis* and *Gigartina skottsbergii* seaweeds. In *Cellulose*, 2021, vol. 28, p. 9567-9588. (2020: 5.044 - IF, Q1 - JCR, 0.948 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0969-0239. Dostupné na: <https://doi.org/10.1007/s10570-021-04138-5>
- ADCA277    ŠÍPOŠOVÁ, Kristína - LABANCOVÁ, Eva - KUČEROVÁ, Danica, Richterová - KOLLÁROVÁ, Karin - VIVODOVÁ, Zuzana\*\*. Effects of Exogenous Application of Indole-3-Butyric Acid on Maize Plants Cultivated in the Presence or

Absence of Cadmium. In *Plants*, 2021, vol. 10, no. 11, art. no. 2503. (2020: 3.935 - IF, Q1 - JCR, 0.892 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 2223-7747. Dostupné na: <https://doi.org/10.3390/plants10112503>

ADCA278 ŠÍPOŠOVÁ, Kristína - KOLLÁROVÁ, Karin - LIŠKOVÁ, Desana - VATEHOVÁ, Zuzana\*\*. The effects of IBA on the composition of maize root cell walls. In *Journal of Plant Physiology*, 2019, vol. 239, p. 10-17. (2018: 2.825 - IF, Q1 - JCR, 1.096 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0176-1617. Dostupné na: <https://doi.org/10.1016/j.jplph.2019.04.004>

ADCA279 ŠIROKÝ, Michael - GONDA, Jozef - MARTINKOVÁ, Miroslava\*\* - JACKOVÁ, Dominika - VILKOVÁ, Mária - BINDZÁR, Vladimír - KUCHÁR, Juraj - ŠESTÁK, Sergej. Synthesis and mannosidase inhibitory profile of a small library of aminocyclitols from shikimic acid-derived scaffolds. In *Carbohydrate Research*, 2020, vol. 493, art. no. 108027 [9] p. (2019: 1.841 - IF, Q2 - JCR, 0.501 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0008-6215. Dostupné na: <https://doi.org/10.1016/j.carres.2020.108027>

ADCA280 ŠMAK, Pavel - CHANDRABOSE, Selvaraj - TVAROŠKA, Igor - KOČA, Jaroslav\*\*. Pan-selectin inhibitors as potential therapeutics for COVID-19 treatment: in silico screening study. In *Glycobiology*, 2021, vol. 31, p. 975-987. (2020: 4.313 - IF, Q2 - JCR, 1.757 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0959-6658. Dostupné na: <https://doi.org/10.1093/glycob/cwab021>

ADCA281 ŠMAK, Pavel - TVAROŠKA, Igor\*\* - KOČA, Jaroslav. The catalytic reaction mechanism of tyrosylprotein sulfotransferase-1. In *Physical Chemistry Chemical Physics*, 2021, vol. 23, p. 23850-23860. (2020: 3.676 - IF, Q1 - JCR, 1.053 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 1463-9076. Dostupné na: <https://doi.org/10.1039/d1cp03718h>

ADCA282 ŠORAL, Michal - MARKUS, Jozef - DOHÁŇŠOVÁ, Jana - ŠORALOVÁ, Stanislava - DVORANOVÁ, Dana - CHYBA, Andrej - MONCOL, Ján - BERKEŠ, Dušan - LIPTAJ, Tibor. An unexpected reaction pathway in the synthesis of the ABCE framework of strychnine-type alkaloids – A multidisciplinary study. In *Journal of Molecular Structure*, 2017, vol. 1128, p. 230-238. (2016: 1.753 - IF, Q3 - JCR, 0.410 - SJR, Q3 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0022-2860. Dostupné na: <https://doi.org/10.1016/j.molstruc.2016.08.014>

ADCA283 ŠUCHOVÁ, Katarína\*\* - PUCHART, Vladimír - BIELY, Peter. A novel bacterial GH30 xylobiohydrolase from *Hungateiclostridium clariflavum*. In *Applied Microbiology and Biotechnology*, 2021, vol. 105, p. 185-195. (2020: 4.813 - IF, Q1 - JCR, 1.074 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0175-7598. Dostupné na: <https://doi.org/10.1007/s00253-020-11023-x>

ADCA284 ŠUCHOVÁ, Katarína\*\* - PUCHART, Vladimír - SPODSBERGH, Nikolaj - MØRKEBERG KROGH, Kristian B.R. - BIELY, Peter. A novel GH30 xylobiohydrolase from *Acremonium alcalophilum* releasing xylobiose from the non-reducing end. In *Enzyme and Microbial Technology*, 2020, vol. 134, art. no.

109484 [11] p. (2019: 3.448 - IF, Q2 - JCR, 0.795 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0141-0229. Dostupné na: <https://doi.org/10.1016/j.enzmictec.2019.109484>

ADCA285 ŠUCHOVÁ, Katarína\*\* - PUCHART, Vladimír - SPODSBERG, Nikolaj - MØRKEBERG KROGH, Kristian B.R. - BIELY, Peter. Catalytic diversity of GH30 xylanases. In *Molecules*, 2021, vol. 26, art. no. 4528 [14] p. (2020: 4.412 - IF, Q2 - JCR, 0.782 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents, WOS, SCOPUS). ISSN 1420-3049. Dostupné na: <https://doi.org/10.3390/molecules26154528>

ADCA286 ŠUCHOVÁ, Katarína\*\* - KOZMON, Stanislav - PUCHART, Vladimír - MALOVÍKOVÁ, Anna - HOFF, Tine - MORKEBERG KROGH, Kristian B.R. - BIELY, Peter. Glucuronoxylan recognition by GH 30 xylanases: A study with enzyme and substrate variants. In *Archives of Biochemistry and Biophysics*, 2018, vol. 643, p. 42-49. (2017: 3.118 - IF, Q2 - JCR, 1.350 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0003-9861. Dostupné na: <https://doi.org/10.1016/j.abb.2018.02.014>

ADCA287 ŠUCHOVÁ, Katarína - SPODBERG, Nikolaj - MØRKEBERG KROGH, Kristian B.R. - BIELY, Peter - PUCHART, Vladimír\*\*. Non-specific GH30\_7 endo- $\beta$ -1,4-xylanase from *Talaromyces leycettanus*. In *Molecules*, 2021, vol. 26, art. no. 4614 [13] p. (2020: 4.412 - IF, Q2 - JCR, 0.782 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents, WOS, SCOPUS). ISSN 1420-3049. Dostupné na: <https://doi.org/10.3390/molecules26154614>

ADCA288 ŠUNDERIČ, Miloš - HOLAZOVÁ, Alena - ROBAJAC, Dragana - MILJUŠ, Goran - GEMEINER, Peter - NEDIČ, Olgica - KATRLÍK, Jaroslav. Lectin-based protein microarray analysis of differences in serum alpha-2-macroglobulin glycosylation between patients with colorectal cancer and noncancer persons. In *Biotechnology and Applied Biochemistry*, 2016, vol. 63, p. 457-464. (2015: 1.429 - IF, Q3 - JCR, 0.411 - SJR, Q2 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0885-4513. Dostupné na: <https://doi.org/10.1002/bab.1407>

ADCA289 ŠUTOVSKÁ, Martina - KOČMÁLOVÁ, Michaela - PAPPOVÁ, Lenka - FRAŇOVÁ, Soňa - CHYBA, Andrej - KOPECKÝ, Jiří - LUKAVSKÝ, Jaromír - CEPÁK, Vladislav - CAPEK, Peter. The chemical profile and pharmacodynamic properties of extracellular *Wollea saccata* biopolymer. In *International Journal of Biological Macromolecules*, 2017, vol. 103, p. 863-869. (2016: 3.671 - IF, Q1 - JCR, 0.882 - SJR, Q2 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0141-8130. Dostupné na: <https://doi.org/10.1016/j.ijbiomac.2017.05.014>

ADCA290 TOKIWA, Takaki - NAKANO, Shogo\*\* - YAMAMOTO, Yuta - ISHIKAWA, Takeshi - ITO, Sohei - SLÁDEK, Vladimír - FUKUZAWA, Kaori - MOCHIZUKI, Yuji - TOKIWA, Hiroaki\*\* - MISAIZU, Fuminori - SHIGETA, Yasuteru\*\*. Development of an analysis toolkit, analysisFMO, to visualize interaction energies generated by fragment molecular orbital calculations. In *Journal of Chemical Information and Modeling*, 2019, vol. 59, p. 25-30. (2018: 3.966 - IF, Q1 - JCR, 1.446 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1549-9596. Dostupné na: <https://doi.org/10.1021/acs.jcim.8b00649>



- ADCA291 TOKIWA, Takaki\*\* - SHOJI, Mitsuo\*\* - SLÁDEK, Vladimír - SHIBATA, Naoki - HIGUCHI, Yoshiki - KATAOKA, Kunishige - SAKURAI, Takeshi - SHIGETA, Yasuteru - MISAIZU, Fuminori. Structural changes of the trinuclear copper center in bilirubin oxidase upon reduction. In *Molecules*, 2019, vol. 24, no. 1, art. no. 76, 12s. (2018: 3.060 - IF, Q2 - JCR, 0.757 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1420-3049. Dostupné na: <https://doi.org/10.3390/molecules24010076>
- ADCA292 TRIPATHI, Durgesh Kumar\*\* - SINGH, Vijay Pratap\*\* - LUX, Alexander - VACULÍK, Marek\*\*. Silicon in plant biology: from past to present, and future challenges. In *Journal of Experimental Botany*, 2020, vol. 71, no. 21, p. 6699-6702. (2019: 5.908 - IF, Q1 - JCR, 2.647 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0022-0957. Dostupné na: <https://doi.org/10.1093/jxb/eraa448>
- ADCA293 TRNKA, Tomáš - TVAROŠKA, Igor - KOČA, Jaroslav\*\*. Automated training of reaxFF reactive force fields for energetics of enzymatic reactions. In *Journal of Chemical Theory and Computation*, 2018, vol. 14, p. 291-302. (2017: 5.399 - IF, Q1 - JCR, 2.497 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1549-9618. Dostupné na: <https://doi.org/10.1021/acs.jctc.7b00870>
- ADCA294 TSIRIGOTIS-MANIECKA, Marta - PAWLACZYK-GRAJA, Izabela\*\* - ZIEWIECKI, Rafal - BALICKI, Sebastian - MATULOVÁ, Mária - CAPEK, Peter - CZECHOWSKI, Franciszek - GANCARZ, Roman. The polyphenolic-polysaccharide complex of Agrimonia L. as an indirect thrombin inhibitor - isolation and chemical characterization. In *International Journal of Biological Macromolecules*, 2019, vol. 125, p. 124-132. (2018: 4.784 - IF, Q1 - JCR, 0.962 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0141-8130. Dostupné na: <https://doi.org/10.1016/j.ijbiomac.2018.12.017>
- ADCA295 TSVETKOV, Yury E. - PAULOVÍČOVÁ, Ema\*\* - PAULOVÍČOVÁ, Lucia - FARKAŠ, Pavol - NIFANTIEV, Nikolay E. Synthesis of biotin-tagged chitosan oligosaccharides and assessment of their immunomodulatory activity. In *Frontiers in Chemistry. Special issue: Carbohydrate-Based Molecules in Medicinal Chemistry*, 2020, vol. 8, art. no. 554732 [22] p. (2019: 3.693 - IF, Q2 - JCR, 0.852 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 2296-2646. Dostupné na: <https://doi.org/10.3389/fchem.2020.554732>
- ADCA296 TVAROŠKA, Igor\*\* - SELVARAJ, Chandrabose - KOČA, Jaroslav. Selectins—The two Dr. Jekyll and Mr. Hyde faces of adhesion molecules—A review. In *Molecules*, 2020, vol. 25, art. no. 2835 [61] p. (2019: 3.267 - IF, Q2 - JCR, 0.698 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 1420-3049. Dostupné na: <https://doi.org/10.3390/molecules25122835>
- ADCA297 UHĽIARIKOVÁ, Iveta\*\* - MATULOVÁ, Mária - CAPEK, Peter\*\*. Optimizing acid hydrolysis for monosaccharide compositional analysis of Nostoc cf. linckia acidic exopolysaccharide. In *Carbohydrate Research*, 2021, vol. 508, art. no. 108400 [9] p. (2020: 2.104 - IF, Q3 - JCR, 0.465 - SJR, Q3 - SJR, Current Contents

- CCC). (2021 - Current Contents). ISSN 0008-6215. Dostupné na:  
<https://doi.org/10.1016/j.carres.2021.108400>

ADCA298 UHLIARIKOVÁ, Iveta - ŠUTOVSKÁ, Martina\*\* - BARBORÍKOVÁ, Jana - MOLITORISOVÁ, Miroslava - KIM, Hee Jin - PARK, Yong Il - MATULOVÁ, Mária - LUKAVSKÝ, Lubomír - HROMÁDKOVÁ, Zdenka - CAPEK, Peter\*\*. Structural characteristics and biological effects of exopolysaccharide produced by cyanobacterium *Nostoc* sp. In *International Journal of Biological Macromolecules*, 2020, vol. 160, p. 364-371. (2019: 5.162 - IF, Q1 - JCR, 0.972 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 0141-8130. Dostupné na: <https://doi.org/10.1016/j.ijbiomac.2020.05.135>

ADCA299 UHLIARIKOVÁ, Iveta\*\* - MATULOVÁ, Mária - CAPEK, Peter\*\*. Structural features of the bioactive cyanobacterium *Nostoc* sp. exopolysaccharide. In *International Journal of Biological Macromolecules*, 2020, vol. 164, p. 2284-2292. (2019: 5.162 - IF, Q1 - JCR, 0.972 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 0141-8130. Dostupné na: <https://doi.org/10.1016/j.ijbiomac.2020.08.113>

ADCA300 VACULÍK, Marek\*\* - LUKAČOVÁ, Zuzana - BOKOR, Boris - MARTINKA, Michal - TRIPATHI, Durgesh Kumar - LUX, Alexander. Alleviation mechanisms of metal(loid) stress in plants by silicon: a review. In *Journal of Experimental Botany*, 2020, vol. 71, no. 21, p. 6744-6757. (2019: 5.908 - IF, Q1 - JCR, 2.647 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0022-0957. Dostupné na: <https://doi.org/10.1093/jxb/eraa288>

ADCA301 KOVÁČOVÁ, Kristína - FARKAŠ, Vladimír. Two variants of a high-throughput fluorescent microplate assay of polysaccharide endotransglycosylases. In *Applied Biochemistry and Biotechnology*, 2016, vol. 178, p. 1652-1665. (2015: 1.606 - IF, Q3 - JCR, 0.575 - SJR, Q2 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0273-2289. Dostupné na: <https://doi.org/10.1007/s12010-015-1973-8>

ADCA302 VADKERTIOVÁ, Renáta\*\* - DUDÁŠOVÁ, Hana - STRATILOVÁ, Eva - BALAŠČÁKOVÁ, Marta. Diversity of yeasts in the soil adjacent to fruit trees of the Rosaceae family. In *Yeast*, 2019, vol. 36, p. 617-631. (2018: 2.395 - IF, Q3 - JCR, 0.874 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0749-503X. Dostupné na: <https://doi.org/10.1002/yea.3430>

ADCA303 VADKERTIOVÁ, Renáta - MOLNÁROVÁ, Jana - LUX, Alexander - VACULÍK, Marek - LIŠKOVÁ, Desana. Yeasts associated with an abandoned mining area in Pernek and their tolerance to different chemical elements. In *Folia Microbiologica*, 2016, vol. 61, p.199-207. (2015: 1.335 - IF, Q4 - JCR, 0.472 - SJR, Q2 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0015-5632. Dostupné na: <https://doi.org/10.1007/s12223-015-0424-9>

ADCA304 VALACHOVÁ, Katarína - TOPOLESKÁ, Dominika - MENDICHI, Raniero - COLLINS, Maurice N. - SASINKOVÁ, Vlasta - ŠOLTÉS, Ladislav. Hydrogen peroxide generation by the Weissberger biogenic oxidative system during hyaluronan degradation. In *Carbohydrate Polymers*, 2016, vol. 148, p. 189-193.

(2015: 4.219 - IF, Q1 - JCR, 1.440 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0144-8617. Dostupné na:  
<https://doi.org/10.1016/j.carbpol.2016.04.063>

ADCA305 VALENZUELA, Susana - LOPEZ, Sergi - BIELY, Peter - SANZ-APARICIO, Julia - PASTOR, F.I.Javier. The GH8 reducing end xylose-releasing exo-oligoxylanase Rex8A from *Paenibacillus barcinonensis* BP-23 is active on branched xylooligosaccharides. = The Glycoside Hydrolase Family 8 Reducing-End Xylose-Releasing Exo-oligoxylanase Rex8A from *Paenibacillus barcinonensis* BP-23 Is Active on Branched Xylooligosaccharides. In *Applied and Environmental Microbiology*, 2016, vol. 82, iss. 17, p. 5116-5124. (2015: 3.823 - IF, Q1 - JCR, 1.877 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0099-2240. Dostupné na: <https://doi.org/10.1128/AEM.01329-16>

ADCA306 VALENZUELA, Susana V. - LOPEZ, Sergi - BIELY, Peter - SANZ-APARICIO, Julia - PASTOR, Francisco I.J. The glycoside hydrolase family 8 reducing-end xylose-releasing exo-oligoxylanase Rex8A from *Paenibacillus barcinonensis* BP-23 is active on branched xylooligosaccharides. In *Applied and Environmental Microbiology*, 2016, vol. 82, p. 5116-5124. (2015: 3.823 - IF, Q1 - JCR, 1.877 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0099-2240. Dostupné na: <https://doi.org/10.1128/AEM.01329-16>

ADCA307 VATEHOVÁ, Zuzana - MALOVÍKOVÁ, Anna - KOLLÁROVÁ, Karin - KUČEROVÁ, Danica, Richterová - LIŠKOVÁ, Desana. Impact of cadmium stress on two maize hybrids. In *Plant Physiology and Biochemistry*, 2016, vol. 108, p. 90-98. (2015: 2.928 - IF, Q1 - JCR, 1.185 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0981-9428. Dostupné na:  
<https://doi.org/10.1016/j.plaphy.2016.06.035>

ADCA308 VATEHOVÁ, Zuzana\*\* - KOLLÁROVÁ, Karin - MALOVÍKOVÁ, Anna - LIŠKOVÁ, Desana. Maize shoot cell walls under cadmium stress. In *Environmental Science and Pollution Research*, 2018, vol. 25, p. 22318-22322. (2017: 2.800 - IF, Q2 - JCR, 0.858 - SJR, Q2 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0944-1344. Dostupné na:  
<https://doi.org/10.1007/s11356-018-2602-1>

ADCA309 VRZOŇOVÁ, Romana - TÓTH, Renáta - SIVÁKOVÁ, Barbara - MÔŤOVSKÁ, Anna - GAPLOVSKÁ-KYSELÁ, Katarína - BARÁTH, Peter - TOMÁŠKA, Ľubomír - GÁCSE, Attila - GABALDÓN, Toni - NOSEK, Jozef - NEBOHÁČOVÁ, Martina\*\*. OCT1 - a yeast mitochondrial thiolase involved in the 3-oxoadipate pathway. In *FEMS Yeast Research*, 2021, vol. 21, art. no. foab034 [12] p. (2020: 2.796 - IF, Q3 - JCR, 0.991 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 1567-1356. Dostupné na:  
<https://doi.org/10.1093/femsyr/foab034>

ADCA310 XU, Peng\*\* - KORCOVÁ, Jana, Vráblová - BARÁTH, Peter - ČÍŽOVÁ, Alžbeta - VALÁRIKOVÁ, Jana - QADRI, Firdausi - KELLY, Megan - O'CONNOR, Robert D. - RYAN, Edward T. - BYSTRICKÝ, Slavomír - KOVÁČ, Pavol. Isolation, purification, characterization and direct conjugation of the lipid A-free lipopolysaccharide of *Vibrio cholerae* O139. In *Chemistry - A European*

*Journal*, 2019, vol. 25, p. 12946-12956. (2018: 5.160 - IF, Q1 - JCR, 1.842 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0947-6539. Dostupné na: <https://doi.org/10.1002/chem.201902263>

ADCA311 YAMAMOTO, Yuta - TAKEI, Kenta - ARULMOZHIRAJA, Sundaram - SLÁDEK, Vladimír - MATSUO, Naoya - HAN, Song-ieee - MATSUZAKA, Takashi - SEKIYA, Motohiro - TOKIWA, Takaki - SHOJI, Mitsuo - SHIGETA, Yasuteru - NAKAGAWA, Yoshimi - TOKIWA, Hiroaki - SHIMANO, Hitoshi\*\*. Molecular association model of PPAR $\alpha$  and its new specific and efficient ligand, pemaifibrate: Structural basis for SPPARM $\alpha$ . In *Biochemical and Biophysical Research Communications*, 2018, vol. 499, p. 239-245. (2017: 2.559 - IF, Q2 - JCR, 1.087 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0006-291X. Dostupné na: <https://doi.org/10.1016/j.bbrc.2018.03.135>

ADCA312 YAMASAKI, Sotaro\*\* - SHOJI, Mitsuo\*\* - KAYANUMA, Megumi - SLÁDEK, Vladimír - KEN INAOKA, Daniel - MATSUO, Yuichi - SHIBA, Tomoo - YOUNG, Luke - MOORE, Anthony L. - KITA, Kiyoshi - SHIGETA, Yasuteru. Weak O<sub>2</sub> binding and strong H<sub>2</sub>O<sub>2</sub> binding at the non-heme diiron center of trypanosome alternative oxidase. In *Biochimica et Biophysica Acta : Bioenergetics*, 2021, vol. 1862, no. 4, art. no. 148356 [9] p. (2020: 3.991 - IF, Q2 - JCR, 1.590 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0005-2728. Dostupné na: <https://doi.org/10.1016/j.bbabi.2020.148356>

ADCA313 YASHUNSKY, Dmitri V. - DOROKHOVA, Vera S. - KOMAROVA, Bozhena S. - PAULOVICHOVÁ, Ema - KRYLOV, Vadim B. - NIFANTIEV, Nikolay E.\*\*. Synthesis of biotinylated pentasaccharide structurally related to a fragment of glucomannan from *Candida utilis*. In *Russian Chemical Bulletin*, 2021, vol. 70, no. 11, p. 2208-2213. (2020: 1.222 - IF, Q4 - JCR, 0.268 - SJR, Q3 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 1066-5285. Dostupné na: <https://doi.org/10.1007/s11172-021-3334-9>

ADCA314 YORDANOV, Georgi - GEMEINER, Peter - KATRLÍK, Jaroslav. Study of interactions between blood plasma proteins and poly(butyl cyanoacrylate) drug nanocarriers by surface plasmon resonance. In *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 2016, vol. 510, p. 309-316. (2015: 2.760 - IF, Q2 - JCR, 0.795 - SJR, Q2 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0927-7757. Dostupné na: <https://doi.org/10.1016/j.colsurfa.2016.05.080>

ADCA315 ZAJIČKOVÁ, Mária, Spišáková - MONCOL, Ján - ŠESTÁK, Sergej - KÓŇA, Juraj - KOŮŠ, Miroslav - BELLA, Maroš\*\*. Synthesis of 4a-carba-D-lyxofuranose derivatives and their evaluation as inhibitors of GH38  $\alpha$ -mannosidases. In *European Journal of Organic Chemistry*, 2019, vol. 2019, p. 1114-1124. (2018: 3.029 - IF, Q2 - JCR, 0.987 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1434-193X. Dostupné na: <https://doi.org/10.1002/ejoc.201801586>

ADCA316 ZAVAHIR, Sifani - KRUPA, Igor - AL-MAADEED, Sumaya Ali - TKÁČ, Ján - KASÁK, Peter\*\*. Polyzwitterionic hydrogels in engines based on the antipolyelectrolyte effect and driven by the salinity gradient. In *Environmental Science and Technology*, 2019, vol. 53, p. 9260-9268. (2018: 7.149 - IF, Q1 - JCR,

2.514 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0013-936X. Dostupné na: <https://doi.org/10.1021/acs.est.8b06377>

ADCA317 ZAVAHIR, Sifani - SOBOLEČIAK, Patrik - KRUPA, Igor - HANG, Dong Suk - TKÁČ, Ján - KASÁK, Peter\*\*. Ti3C2Tx MXene-based light-responsive hydrogel composite for bendable bilayer photoactuator. In *Nanomaterials*, 2020, vol. 10, art. no. 1419 [15] p. (2019: 4.324 - IF, Q2 - JCR, 0.858 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 2079-4991. Dostupné na: <https://doi.org/10.3390/nano10071419>

ADCA318 ZDURIENČÍKOVÁ, Martina - CHOLUJOVÁ, Dana - DURAJ, Jozef - MASTIHUBOVÁ, Mária - MASTIHUBA, Vladimír - KARNIŠOVÁ POTOCKÁ, Elena - GÁLOVÁ, Eliška - ŠEVČOVIČOVÁ, Andrea - K LAPÁKOVÁ, Martina - HORVÁTHOVÁ, Eva\*\*. Salidroside, a chemopreventive glycoside, diminishes cytotoxic effect of cisplatin in vitro. In *Basic & Clinical Pharmacology & Toxicology*, 2018, vol. 122, no. 3, p. 346-354. (2017: 2.659 - IF, Q2 - JCR, 0.655 - SJR, Q2 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1742-7835. Dostupné na: <https://doi.org/10.1111/bcpt.12906>

ADCA319 ZELKO, Ivan - OUV RARD, Stéphanie - SIRGUEY, Catherine. Roots alterations in presence of phenanthrene may limit co-remediation implementation with *Noccaea caerulea*. In *Environmental Science and Pollution Research*, 2017, vol. 24, no. 24, p. 19653-19661. (2016: 2.741 - IF, Q2 - JCR, 0.891 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0944-1344. Dostupné na: <https://doi.org/10.1007/s11356-017-9592-2>

ADCA320 ZIBUROVÁ, Jana - NEMČOVIČ, Marek - ŠESTÁK, Sergej - BELLOVÁ, Jana - PAKANOVÁ, Zuzana - SIVÁKOVÁ, Barbara - ŠALINGOVÁ, Anna - ŠEBOVÁ, Claudia - OSTROŽLÍKOVÁ, Mária - LEKKA, Dimitra-Evanthia - BRUCKNEROVÁ, Jana - BRUCKNEROVÁ, Ingrid - SKOKŇOVÁ, Martina - MCCULLOUGH, Alexandra - HRČKOVÁ, Gabriela - HLAVATÁ, Anna - BZDÚCH, Vladimír - MUCHA, Ján - BARÁTH, Peter\*\*. A novel homozygous mutation in the human ALG12 gene results in an aberrant profile of oligomannose N-glycans in patient's serum. In *American Journal of Medical Genetics, Part A*, 2021, vol. 185A, p. 3494-3501. (2020: 2.802 - IF, Q3 - JCR, 1.064 - SJR, Q2 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 1552-4825. Dostupné na: <https://doi.org/10.1002/ajmg.a.62474>

#### **ADDA Scientific papers in domestic journals registered in Current Contents Connect with IF (impacted)**

ADDA01 BRIESTENSKÁ, Katarína - ŠAMŠULOVÁ, Veronika - POLÁKOVÁ, Monika - MISTRÍKOVÁ, Jela\*\*. Recombinant luciferase-expressing murine gammaherpesvirus 68 as a tool for rapid antiviral screening. In *Acta Virologica*, 2019, vol. 63, no. 4, p. 439-449. (2018: 0.554 - IF, Q4 - JCR, 0.283 - SJR, Q3 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0001-723X. Dostupné na: [https://doi.org/10.4149/av\\_2019\\_411](https://doi.org/10.4149/av_2019_411)

ADDA02 BUČKO, Marek - VIKARTOVSKÁ, Alica - SCHENKMAYEROVÁ, Andrea - TKÁČ, Ján - FILIP, Jaroslav - CHORVÁT, Dušan, Jr. - NEDĚLA, Vilém - ANSORGE-SCHUMACHER, B. Marion - GEMEINER, Peter. Progress in

emerging techniques for characterization of immobilized viable whole-cell biocatalysts. In *Chemical Papers*, 2017, vol. 71, no. 11, p. 2309-2324. (2016: 1.258 - IF, Q3 - JCR, 0.347 - SJR, Q2 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0366-6352. Dostupné na: <https://doi.org/10.1007/s11696-017-0243-3>

ADDA03     BYSTRICKÝ, Peter - DOBROTA, Dušan - RAČAY, Peter - BYSTRICKÝ, Slavomír. NMR characteristics of alpha-D-Man-(1→2)-D-Man and alpha-D-Man-(1→3)-D-Man mannobioses related to *Candida albicans* yeast mannan structures. In *Chemical Papers*, 2017, vol. 71, no. 12, p. 2485-2493. (2016: 1.258 - IF, Q3 - JCR, 0.347 - SJR, Q2 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0366-6352. Dostupné na: <https://doi.org/10.1007/s11696-017-0242-4>

ADDA04     DOBIAŠ, Juraj\*\* - ONDRUŠ, Marek - HLAVÁČ, Matúš - MURÁR, Miroslav - KÓŇA, Juraj - ADDOVÁ, Gabriela - BOHÁČ, Andrej. Medicinal chemistry: an effect of a desolvation penalty of an amide group in the development of kinase inhibitors. In *Chemical Papers*, 2019, vol. 73, p. 71-84. (2018: 1.246 - IF, Q3 - JCR, 0.274 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0366-6352. Dostupné na: <https://doi.org/10.1007/s11696-018-0576-6>

ADDA05     DUJNIČ, Viera\*\* - MATULOVÁ, Mária - CHYBA, Andrej - PÄTOPRSTÝ, Vladimír. Polysaccharides in *Siraitia grosvenori* flowers and herbal tea. In *Chemical Papers*, 2021, vol. 75, p. 1175-1185. (2020: 2.097 - IF, Q3 - JCR, 0.344 - SJR, Q2 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0366-6352. Dostupné na: <https://doi.org/10.1007/s11696-020-01347-3>

ADDA06     HALAJ, Michal - CHVÁLOVÁ, Beáta - CEPÁK, Vladislav - LUKAVSKÝ, Jaromír - CAPEK, Peter\*\*. Searching for microalgal species producing extracellular biopolymers. In *Chemical Papers*, 2018, vol. 72, p. 2673-2678. (2017: 0.963 - IF, Q4 - JCR, 0.306 - SJR, Q2 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0366-6352. Dostupné na: <https://doi.org/10.1007/s11696-018-0517-4>

ADDA07     HATALA, Michal\*\* - GEMEINER, Pavol - LORENCOVÁ, Lenka - MIKULA, Milan - HVOJNIK, Matej - PAVLIČKOVÁ, Michaela - HÁZ, Aleš - KOSNÁČ, Daniel - BERTÓK, Tomáš - TKÁČ, Ján. Screen printed conductive carbon layers for dye sensitized solar cells and electrochemical detection of dopamine. In *Chemical Papers*, 2021, vol. 75, p. 3817-3829. (2020: 2.097 - IF, Q3 - JCR, 0.344 - SJR, Q2 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0366-6352. Dostupné na: <https://doi.org/10.1007/s11696-021-01601-2>

ADDA08     HRICOVÍNIOVÁ, Zuzana\*\* - HRICOVÍN, Michal - KOZICS, Katarína. New series of quinazolinone derived Schiff's bases: synthesis, spectroscopic properties and evaluation of their antioxidant and cytotoxic activity. In *Chemical Papers*, 2018, vol. 72, no. 4, p. 1041-1053. (2017: 0.963 - IF, Q4 - JCR, 0.306 - SJR, Q2 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0366-6352. Dostupné na: <https://doi.org/10.1007/s11696-017-0345-y>

- ADDA09     KEMPOVÁ, Viera - LENHARTOVÁ, Simona - BENKO, Mário - NEMČOVIČ, Marek - KÚDELOVÁ, Marcela - NEMČOVIČOVÁ, Ivana\*\*. The power of human cytomegalovirus (HCMV) hijacked UL/b functions lost in vitro. In *Acta Virologica*, 2020, vol. 64, no. 2, p. 117-130. (2019: 0.793 - IF, Q4 - JCR, 0.358 - SJR, Q3 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0001-723X. Dostupné na: [https://doi.org/10.4149/av\\_2020\\_202](https://doi.org/10.4149/av_2020_202)
- ADDA10     KLUNDA, Tomáš - MACHOVÁ, Eva - ČÍŽOVÁ, Alžbeta - HORÁK, Radim - POLÁKOVÁ, Monika - BYSTRICKÝ, Slavomír. Alkyl glycosides are potential anti-Candida albicans growth agents. In *Chemical Papers*, 2016, vol. 70, no. 9, p. 1166-1170. (2015: 1.326 - IF, Q3 - JCR, 0.369 - SJR, Q2 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0366-6352. Dostupné na: <https://doi.org/10.1515/chempap-2016-0051>
- ADDA11     PAKANOVÁ, Zuzana\*\* - MATULOVÁ, Mária - UHĽARIKOVÁ, Iveta - BEHÚLOVÁ, Darina - ŠALINGOVÁ, Anna - HLAVATÁ, Anna - JURÍČKOVÁ, Katarína - NEMČOVIČ, Marek - PÄTOPRSTÝ, Vladimír - MUCHA, Ján. Case study: monitoring of Glc4 tetrasaccharide in the urine of Pompe patients, use of MALDI-TOF MS, and 1H NMR. In *Chemical Papers*, 2019, vol. 73, no. 3, p. 701-711. (2018: 1.246 - IF, Q3 - JCR, 0.274 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0366-6352. Dostupné na: <https://doi.org/10.1007/s11696-018-0623-3>
- ADDA12     PAKANOVÁ, Zuzana - MATULOVÁ, Mária - BEHÚLOVÁ, Darina - ŠALINGOVÁ, Anna - HLAVATÁ, Anna - PÄTOPRSTÝ, Vladimír - MUCHA, Ján. Molecular diagnosis of Pompe disease using MALDI TOF/TOF and 1H NMR. In *Chemical Papers*, 2016, vol. 70, p. 265-271. (2015: 1.326 - IF, Q3 - JCR, 0.369 - SJR, Q2 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0366-6352. Dostupné na: <https://doi.org/10.1515/chempap-2015-0218>
- ADDA13     PAVLÍKOVÁ, Lucia - ŠEREŠ, Mário - IMRICHOVÁ, Denisa - HANO, Milan - RUSNÁK, Andrej - KRIŽÁKOVÁ, Martina - Zámorová, KATRLÍK, Jaroslav - BREIER, Albert - SULOVÁ, Zdena. The expression of P-gp in leukemia cells is associated with cross-resistance to protein N-glycosylation inhibitor tunicamycin. In *General Physiology and Biophysics*, 2016, vol. 35, p. 497-510. (2015: 0.892 - IF, Q4 - JCR, 0.387 - SJR, Q3 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0231-5882. Dostupné na: [https://doi.org/10.4149/gpb\\_2016039](https://doi.org/10.4149/gpb_2016039)
- ADDA14     ŠIMKOVIC, Ivan\*\* - RAAB, Michal - MENDICHI, Raniero - MANOVÁ, Alena - GIACOMETTI SCHERONI, Alberto - HRICOVÍNI, Miloš. Heparin composition: calculation based on elemental analysis and NMR data. In *Chemical Papers*, 2020, vol. 74, p. 349-355. (2019: 1.680 - IF, Q3 - JCR, 0.331 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0366-6352. Dostupné na: <https://doi.org/10.1007/s11696-019-00957-w>
- ADDA15     ŠIMKOVIC, Ivan\*\* - KELNAR, Ivan - MENDICHI, Raniero - TRACZ, Adam - FILIP, Jaroslav - BERTÓK, Tomáš - KASÁK, Peter. Interfaces study of all-polysaccharide composite films. In *Chemical Papers*, 2018, vol. 72, p. 711-718. (2017: 0.963 - IF, Q4 - JCR, 0.306 - SJR, Q2 - SJR, Current Contents - CCC). (2018

- Current Contents). ISSN 0366-6352. Dostupné na:  
<https://doi.org/10.1007/s11696-017-0329-y>

ADDA16 ŠIMON, Erik\*\* - BILLIK, Peter - OROVČÍK, Ľubomír - NAGY, Štefan - SASINKOVÁ, Vlasta - PALOU, Martin T. - ŠKRÁTEK, Martin - NAGY - TREMBOŠOVÁ, Veronika, rod. Trembošová - PLESCH, G. Aluminium powder as a reactive template for preparation of carbon flakes from CCl<sub>4</sub>. In *Chemical Papers*, 2020, vol. 74, iss. 12, p. 4599-4607. (2019: 1.680 - IF, Q3 - JCR, 0.331 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0366-6352. Dostupné na: <https://doi.org/10.1007/s11696-020-01303-1>

ADDA17 UHLIARIKOVÁ, Iveta - CHVÁLOVÁ, Beáta - MATULOVÁ, Mária - CEPÁK, Vladislav - LUKAVSKÝ, Jaromír - CAPEK, Peter\*\*. Extracellular biopolymers produced by freshwater cyanobacteria: a screening study. In *Chemical Papers*, 2019, vol. 73, p. 771-776. (2018: 1.246 - IF, Q3 - JCR, 0.274 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0366-6352. Dostupné na: <https://doi.org/10.1007/s11696-018-0625-1>

ADDA18 ZICHOVÁ, Miroslava - STRATILOVÁ, Eva - OMELKOVÁ, Jiřina - VADKERTIOVÁ, Renáta - BABÁK, Libor - ROSENBERG, Michal. Production of ethanol from waste paper using immobilized yeasts. In *Chemical Papers*, 2017, vol. 71, p. 553-561. (2016: 1.258 - IF, Q3 - JCR, 0.347 - SJR, Q2 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0366-6352. Dostupné na: <https://doi.org/10.1007/s11696-016-0036-0>

**ADEB Scientific papers in other foreign journals not registered in Current Contents Connect without IF (non-impacted)**

ADEB01 HURAN, Jozef\*\* - BALALYKIN, Nikolay I. - NOZDRIN, Mikhail A. - SASINKOVÁ, Vlasta - KLEINOVÁ, Angela - KOBZEV, A.P. - KOVÁČOVÁ, Eva. Nitrogen-doped carbon-based very thin film on quartz or sapphire substrate as back-side illuminated transmission photocathode. In *Sensors & Transducers*, 2019, vol. 235, iss. 7, p. 9-14. ISSN 2306-8515.

**ADFB Scientific papers in other domestic journals not registered in Current Contents Connect without IF (non-impacted)**

ADFB01 CHMIELEWSKÁ, Eva - HAMADA, B.I.Hawash - GÓROVÁ, Renáta - MAJZLAN, Juraj - NAVENKA, Rajic - SASINKOVÁ, Vlasta - PUŠKELOVÁ, Ľubica. Valorizácia prírodných, resp. odpadových produktov pri odstraňovaní farmaceutík z vôd. In *Vodohospodársky spravodajca : dvojmesačník pre vodné hospodárstvo a životné prostredie*. - Výskumný ústav vodného hospodárstva, 2018, roč. 61, č. 5-6, s. 33-36. ISSN 0322-886X.

ADFB02 LIŠKOVÁ, Desana. Diverzita bunkových stien rastlín = Plant cell walls diversity. In *Bulletin Slovenskej botanickej spoločnosti*, 2016, roč. 38, č. 2, s. 285-289. ISSN 1337-7043.

ADFB03 LIŠKOVÁ, Desana. Fytoremediácie – zelené technológie pre čistejšie životné prostredie. In *Životné prostredie : revue pre teóriu a starostlivosť o životné prostredie*, 2016, roč. 50, č. 1, s. 59-63. ISSN 0044-4863.



ADFB04 NEMČOVIČ, Marek\*\* - PAKANOVÁ, Zuzana - ŠALINGOVÁ, Anna - ŠEBOVÁ, Claudia - OSTROŽLÍKOVÁ, Mária - MUCHA, Ján. Nové prístupy k diagnostike lyzozómových ochorení na báze stanovenia voľných oligosacharidov v moči. In *NewsLab : časopis laboratórnej medicíny*, 2020, roč. 11, č. 1, p. 24-26. ISSN 1338-9661.

**ADMA Scientific papers in foreign impacted journals registered in Web of Sciences or Scopus**

ADMA01 BARALIĆ, Marko - GLIGORIJEVIĆ, Nikola - BRKOVIĆ, Voin - KATRLÍK, Jaroslav - PAŽITNÁ, Lucia - ŠUNDERIĆ, Miloš - MILJUŠ, Goran - PENEZIĆ, Ana - DOBRIJEVIĆ, Zorana - LAUŠEVIĆ, Mirjana - NEDIĆ, Olgica - ROBAJAC, Dragana\*\*. Fibrinogen fucosylation as a prognostic marker of end-stage renal disease in patients on peritoneal dialysis. In *Biomolecules*, 2020, vol. 10, art. no. 1165 [12] p. (2019: 4.082 - IF, Q2 - JCR, 1.614 - SJR, Q1 - SJR). ISSN 2218-273X. Dostupné na: <https://doi.org/10.3390/biom10081165>

ADMA02 BELICKÝ, Štefan - KATRLÍK, Jaroslav - TKÁČ, Ján. Glycan and lectin biosensors. In *Essays in Biochemistry*, 2016, vol. 60, p. 37-47. (2015: 3.378 - IF, Q2 - JCR, 2.420 - SJR, Q1 - SJR). ISSN 0071-1365. Dostupné na: <https://doi.org/10.1042/EBC20150005>

ADMA03 BERTÓK, Tomáš - PINKOVÁ GAJDOŠOVÁ, Veronika - BERTÓKOVÁ, Anikó - ŠVECOVÁ, Natália - KASÁK, Peter - TKÁČ, Ján\*\*. Breast cancer glycan biomarkers: their link to tumour cell metabolism and their perspectives in clinical practice. In *Expert Review of Proteomics*, 2021, vol. 18, no. 10, p. 881-910. (2020: 3.940 - IF, Q2 - JCR, 1.099 - SJR, Q2 - SJR). ISSN 1478-9450. Dostupné na: <https://doi.org/10.1080/14789450.2021.1996231>

ADMA04 BERTÓK, Tomáš - JÁNE, Eduard - BERTÓKOVÁ, Anikó - LORENCOVÁ, Lenka - ZVARA, Peter - SMOLKOVÁ, Božena - KUČERA, Radek - KLOCKER, Helmut - TKÁČ, Ján\*\*. Validating fPSA glycoprofile as a prostate cancer biomarker to avoid unnecessary biopsies and re-biopsies. In *Cancers*, 2020, vol. 12, no. 10, art. no. 2988 [10] p. (2019: 6.126 - IF, Q1 - JCR, 1.938 - SJR, Q1 - SJR). ISSN 2072-6694. Dostupné na: <https://doi.org/10.3390/cancers12102988>

ADMA05 BOTKA, Dániel\*\* - MAGYAR, Imre - CSOMA, Vivien - TÓTH, Emőke - ŠUJAN, Michal - RUSZKICZAY-RÜDIGER, Zsófia - CHYBA, Andrej - BRAUCHER, Régis - SANT, Karin - ČORIČ, Stjepan - BARANYI, Viktória - BAKRAČ, Koraljka - KRIZMANIĆ, Krešimir - BARTHA, István Róbert - SZABÓ, Márton - SILYE, Lóránd. Integrated stratigraphy of the Gușterița clay pit: a key section for the early Pannonian (late Miocene) of the Transylvanian Basin (Romania). In *Australian Journal of Earth Sciences*, 2019, vol. 112, p. 221-247. (2018: 1.283 - IF, Q4 - JCR, 0.536 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0812-0099. Dostupné na: <https://doi.org/10.17738/ajes.2019.0013>

ADMA06 DAMBORSKÝ, Pavel - ŠVITEL, Juraj - KATRLÍK, Jaroslav\*\*. Optical biosensors. In *Essays in Biochemistry*, 2016, vol. 60, no. 1, p. 91-100. (2015: 3.378 - IF, Q2 - JCR, 2.420 - SJR, Q1 - SJR). ISSN 0071-1365. Dostupné na: <https://doi.org/10.1042/EBC20150010>

- ADMA07 GONCHAROVA, Natalya V. - KHRAPOVA, Marina V. - PUPYSHEV, Alexander B. - KOROLENKO, Erik T. - NEŠČÁKOVÁ, Zuzana - KOROLENKO, Tatyana A. Hypolipidemic effect of mannan in mice with acute lipemia induced by poloxamer 407. In *Bulletin of Experimental Biology and Medicine*, 2016, vol. 162, p. 18-22. (2015: 0.448 - IF, Q4 - JCR, 0.287 - SJR, Q3 - SJR). ISSN 0007-4888. Dostupné na: <https://doi.org/10.1007/s10517-016-3534-8>
- ADMA08 HAMMOND, Jules L. - FORMISANO, Nello - ESTRELA, Pedro - CARRARA, Sandro - TKÁČ, Ján. Electrochemical biosensors and nanobiosensors. In *Essays in Biochemistry*, 2016, vol. 60, p. 69-80. (2015: 3.378 - IF, Q2 - JCR, 2.420 - SJR, Q1 - SJR). ISSN 0071-1365. Dostupné na: <https://doi.org/10.1042/EBC20150008>
- ADMA09 HOLLÁ, Veronika - ANTOŠOVÁ, Monika - KARKESZOVÁ, Klaudia - MASTIHUBA, Vladimír - POLAKOVIČ, Milan\*\*. Screening of commercial enzymes for transfructosylation of tyrosol: Effect of process conditions and reaction network. In *Biotechnology Journal*, 2019, vol. 14, no. 8, article number 1800871. (2018: 3.543 - IF, Q1 - JCR, 1.170 - SJR, Q1 - SJR). ISSN 1860-6768 (print), 1860-7314 (online). Dostupné na: <https://doi.org/10.1002/biot.201800571>
- ADMA10 HOUSER, Josef - KOZMON, Stanislav - MISHRA, Deepti - MISHRA, Sushil Kumar - ROMANO, Patrick R. - WIMMEROVÁ, Michaela - KOČA, Jaroslav. Influence of Trp flipping on carbohydrate binding in lectins. An example on Aleuria aurantia lectin AAL. In *PLoS ONE*, 2017, vol. 12, art. no. e0189375. (2016: 2.806 - IF, Q1 - JCR, 1.236 - SJR, Q1 - SJR). ISSN 1932-6203. Dostupné na: <https://doi.org/10.1371/journal.pone.0189375>
- ADMA11 HRICOVÍNIOVÁ, Zuzana\*\* - MASCARETTI, Šárka - HRICOVÍNIOVÁ, Jana - ČÍŽEK, Alois - JAMPÍLEK, Josef. New unnatural gallotannins: A way toward green antioxidants, antimicrobials and antibiofilm agents. In *Antioxidants*, 2021, vol. 10, art. no. 1288, p. 1-19. (2020: 6.313 - IF, Q1 - JCR, 1.067 - SJR, Q2 - SJR). ISSN 2076-3921. Dostupné na: <https://doi.org/10.3390/antiox10081288>
- ADMA12 KAMRUZZAMAN, Mohammad\*\* - KELLY, Meagan - CHARLES, Richelle C. - HARRIS, Jason B. - CALDERWOOD, Stephen B. - AKTER, Aklima - BISWAS, Rajib - KAISAR, M. Hasanul - BHUIYAN, Taufiqur R. - IVERS, Louise C. - TERNIER, Ralph - JEROME, Jean-Gregory - PFISTER, Hélène B. - LU, Xiaowei - SOLIMAN, Sameh E. - RUTTENS, Bart - SAKSENA, Rina - MEČÁROVÁ, Jana - ČÍŽOVÁ, Alžbeta - QADRI, Firdausi - BYSTRICKÝ, Slavomír - KOVÁČ, Pavol - XU, Peng - RYAN, Edward T. Defining polysaccharide-specific antibody targets against *Vibrio cholerae* O139 in humans following O139 cholera and following vaccination with a commercial bivalent oral cholera vaccine, and evaluation of conjugate vaccines targeting O139. In *mSphere*, 2021, vol. 6, art. no. e001114-21 [20] p. (2020: 4.389 - IF, Q2 - JCR, 1.749 - SJR, Q1 - SJR). ISSN 2379-5042. Dostupné na: <https://doi.org/10.1128/mSphere.00114-21>
- ADMA13 KARNIŠOVÁ POTOCKÁ, Elena - MASTIHUBOVÁ, Mária - MASTIHUBA, Vladimír\*\*. Enzymatic synthesis of tyrosol and hydroxytyrosol

$\beta$ -D-fructofuranosides. In *Biocatalysis and Biotransformation*, 2019, vol. 37, p. 18-24. (2018: 1.627 - IF, Q3 - JCR, 0.299 - SJR, Q3 - SJR). ISSN 1024-2422. Dostupné na: <https://doi.org/10.1080/10242422.2017.1423060>

- ADMA14 KOHUTEK, Filip\*\* - KATRLÍK, Jaroslav - BYSTRICKÝ, Branislav. Hypotension as a symptom of autonomous neuropathy in patients with advanced malignancies. In *Biomedical Papers*, 2019, vol. 163, p. 331-334. (2018: 1.141 - IF, Q4 - JCR, 0.391 - SJR, Q3 - SJR). ISSN 1213-8118. Dostupné na: <https://doi.org/10.5507/bp.2018.073>
- ADMA15 KONYARIKOVÁ, Zuzana - SAVKOVÁ, Karin - KOZMON, Stanislav - MIKUŠOVÁ, Katarína\*\*. Biosynthesis of galactan in mycobacterium tuberculosis as a viable TB drug target? In *Antibiotics*, 2020, vol. 9, art. no. 20 [25] p. (2019: 3.893 - IF, Q1 - JCR, 1.173 - SJR, Q1 - SJR). ISSN 2079-6382. Dostupné na: <https://doi.org/10.3390/antibiotics9010020>
- ADMA16 KOSZAGOVÁ, Romana, Repiská - KRAJČOVIČ, Tomáš - PALENČÁROVÁ, Klaudia - PĀTOPRSTÝ, Vladimír - VIKARTOVSKÁ, Alica - POSPÍŠKOVÁ, Kristyna - ŠAFARÍK, Ivo - NAHÁLKA, Jozef\*\*. Magnetization of active inclusion bodies: comparison with centrifugation in repetitive biotransformations. In *Microbial Cell Factories*, 2018, vol. 17, p. 139-146. (2017: 3.831 - IF, Q1 - JCR, 1.443 - SJR, Q1 - SJR). ISSN 1475-2859. Dostupné na: <https://doi.org/10.1186/s12934-018-0987-7>
- ADMA17 KOŠŤÁLOVÁ, Zuzana - AGUEDO, Mario - HROMÁDKOVÁ, Zdenka. Microwave-assisted extraction of pectin from unutilized pumpkin biomass. In *Chemical Engineering and Processing: Process Intensification*, 2016, vol. 102, p. 9-15. (2015: 2.154 - IF, Q2 - JCR, 0.855 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0255-2701. Dostupné na: <https://doi.org/10.1016/j.cep.2015.12.009>
- ADMA18 KVĚTOŇ, Filip - BLŠÁKOVÁ, Anna - LORENCOVÁ, Lenka - JERIGOVÁ, Monika - VELIČ, Dušan - BLIXT, Ola - JANSSON, Bo - KASÁK, Peter\*\* - TKÁČ, Ján\*\*. A graphene-based glycan biosensor for electrochemical label-free detection of a tumor-associated antibody. In *Sensors*, 2019, vol. 19, iss. 24, art. no. 5409. (2018: 3.031 - IF, Q1 - JCR, 0.592 - SJR, Q2 - SJR). ISSN 1424-8220. Dostupné na: <https://doi.org/10.3390/s19245409>
- ADMA19 LAHO, Maroš\*\* - ŠEDIVÁ, Mária - MAJTÁN, Juraj - KLAUDINY, Jaroslav\*\*. Fructose and trehalose selectively enhance in vitro sporulation of *Paenibacillus larvae* ERIC I and ERIC II strains. In *Microorganisms*, 2021, vol. 9, art. no. 225 [15] p. (2020: 4.128 - IF, Q2 - JCR, 0.858 - SJR, Q2 - SJR). (2021 - WOS, SCOPUS). ISSN 2076-2607. Dostupné na: <https://doi.org/10.3390/microorganisms9020225>
- ADMA20 LÁSZLOVÁ, Katarína - DERCOVÁ, Katarína - HORVÁTHOVÁ, Helena - MURÍNOVÁ, Slavomíra - ŠKARBA, Juraj - DUDÁŠOVÁ, Hana. Assisted bioremediation approaches - Biostimulation and bioaugmentation - Used in the removal of organochlorinated pollutants from the contaminated bottom sediments. In

- ADMA21 MATULOVÁ, Mária\* - FECKOVÁ, Ľubomíra\* - NOVÁKOVÁ, Renáta - MINGYAR, Erik - CSÖLLEIOVÁ, Dominika - ZDURIENČÍKOVÁ, Martina - PÄTOPRSTÝ, Vladimír - SASINKOVÁ, Vlasta - UHĽIARIKOVÁ, Iveta - ŠEVČÍKOVÁ, Beatrice - REŽUCHOVÁ, Bronislava - HOMEROVÁ, Dagmar - KORMANEC, Ján\*\*. A structural analysis of the angucycline-like antibiotic auricin from *Streptomyces lavendulae* subsp. *lavendulae* CCM 3239 revealed its high similarity to griseusins. In *Antibiotics*, 2019, vol. 8, no. 3, no. E102. (2018: 2.921 - IF, Q2 - JCR, 1.121 - SJR, Q1 - SJR). ISSN 2079-6382. Dostupné na: <https://doi.org/10.3390/antibiotics8030102>
- ADMA22 NAHÁLKA, Jozef\*\*. Theoretical analysis of S, M and N structural proteins by the protein–RNA recognition code leads to genes/proteins that are relevant to the SARS-CoV-2 life cycle and pathogenesis. In *Frontiers in Genetics*, 2021, vol. 12, art. no. 763995. (2020: 4.599 - IF, Q2 - JCR, 1.413 - SJR, Q2 - SJR). ISSN 1664-8021. Dostupné na: <https://doi.org/10.3389/fgene.2021.763995>
- ADMA23 NĚMCOVÁ, Andrea\*\* - GONOVÁ, Dominika - SAMEK, Ota - SPICZKI, Mattias - BREIEROVÁ, Emília - MÁROVÁ, Ivana. The use of Raman spectroscopy to monitor metabolic changes in stressed *Metschnikowia* sp. yeasts. In *Microorganisms*, 2021, vol. 9, art. no. 277 [19] p. (2020: 4.128 - IF, Q2 - JCR, 0.858 - SJR, Q2 - SJR). (2021 - WOS, SCOPUS). ISSN 2076-2607. Dostupné na: <https://doi.org/10.3390/microorganisms9020277>
- ADMA24 PAULOVÍČOVÁ, Ema - PAULOVÍČOVÁ, Lucia - HRUBÍŠKO, Martin - KRYLOV, Vadim B. - ARGUNOV, Dmitry A. - NIFANTIEV, Nikolay E. Immunobiological activity of synthetically prepared immunodominant galactomannosides structurally mimicking *Aspergillus* galactomannan. In *Frontiers in Immunology*, 2017, vol. 8, art. no. 1273. (2016: 6.429 - IF, Q1 - JCR, 3.034 - SJR, Q1 - SJR). ISSN 1664-3224. Dostupné na: <https://doi.org/10.3389/fimmu.2017.01273>
- ADMA25 SLÁDEK, Vladimír\*\* - YAMAMOTO, Yuta - HARADA, Ryuhei - SHOJI, Mitsuo - SHIGETA, Yasuteru - SLÁDEK, Vladimír. pyProGA—A PyMOL plugin for protein residue network analysis. In *PLoS ONE*, 2021, vol. 16, art. no. e0255167 [17] p. (2020: 3.240 - IF, Q2 - JCR, 0.990 - SJR, Q1 - SJR). ISSN 1932-6203. Dostupné na: <https://doi.org/10.1371/journal.pone.0255167>
- ADMA26 ŠKODOVÁ-SVERÁKOVÁ, Ingrid\*\* - ZÁHONOVÁ, Kristína - JURICOVÁ, Valéria - DANCHENKO, Maksym - MOOS, Martin - BARÁTH, Peter - PROKOPCHUK, Galina - BUTENKO, Anzhelika - LUKÁČOVÁ, Veronika - KOHÚTOVÁ, Lenka - BUČKOVÁ, Barbora - HORÁK, Aleš - FAKTOROVÁ, Drahomíra - HORVÁTH, Anton - ŠIMEK, Petr - LUKEŠ, Julius. Highly flexible metabolism of the marine euglenozoan protist *Diplonema papillatum*. In *BMC Biology*, 2021, vol. 19, art. no. 251, [21] p. (2020: 7.431 - IF, Q1 - JCR, 3.952 - SJR, Q1 - SJR). ISSN 1741-7007. Dostupné na: <https://doi.org/10.1186/s12915-021-01186-y>

ADMA27 ŠUNDERIĆ, Miloš\*\* - KRIŽÁKOVÁ, Martina, Zámorová - MALENKOVIĆ, Vesna - ČUJÍČ, Danica - KATRLÍK, Jaroslav - NEDIĆ, Olgica. Changes due to ageing in the glycan structure of alpha-2-macroglobulin and its reactivity with ligands. In *Protein Journal*, 2019, vol. 38, p. 23-29. (2018: 1.029 - IF, Q4 - JCR, 0.363 - SJR, Q3 - SJR). ISSN 1572-3887. Dostupné na: <https://doi.org/10.1007/s10930-018-9806-6>

ADMA28 TKÁČ, Ján\*\* - BERTÓK, Tomáš - HÍREŠ, Michal - JÁNÉ, Eduard - LORENCOVÁ, Lenka - KASÁK, Peter. Glycomics of prostate cancer: updates. In *Expert Review of Proteomic*, 2019, vol. 16, p. 65-76. (2018: 2.963 - IF, Q2 - JCR, 0.946 - SJR, Q2 - SJR). ISSN 1478-9450. Dostupné na: <https://doi.org/10.1080/14789450.2019.1549993>

ADMA29 TKÁČ, Ján\*\* - PINKOVÁ GAJDOŠOVÁ, Veronika - HRONČEKOVÁ, Štefánia - BERTÓK, Tomáš - HÍREŠ, Michal - JÁNÉ, Eduard - LORENCOVÁ, Lenka - KASÁK, Peter. Prostate-specific antigen glycoprofiling as diagnostic and prognostic biomarker of prostate cancer. In *Interface Focus*, 2019, vol. 9, art. no. 20180077. (2018: 3.092 - IF, Q1 - JCR, 1.138 - SJR, Q1 - SJR). ISSN 2042-8898. Dostupné na: <https://doi.org/10.1098/rsfs.2018.0077>

ADMA30 VAN GOOL, Alain - CORRALES, Fernando - ČOLOVIĆ, Mirjana - KRISTIĆ, Danijela - OLIVER-MARTOS, Begona - MARTÍNEZ-CÁCERES, Eva - JAKASA, Ivone - GAJSKI, Goran - BRUN, Virginie - KYRIACOU, Kyriacos - BURZYNSKA-PEDZIWIATR, Izabela - WOZNIAK, Lucyna Alicja - NIERKENS, Stephan - GARCÍA, César Pascual - KATRLÍK, Jaroslav - BOJIC-TRBOJEVIC, Zanka - VACEK, Jan - LLORENTE, Alicia - ANTHONE, Felicia - SUICA, Viorel - SUAREZ, Guillaume - T'KINDT, Ruben - MARTIN, Petra - PENQUE, Deborah - MARTINS, Ines Lanca - BODOKI, Ede - JACOB, Bogdan-Cezar - AYDINDOGAN, Eda - TIMUR, Suna - ALLINSON, John - SUTTON, Christopher - LUIDER, Theo - WITTFORTH, Saara - SAMMAR, Marej\*\*. Analytical techniques for multiplex analysis of protein biomarkers. In *Expert Review of Proteomic*, 2020, vol. 17, p. 257-273. (2019: 3.614 - IF, Q1 - JCR, 0.979 - SJR, Q2 - SJR). ISSN 1478-9450. Dostupné na: <https://doi.org/10.1080/14789450.2020.1763174>

#### **ADMB Scientific papers in foreign non-impacted journals registered in Web of Sciences or Scopus**

ADMB01 BALALYKIN, Nikolay I. - HURAN, Jozef - NOZDRIN, Mikhail A.\*\* - FESCHENKO, A.A. - KOBZEV, A.P. - SASINKOVÁ, Vlasta - BOHÁČEK, Pavol - ARBET, Juraj. Reactive magnetron sputtering of N-doped carbon thin films on quartz glass for transmission photocathode applications. In *Journal of Physics: Conference Series*, 2018, vol. 992, no. 012031. (2017: 0.241 - SJR, Q3 - SJR). ISSN 1742-6588. Dostupné na: <https://doi.org/10.1088/1742-6596/992/1/012031>

ADMB02 BALALYKIN, Nikolay I. - HURAN, Jozef - NOZDRIN, Mikhail A.\*\* - SASINKOVÁ, Vlasta - KOVÁČOVÁ, Eva - KOBZEV, A.P. - SHIRKOV, G.D. Very thin carbon-based films for transmissive photocathodes. In *Journal of Physics: Conference Series : 21st International Summer School on Vacuum, Electron and Ion Technologies*, 2020, vol. 1492, art. no. 012034. (2019: 0.227 - SJR, Q3 - SJR). ISSN 1742-6588. Dostupné na: <https://doi.org/10.1088/1742-6596/1492/1/012034>

- ADMB03     BERTÓK, Tomáš - LORENCOVÁ, Lenka - HRONČEKOVÁ, Štefánia - GAJDOŠOVÁ, Veronika - JÁNÉ, Eduard - HÍREŠ, Michal - KASÁK, Peter\*\* - KAMAN, Ondrej - SOKOL, Roman - BELLA, Vladimír - ECKSTEIN ANDICSOVÁ, Anita - MOSNÁČEK, Jaroslav - VIKARTOVSKÁ, Alica - TKÁČ, Ján\*\*. Synthesis and characterization of Au nanoshells with a magnetic core and betaine derivatives. In *MethodsX*, 2019, vol. 6, p.1999-2012. (2018: 0.478 - SJR, Q2 - SJR). (2019 - WOS). ISSN 2215-0161. Dostupné na: <https://doi.org/10.1016/j.mex.2019.08.017>
- ADMB04     BLŠÁKOVÁ, Anna - KVĚTOŇ, Filip - TKÁČ, Ján\*\*. Glycan-modified interfaces in biosensing: an electrochemical approach. In *Current Opinion in Electrochemistry*, 2019, vol. 14, p. 60-65. (2018: 1.354 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 2451-9103. Dostupné na: <https://doi.org/10.1016/j.coelec.2018.12.011>
- ADMB05     BREIEROVÁ, Emília - ČERTÍK, Milan - MÁROVÁ, Ivana. Removal of copper (II) ions from aqua growth medium by red yeast. In *Materials Science Forum*, 2016, vol. 851, p. 3-7. (2015: 0.218 - SJR, Q3 - SJR). (2016 - SCOPUS). ISSN 0255-5476. Dostupné na: <https://doi.org/10.4028/www.scientific.net/MSF.851.3>
- ADMB06     BURYI, Maksym\*\* - REMEŠ, Zdeněk - BABIN, Vladimír - VANĚČEK, Vojtěch - AUBRECHTOVÁ DRAGOUNOVÁ, Kateřina - MIČOVÁ, Júlia - LANDOVÁ, Lucie - KUČERKOVÁ, Romana. ZnO nanorods alloyed with Mo/Er. The effect of post-deposition treatment on defect states and luminescence. In *IOP Conference Series: Materials Science and Engineering*, 2021, vol. 1050, art. no. 012002 [20] p. ISSN 1757-899x. Dostupné na: <https://doi.org/10.1088/1757-899X/1050/1/012002>
- ADMB07     DAMBORSKÝ, Pavel - DAMBORSKÁ, Dominika - BELICKÝ, Štefan - TKÁČ, Ján - KATRLÍK, Jaroslav\*\*. Sweet strategies in prostate cancer biomarker research: Focus on a prostate specific antigen. In *BioNanoScience*, 2018, vol. 8, p. 690-700. (2017: 0.308 - SJR, Q3 - SJR). ISSN 2191-1630. Dostupné na: <https://doi.org/10.1007/s12668-017-0397-z>
- ADMB08     HURAN, Jozef - BOHÁČEK, Pavol - SASINKOVÁ, Vlasta - KLEINOVÁ, Angela - MIKOLÁŠEK, M. - KOBZEV, A.P. - HRUBČÍN, Ladislav - ARBET, Juraj - SEKÁČOVÁ, Mária. Silicon carbide thin films deposited by PECVD technology for applications in photoelectrochemical water splitting devices. In *ASDAM 2016 : the 11th International Conference on Advanced Semiconductor Devices and Microsystems*. - IEEE, 2016, p. 215-218. ISBN 978-1-5090-3081-1. Dostupné na: <https://doi.org/10.1109/ASDAM.2016.7805933>
- ADMB09     CHANG, Yu Ying - REMEŠ, Zdeněk - MIČOVÁ, Júlia. Mass production of hydrogenated ZnO nanorods. In *NANOCON Conference Proceedings: NANOCON 2019 - International Conference on Nanomaterials, October 16-18, 2019, Brno, Czech Republic*. - Ostrava : Tanger Ltd., 2020, 2020, p. 221-225. ISBN 978-80-87294-95-6. ISSN 2694-930X. Dostupné na: <https://doi.org/10.37904/nanocon.2019.8680>

- ADMB10 CHMIELEWSKÁ, Eva - HAWASH, Hamada B.I. - GÓROVÁ, Renáta - KOVALÁKOVÁ, Mária - MAJZLAN, Juraj - SASINKOVÁ, Vlasta - HUDEC, Pavol. Natural resources and waste products in aquatic media remediation and diclofenac uptake. In *Current Green Chemistry*, 2018, vol. 5, p. 114-121. ISSN 2213-3461. Dostupné na: <https://doi.org/10.2174/2213346105666180622125344>
- ADMB11 JÍRA, Jaroslav\*\* - RUTHERFORD, David - MIČOVÁ, Júlia - REMEŠ, Zdeněk - REZEK, Bohuslav. Effect of ZnO nanoparticle sizes and illumination on growth inhibition of Escherichia coli and Staphylococcus aureus bacteria in cultivation medium. In *IOP Conference Series: Materials Science and Engineering*, 2021, vol. 1050, art. no. 012007 [8] p. ISSN 1757-899x. Dostupné na: <https://doi.org/10.1088/1757-899X/1050/1/012007>
- ADMB12 KASÁK, Peter\*\* - SASOVÁ, Jana - SHOHEEDUZZAMAN, Ruqaiya - BAIG, Mirza T. - ALYAFEI, Aldana Ali H. A. - TKÁČ, Ján. Influence of direct electric field on PMCG-alginate-based microcapsule. In *Emergent Materials*, 2021, vol. 4, p. 769-779. ISSN 2522-5731. Dostupné na: <https://doi.org/10.1007/s42247-021-00166-w>
- ADMB13 KOH, Sangho - IMAMURA, Seika - FUJINO, Naoto - MIZUNO, Masahiro\*\* - SATO, Nobuaki - MAKISHIMA, Satoshi - BIELY, Peter - AMANO, Yoshihiko. Characterization of acetylxylin esterase from white-rot fungus Irpex lacteus. In *Journal of Applied Glycoscience*, 2019, vol. 66, p. 131-137. ISSN 1880-7291. Dostupné na: [https://doi.org/10.5458/jag.jag.JAG-2019\\_0007](https://doi.org/10.5458/jag.jag.JAG-2019_0007)
- ADMB14 POLONYOVÁ, Eva - HORŇÁK, Marcel - ZELKO, Ivan - LUX, Alexander - ROST, Thomas L. Future geography graduates - how much their degree matters? Student expectations at Comenius University, Bratislava, Slovakia. In *Geographia Polonica*, 2017, vol. 90, p. 111-122. (2016: 0.380 - SJR, Q2 - SJR). (2017 - SCOPUS). ISSN 0016-7282. Dostupné na: <https://doi.org/10.7163/GPol.0083>
- ADMB15 REMEŠ, Zdeněk\*\* - KROMKA, Alexander - MIČOVÁ, Júlia - REZEK, Bohuslav - PORUBA, Aleš - HSU, Hua-Shu. Optical emission spectroscopy of radio frequency inductively coupled plasma for cold hydrogenation of nanoparticles. In *IOP Conference Series: Materials Science and Engineering*, 2021, vol. 1050, art. no. 012012 [7] p. ISSN 1757-899x. Dostupné na: <https://doi.org/10.1088/1757-899X/1050/1/012012>
- ADMB16 REMEŠ, Zdeněk\*\* - AUBRECHTOVÁ DRAGOUNOVÁ, Kateřina - MIČOVÁ, Júlia. Plasma hydrogenation of hydrothermally grown ZnO micropods. In *NANOCON 2020*. - Ostrava : TANGER Ltd., 2021, 2021, p. 512-517. ISBN 978-80-87294-98-7. Dostupné na: <https://doi.org/10.37904/nanocon.2020.3777>
- ADMB17 REMEŠ, Zdeněk - BURYI, Maksym - NEYKOVA, Neda - STUCHLÍK, Jiří - MIČOVÁ, Júlia - HSU, Hua Shu. Room temperature plasma hydrogenation – An effective way to suppress defects in ZnO nanorods. In *Materials Today: Proceedings*. - Oxford : Elsevier Sci., 2020, vol. 33, part 6, p. 2481-2483. (2019: 0.304 - SJR). ISSN 2214-7853. Dostupné na: <https://doi.org/10.1016/j.matpr.2020.02.758>

ADMB18 REMEŠ, Zdeněk - CHANG, Yu-Ying - STUHLÍK, Jiří - MIČOVÁ, Júlia. The photoluminescence and optical absorptance of plasma hydrogenated nanocrystalline ZnO thin films. In *NANOCON 2018 : 10th Anniversary International Conference on Nanomaterials - Research and Application October 17th - 19th 2018 Brno*. - Ostrava : Tanger Ltd., 2019, 2019, p. 78-82. ISBN 978-808729489-5.

ADMB19 RENDA, Gülin\*\* - ŠORAL, Michal - ŞÖHRETOĞLU, Didem. Isolation of a megastigman glycoside and an indol derivative from *Malva nicaeensis* All. In *Journal of Research in Pharmacy*, 2021, vol. 25, p. 564-568. (2020: 0.214 - SJR, Q3 - SJR). ISSN 2630-6344. Dostupné na: <https://doi.org/10.29228/jrp.47>

ADMB20 RUTHERFORD, David\*\* - JÍRA, Jaroslav - MIČOVÁ, Júlia - REMEŠ, Zdeněk - HSU, Hua Shu - REZEK, Bohuslav. Comparison of microbial interactions of zinc oxide nanomaterials in various size and shape. In *NANOCON Conference Proceedings: NANOCON 2019 - International Conference on Nanomaterials, October 16-18, 2019, Brno, Czech Republic*. - Ostrava : Tanger Ltd., 2020, 2020, p. 330-335. ISBN 978-80-87294-95-6. ISSN 2694-930X. Dostupné na: <https://doi.org/10.37904/nanocon.2019.8666>

#### **ADNA Scientific papers in domestic impacted journals registered in Web of Sciences or Scopus**

ADNA01 LEKKA, Dimitra Evanthia - BRUCKNEROVÁ, Jana - ŠALINGOVÁ, Anna - ŠEBOVÁ, Klaudia - OSTROŽLÍKOVÁ, Mária - ZIBUROVÁ, Jana - NEMČOVIČ, Marek - ŠESTÁK, Sergej - BELLOVÁ, Jana - PAKANOVÁ, Zuzana - SIVÁKOVÁ, Barbara - SKOKŇOVÁ, Martina - BZDÚCH, Vladimír - MUCHA, Ján - BARÁTH, Peter - BRUCKNEROVÁ, Ingrid\*\*. Congenital disorders of glycosylation – an umbrella term for rapidly expanding group of rare genetic metabolic disorders – importance of physical investigation. In *Bratislava Medical Journal*, 2021, vol. 122, no. 3, p. 190-195. (2020: 1.278 - IF, Q3 - JCR, 0.387 - SJR, Q3 - SJR). ISSN 0006-9248. Dostupné na: [https://doi.org/10.4149/BLL\\_2021\\_030](https://doi.org/10.4149/BLL_2021_030)

ADNA02 MIČOVÁ, Júlia - REMEŠ, Zdeněk - YU-YING, Chang. Production of zinc oxide nanowires power with precisely defined morphology. In *Journal of Electrical Engineering*, 2017, vol. 68, no. 7, p. 66-69. (2016: 0.483 - IF, Q4 - JCR, 0.311 - SJR, Q2 - SJR). (2017 - WOS, SCOPUS). ISSN 1335-3632. Dostupné na: <https://doi.org/10.1515/jee-2017-0059>

ADNA03 PAKANOVÁ, Zuzana\*\* - NEMČOVIČ, Marek - ZIBUROVÁ, Jana - MUCHA, Ján - ŠALINGOVÁ, Anna - ŠEBOVÁ, Claudia - JURÍČKOVÁ, Katarína - BARÁTH, Peter. Inherited metabolic disorders of glycoconjugate metabolism. In *Bratislava Medical Journal*, 2020, vol. 121, p. 760-766. (2019: 1.200 - IF, Q3 - JCR, 0.340 - SJR, Q3 - SJR). ISSN 0006-9248. Dostupné na: [https://doi.org/10.4149/BLL\\_2020\\_124](https://doi.org/10.4149/BLL_2020_124)

#### **ADNB Scientific papers in domestic non-impacted journals registered in Web of Sciences or Scopus**

ADNB01 BEZEK, Štefan - BRNOLIAKOVÁ, Zuzana - SOTNÍKOVÁ, Ružena - KNEZL, Vladimír - PAULOVÍČOVÁ, Ema - NAVAROVÁ, Jana - BAUER,



Viktor. Monotherapy of experimental metabolic syndrome: I. Efficacy and safety. In *Interdisciplinary toxicology*, 2017, vol. 10, no. 3, p. 81-85. (2016: 0.409 - SJR, Q3 - SJR). (2017 - SCOPUS). ISSN 1337-6853. Dostupné na: <https://doi.org/10.1515/intox-2017-0013>

ADNB02     KARKESZOVÁ, Klaudia - ILLEOVÁ, Viera - KIS, Peter - MASTIHUBA, Vladimír - POLAKOVIČ, Milan\*\*. Apiin-induction of  $\beta$ -apiosidase production by *Aspergillus* sp. strains. In *Acta Chimica Slovaca*, 2020, vol. 13, no. 1, p. 72-76. ISSN 1337-978X. Dostupné na: <https://doi.org/10.2478/acs-2020-0011>

ADNB03     KOSZAGOVÁ, Romana, Repiská\*\* - NAHÁLKA, Jozef. Inclusion bodies in biotechnology. In *Journal of Microbiology, Biotechnology and Food Sciences*, 2020, vol. 9, p. 1191-1196. (2019: 0.163 - SJR, Q4 - SJR). (2020 - WOS, SCOPUS). ISSN 1338-5178. Dostupné na: <https://doi.org/10.15414/jmbfs.2020.9.6.1191-1196>

**AECA Scientific papers in foreign peer-reviewed proceedings and shorter chapters in foreign scientific monographs or academic/university textbooks**

AECA01     HRABÁROVÁ, Eva - ŠOLTĚS, Ladislav. Peroxynitrite: a potent endogenous pro-oxidant agent playing an important role in degradation of hyaluronan biopolymer. In *Monomers, oligomers, polymers, composites, and nanocomposites research : synthesis, properties and applications*. - New York : Nova Science Publishers, 2010, p. 127-138. ISBN 978-1-60876-029-9. *Monomers, Oligomers, Polymers, Composites, and Nanocomposites Research : synthesis, properties and applications*. - Nova Science Publishers, 2021-eBook, p. 127-138. ISBN 978-153619350-3.

AECA02     KOGAN, Grigorij. Hyaluronan – A High-Molar-Mass Messenger Reporting on the Status of Synovial Joints: Part I. Physiological Status. In *New steps in chemical and biochemical physics. Pure and applied science*. - New York : Nova Science Publishers, 2010, p. 123-135. ISBN 978-1-61668-923-0. *New Steps in Chemical and Biochemical Physics. Pure and Applied Science*. - Nova Science Publishers, 2021-ebook, p. 123-135. ISBN 978-1-61728-056-6.

AECA03     KUSHWAHA, Divya - BARÁTH, Marek - KOVÁČ, Pavol. Preparation and characterization of 6-Azidohexyl 2,3,4,6-tetra-O-acetyl- $\beta$ -D-glucopyranoside. In *Carbohydrate Chemistry: Proven Synthetic Method. Vol. 4.* - Boca Raton, USA : CRC Press, 2018, p. 183-188. ISBN 978-1-4987-2691-7.

AECA04     MISLOVIČOVÁ, Danica - ŠOLTĚS, Ladislav. Neoglycoproteins of mannan: preparation, characterization, properties, and applications. In *Monomers, oligomers, polymers, composites, and nanocomposites research : synthesis, properties and applications*. - New York : Nova Science Publishers, 2010, p. 151-165. ISBN 978-1-60876-029-9. *Monomers, Oligomers, Polymers, Composites, and Nanocomposites Research : synthesis, properties and applications*. - Nova Science Publishers, 2021-eBook, p. 151-165. ISBN 978-153619350-3.

**AEDA Scientific papers in domestic peer-reviewed proceedings and shorter chapters in domestic scientific monographs or academic/university textbooks**

AEDA01     PETRÁŠ, Martin - ŠARLINOVÁ, Miroslava - ŠKORVANOVÁ, Michaela - MUŠÁK, Ľudovít - MATÁKOVÁ, Tatiana - HÁNYŠOVÁ, Sandra -

SKALIČANOVÁ, Michaela - HAMADA, Ľuboš - HALAŠOVÁ, Erika. Využitie anti-PD-1/PD-L1 imunoterapie pri karcinóme pľúc. In *Nové trendy a perspektívy v histológii : recenzovaný zborník prác*. VI. - Martin : Jesseniova lekárska fakulta v Martine, Univerzita Komenského v Bratislave, 2020, s. 127-131. ISBN 978-80-8187-085-9.

**AEGA Abstracts of scientific papers published in foreign impacted journals registered in Current Contents Connect**

AEGA01 KRIŽÁK, Jakub - FRIMMEL, Karel - BREIEROVÁ, Emília - SOTNÍKOVÁ, Ružena - NAVAROVÁ, Jana - BERNÁTOVÁ, Iveta - OKRUHLICOVÁ, Ľudmila. Effect of endotoxin and natural carotenoids on aortic endothelial tight junctions' occludin expression. In *Atherosclerosis*, 2016, vol. 252, e-suppl., p. e58-e59, abstract EAS16-0405. (2015: 3.942 - IF, Q1 - JCR, 1.878 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0021-9150.

**AEMA Abstracts of scientific papers published in foreign impacted journals registered in Web of Science Core Collection or Scopus**

AEMA01 DOVINOVÁ, Ima - HRABÁROVÁ, Eva - JANSEN, Eugene - MAJÚNOVÁ, Miroslava - KVANDOVÁ, Miroslava - ČAČANYIOVÁ, Soňa. Changes of ADMA production, homocysteine level and improvement of redox status in plasma of hypertensive animals in chronic treatment of 7-nitroindazole. In *Free Radical Biology and Medicine*, 2018, vol. 120, suppl. 1, p. S115-S116. (2017: 6.020 - IF, Q1 - JCR, 2.178 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0891-5849.

AEMA02 FRIMMEL, Karel - KRIŽÁK, Jakub - BREIEROVÁ, Emília - LIPTÁK, Boris - NAVAROVÁ, Jana - KNEZL, Vladimír - BERNÁTOVÁ, Iveta - OKRUHLICOVÁ, Ľudmila. Beneficial effect of carotenoids to heart function associated with cell-to-cell communication via gap junctions after LPS administration. In *Acta Physiologica : official journal of the Federation of European Physiological Societies*, 2016, vol. 217, suppl. 708, p. 50. (2015: 4.066 - IF, Q1 - JCR, 1.654 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1748-1708. *FEPS 2016, Joint meeting of the Federation of European Physiological Societies and the French Physiological Society, Paris, June 29 - July 1, 2016*. (2015: 4.066 - IF, Q1 - JCR, 1.654 - SJR, Q1 - SJR, Current Contents - CCC).

AEMA03 FRIMMEL, Karel - KRIŽÁK, Jakub - LIPTÁK, Boris - NAVAROVÁ, Jana - KNEZL, Vladimír - BREIEROVÁ, Emília - BERNÁTOVÁ, Iveta - OKRUHLICOVÁ, Ľudmila. Protective effect of carotenoids on Cx-40 and Cx-43 expression in the left ventricle of normotensive Wistar rats after administration of LPS. In *Atherosclerosis*, 2016, vol. 252, e-suppl., p. E182-E183, abstract EAS16-0558. (2015: 3.942 - IF, Q1 - JCR, 1.878 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0021-9150.

AEMA04 NEMČOVIČOVÁ, Ivana - NEMČOVIČ, Marek - BENKO, Mário - LENHARTOVÁ, Simona - HOLÍKOVÁ, Viera - ZAJONC, Dirk. Analysis of cytomegalovirus immune evasion protein UL144 glycosylation profile revealed its role in immune recognition. In *Acta Crystallographica A*, 2019, vol. 75, p. E92-E92. (2018: 1.878 - IF, Q2 - JCR, 7.285 - SJR, Q1 - SJR, Current Contents - CCC). (2019

- Current Contents). ISSN 2053-2733. Dostupné na:  
<https://doi.org/10.1107/S2053273319094646>

AEMA05 NEMČOVIČOVÁ, Ivana - LENHARTOVÁ, Simona - ŠKRABANA, Rostislav - BENKO, Mário - NEMČOVIČ, Marek. Molecular insights into host-virus interaction of human and rhesus cytomegalovirus UL144 mediated by immune checkpoint BTLA and CD160. In *Journal of immunology*, 2021, vol. 206, no. 1. suppl. 1. (2020: 5.422 - IF, Q2 - JCR, 2.737 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0022-1767.

#### **AFC Published papers from foreign scientific conferences**

AFC01 BELICKÁ, Ľudmila, Kluková - FILIP, Jaroslav - TKÁČ, Ján. Graphene-based lectin biosensor for ultrasensitive detection of glycan structures applicable in early diagnosis. In *Proceedings, 9th International Conference on Sensing Technology (ICST 2015) : Auckland, New Zealand, December 8-10, 2015*. - Auckland : University of Auckland, 2016, 2016, vol. 2016-March, article no. 7438361, p. 40-45. ISBN 978-147996314-0.

AFC02 BELICKÝ, Štefan - TKÁČ, Ján. Glycoprofiling: a key to early prostate cancer diagnosis. In *Proceedings, 9th International Conference on Sensing Technology (ICST 2015) : Auckland, New Zealand, December 8-10, 2015*. - Auckland : University of Auckland, 2016, vol. 2016-March, article no. 7438453, p. 520-524. ISBN 978-147996314-0.

AFC03 BLEHA, Roman - BRINDZA, Ján - CAPEK, Peter - SINICA, Andrej. Isolation of polysaccharide and sporopollenin from sunflower bee pollen cell walls. In *Proceedings of the 14th International Conference on Polysaccharides-Glycoscience 7-9 November 2018 Prague*. - Prague : Czech Chemical Society, 2018, p. 31-36. ISSN 2336-6796.

AFC04 DEBNÁROVÁ, Daniela - CHMELOVÁ, Daniela - HROMÁDKOVÁ, Zdenka - ONDREJOVIČ, Miroslav. Biochemical characterization of endo-beta-1,4-xylanases from *Trichoderma longibrachiatum*. In *Recenzovaný sborník příspěvků: MMK 2016: : mezinárodní Masarykova konference pro doktorandy a mladé vědecké pracovníky*. - 2016, s. 1590-1598. ISBN 978-80-87952-17-7.

AFC05 HALAJ, Michal - CAPEK, Peter. The structural features of extracellular biopolymers produced by green microalgae. In *Proceedings of the 12th International Conference on Polysaccharides-Glycoscience, Prague 19th - 21th October 2016*. - Prague : Czech Chemical Society, 2016, p. 136-141. ISSN 2336-6796.

AFC06 HROMÁDKOVÁ, Zdenka - KOŠTÁLOVÁ, Zuzana - YILMAZ, Tuncay - TAVMAN, Sebnem. Characterization of pectic polysaccharides extracted from hazelnut skin by hot water. In *Proceedings of the 12th International Conference on Polysaccharides-Glycoscience, Prague 19th - 21th October 2016*. - Prague : Czech Chemical Society, 2016, p. 148-152. ISSN 2336-6796.

AFC07 HROMÁDKOVÁ, Zdenka - KOŠTÁLOVÁ, Zuzana - ONDREJOVIČ, Miroslav - CHMELOVÁ, Daniela. Isolation, composition and structure of

polysaccharides from *Larix decidua*. In *Proceedings of the 12th International Conference on Polysaccharides-Glycoscience, Prague 19th - 21th October 2016*. - Prague : Czech Chemical Society, 2016, p. 142-147. ISSN 2336-6796.

- AFC08        HROMÁDKOVÁ, Zdenka - KOŠTÁLOVÁ, Zuzana. Ultrasound extraction, purification, and physicochemical properties of arabinogalactan from *Larix decidua* sawdust. In *Proceedings of the 14th International Conference on Polysaccharides-Glycoscience 7-9 November 2018 Prague*. - Prague : Czech Chemical Society, 2018, p. 152-156. ISSN 2336-6796.
- AFC09        HURAN, Jozef - BALALYKIN, Nikolay I. - NOZDRIN, Mikhail A.. - SASINKOVÁ, Vlasta - KLEINOVÁ, Angela - KOBZEV, Alexander P. - KOVÁČOVÁ, Eva. Nitrogen-doped carbon-based very thin film on quartz or sapphire substrate as black-side illuminated transmission photocatode. In *YURISH, Sergey Y. (ed.). Proceedings of the 2nd International Conference on Microelectronic Devices and Technologies (MicDAT '2019), May 22-24, 2019, Amsterdam, The Netherlands*. - Barcelona : IFSA Publishing, S.L., 2019, p. 29-32. ISBN 978-84-09-11679-9.
- AFC10        RICHTEROVÁ, Danica, Richterová - LABANCOVÁ, Eva - VATEHOVÁ, Zuzana - LIŠKOVÁ, Desana - KOLLÁROVÁ, Karin. Vzťah medzi rastom, koncentráciou fotosyntetických a minerálnych prvkov v bunkách kalusu topol'a v prítomnosti antimónu a kremíka = The relationship between growth, the concentration of photosynthetic pigments and the concentration of nutrients in poplar callus cells in the presence of antimony and silicon. In *Vliv abiotických a biotických stresorů na vlastnosti rostlin 2019 : sborník recenzovaných vědeckých prací*. Editor Věra Kožnarová ; recenzenti Jan Novák, Jana Šlégrová. - Praha ; Zvolen : Česká zemědělská univerzita : Ústav ekologie lesa SAV, 2019, s. 77-80. ISBN 978-80-89408-35-1.
- AFC11        LABANCOVÁ, Eva - VOJTEKOVÁ, Kristína - KUČEROVÁ, Danica, Richterová - VATEHOVÁ, Zuzana - LIŠKOVÁ, Desana - KOLLÁROVÁ, Karin. Vplyv galaktoglucomanánových oligosacharidov na distribúciu a akumuláciu oxidu dusnatého a peroxidu vodíka v koreňoch rastlín vystavených kadmium = The influence of galactoglucomannan oligosaccharides on the distribution and accumulation of nitric oxide and hydrogen peroxide in plant roots exposed to cadmium. In *Vliv abiotických a biotických stresorů na vlastnosti rostlin 2019 : sborník recenzovaných vědeckých prací*. Editor Věra Kožnarová ; recenzenti Jan Novák, Jana Šlégrová. - Praha ; Zvolen : Česká zemědělská univerzita : Ústav ekologie lesa SAV, 2019, s. 88-91. ISBN 978-80-89408-35-1.
- AFC12        MIČOVÁ, Júlia - REMEŠ, Zdeněk - CHANG, Y.Y. - NEYKOVA, N. Preparation of zinc oxide nanorods colloid from thin layers. In *NANOCON 2016 : 8th International Conference on Nanomaterials - Research & Application : conference proceedings : October 19th-21th 2016, Hotel Voronez I, Brno, Czech Republic, EU*. - Ostrava : Tanger Ltd, 2017, p. 127-132. ISBN 978-80-87294-71-0.
- AFC13        SUSHYTSKYI, Leonid - BLEHA, Roman - SINICA, Andrej - CAPEK, Peter - ČOPÍKOVÁ, Jana - KAŠTÁNEK, Petr. Water-soluble polysaccharides isolated from biomass of chlorophyll-deficient microalgae *Chlorella vulgaris* G11. In

*Proceedings of the 14th International Conference on Polysaccharides-Glycoscience 7-9 November 2018 Prague.* - Prague : Czech Chemical Society, 2018, p. 385-389. ISSN 2336-6796.

- AFC14      TKÁČ, Ján - HUSHEGYI, András - KVĚTOŇ, Filip - BERTÓK, Tomáš.  
Ultrasensitive electrochemical glycan biosensors. In *XXXVII. Moderní elektrochemické metody. Jetřichovice, May 15th - May 19th, 2017, Czech Republic.* - Ústí nad Labem : Best Servis, 2017, p. 220-224. ISBN 978-80-905221-5-2.
- AFC15      TOMČÍKOVÁ, Kornélia - KVĚTOŇ, Filip - HÍVEŠ, Ján - TKÁČ, Ján - GÁL, Miroslav. Impedimetric biosensor for influenza detection (Impedimetrický biosenzor pre detekciu vírusu chrípky). In *XXXVII. Moderní elektrochemické metody. Jetřichovice, May 15th - May 19th, 2017, Czech Republic.* - Ústí nad Labem : Best Servis, 2017, p. 230-233. ISBN 978-80-905221-5-2.

**AFD Published papers from domestic scientific conferences**

- AFD01      BELKOVÁ, Martina\*\* - KOSZAGOVÁ, Romana, Repiská - NAHÁLKA, Jozef. Porovnanie aktivity bakteriálnych inklúzných teliesok imobilizovaných magnetickými časticami rôznych kovov. In *Študentská vedecká konferencia PriF UK 2021 : zborník recenzovaných príspevkov*. Editori: Eva Viglašová, Mária Chovancová, Táňa Sebechlebská, Dagmara Gajanová. Recenzenti: členovia odborného výboru. - Bratislava : Univerzita Komenského v Bratislave, Prírodovedecká fakulta MS TEAMS, 2021, s. 528-533. ISBN 978-80-223-5132-4.
- AFD02      BENKO, Mário - NEMČOVIČ, Marek - NEMČOVIČOVÁ, Ivana. Molecular characterization of cytomegalovirus UL144 glycan-deficient mutein recombinantly produced in baculovirus-insect expression system. In *Študentská vedecká konferencia PriF UK 2018 : zborník recenzovaných príspevkov*. Editori: Michal Galamboš, Eva Viglašová, Vladimíra Džugasová, Andrea Ševčovičová, Adela Bobovská. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2018, s. 33-39. ISBN 978-80-223-4517-0.
- AFD03      BENKO, Mário - NEMČOVIČ, Marek - NEMČOVIČOVÁ, Ivana. Preliminary crystallization of cytomegalovirus UL144 glycan-deficient mutein recombinantly produced in baculovirus-insect expression system. In *Študentská vedecká konferencia PriF UK 2019: Zborník recenzovaných príspevkov, 9. apríl 2019, Bratislava*. Editori: Michal Galamboš, Vladimíra Džugasová, Andrea Ševčovičová, Adela Bobovská. - Bratislava : Univerzita Komenského vo Vydavateľstve UK, 2019, s. 45-50. ISBN 978-80-223-4711-2.
- AFD04      BOŤANSKÁ, Barbora - MASTIHUBOVÁ, Mária - MASTIHUBA, Vladimír - BARANČÍK, Miroslav. Vplyv glykofenolík na toxické účinky doxorubicínu v obličkových bunkách HEK 293. In *Študentská vedecká konferencia PriF UK 2019: Zborník recenzovaných príspevkov, 9. apríl 2019, Bratislava*. Editori Michal Galamboš, Vladimíra Džugasová, Andrea Ševčovičová, Adela Bobovská. - Bratislava : Univerzita Komenského vo Vydavateľstve UK, 2019, s. 55-60. ISBN 978-80-223-4711-2.
- AFD05      DEVEROVÁ, Zuzana - KRIŽÁKOVÁ, Martina, Zámorová - FARKAŠ, Pavol - KATRLÍK, Jaroslav - LIŠKOVÁ, Desana. Interakcie galaktoglukomanánových

oligosacharidov s vybranými rastlinnými lektínmi. In *Študentská vedecká konferencia PriF UK 2018, 25. apríl 2018, Bratislava : zborník recenzovaných príspevkov*. Editor Michal Galamboš, Eva Viglašová, Vladimíra Džugasová, Andrea Ševčovičová, Adela Bobovská ; rec. Alžbeta Blehová, Silvia Bodoríková. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2018, s. 92-97. ISBN 978-80-223-4517-0.

- AFD06      DUJNÍČ, Viera - PÄTOPRSTÝ, Vladimír. Hmotnostná spektrometria parciálne metylovaných alditol acetátov z polysacharidov izolovaných z rastliny *Siraitia grosvenori*. In *Študentská vedecká konferencia PriF UK 2018 : zborník recenzovaných príspevkov*. Editor Michal Galamboš, Eva Viglašová, Vladimíra Džugasová, Andrea Ševčovičová, Adela Bobovská ; rec. Alžbeta Blehová, Silvia Bodoríková. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2018, s. 876-881. ISBN 978-80-223-4517-0.
- AFD07      DUJNÍČ, Viera - PANČÍK, Filip - PÄTOPRSTÝ, Vladimír - KOLEK, Emil. Identifikácia vonných a chuťových látok v kvetoch rastliny *Siraitia grosvenori* pomocou metód SPME/GC-MS. In *Študentská vedecká konferencia PriF UK 2019: Zborník recenzovaných príspevkov, 9. apríl 2019, Bratislava*. Editori Michal Galamboš, Vladimíra Džugasová, Andrea Ševčovičová, Adela Bobovská. - Bratislava : Univerzita Komenského vo Vydavateľstve UK, 2019, s. 672-677. ISBN 978-80-223-4711-2.
- AFD08      DUJNÍČ, Viera - PÄTOPRSTÝ, Vladimír. Porovnanie tradičných extrakčných metód so superkritickou fluidnou CO<sub>2</sub> extrakciou u rastliny *S. grosvenori*. In *Študentská vedecká konferencia PriF UK 2017, Bratislava : zborník recenzovaných príspevkov, 26. apríl 2017*. - Bratislava : Univerzita Komenského v Bratislave, 2017, p. 957-962. ISBN 978-80-223-4310-7.
- AFD09      DUJNÍČ, Viera - PÄTOPRSTÝ, Vladimír. Stanovenie celkového obsahu sacharidov a urónových kyselín v kvetoch a plodoch rastliny *Siraitia grosvenori*. In *Študentská vedecká konferencia PriF UK 2018 : zborník recenzovaných príspevkov*. Editor Michal Galamboš, Eva Viglašová, Vladimíra Džugasová, Andrea Ševčovičová, Adela Bobovská ; rec. Alžbeta Blehová, Silvia Bodoríková. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2018, s. 870-881. ISBN 978-80-223-4517-0.
- AFD10      DUJNÍČ, Viera - PANČÍK, Filip - ČÍŽOVÁ, Alžbeta - VALÁRIKOVÁ, Jana - BYSTRICKÝ, Slavomír - BARÁTH, Peter - VLČKOVÁ, Silvia. Štruktúrna analýza O-špecificky viazaných sacharidov z baktérie *Vibrio cholerae* O139. In *Študentská vedecká konferencia PriF UK 2019: Zborník recenzovaných príspevkov, 9. apríl 2019, Bratislava*. Editori Michal Galamboš, Vladimíra Džugasová, Andrea Ševčovičová, Adela Bobovská. - Bratislava : Univerzita Komenského vo Vydavateľstve UK, 2019, s. 678-682. ISBN 978-80-223-4711-2.
- AFD11      DZURNÁKOVÁ, Silvia - LABANCOVÁ, Eva - ŠÍPOŠOVÁ, Kristína - KUČEROVÁ, Danica, Richterová - KOLLÁROVÁ, Karin. Účinky kremíka pri zmierňovaní negatívneho vplyvu zasolenia na rast nadzemných častí fazule mungo (*Vigna radiata* (L.) Wilczek). In *Študentská vedecká konferencia PriF UK 2020 : zborník recenzovaných príspevkov*. Editori Eva Viglašová, Mária Kondeková, Táňa

Sebechlebská, Dagmara Gajanová Recenzenti: členovia odborného výboru. - Bratislava : Univerzita Komenského v Bratislave, Prírodovedecká fakulta MS TEAMS, 2020, s. 125-130. ISBN 978-80-223-5032-7.

- AFD12        DZURNÁKOVÁ, Silvia - LABANCOVÁ, Eva - ŠÍPOŠOVÁ, Kristína - KUČEROVÁ, Danica, Richterová - KOLLÁROVÁ, Karin. Vplyv kremíka a zasolenia na fyziologické a metabolické parametre nadzemnej časti fazule mungo (*Vigna radiata* (L.) Wilczek). In *Študentská vedecká konferencia PriF UK 2020 : zborník recenzovaných príspevkov*. Editori Eva Viglašová, Mária Kondeková, Táňa Sebechlebská, Dagmara Gajanová Recenzenti: členovia odborného výboru. - Bratislava : Univerzita Komenského v Bratislave, Prírodovedecká fakulta MS TEAMS, 2020, s. 131-136. ISBN 978-80-223-5032-7.
- AFD13        HAČKULIČOVÁ, Diana - DUDÁŠ, Matej. Rozšírenie vybraných zástupcov z čeľade Lycopodiaceae s. l. v Slanských vrchoch. In *Študentská vedecká konferencia PriF UK 2020 : zborník recenzovaných príspevkov*. Editori: Eva Viglašová, Mária Kondeková, Táňa Sebechlebská, Dagmara Gajanová Recenzenti: členovia odborného výboru. - Bratislava : Univerzita Komenského v Bratislave, Prírodovedecká fakulta MS TEAMS, 2020, s. 173-178. ISBN 978-80-223-5032-7.
- AFD14        HAČKULIČOVÁ, Diana\*\* - TELEPKOVÁ, Petra - LABANCOVÁ, Eva - ŠÍPOŠOVÁ, Kristína - OBLOŽINSKÝ, Marek - VIVODOVÁ, Zuzana - KUČEROVÁ, Danica, Richterová - KOLLÁROVÁ, Karin. Tvorba oxidu dusnatého v koreňoch arábkovky rastúcej v prítomnosti kadmia a galaktoglukomanánových oligosacharidov. In *Študentská vedecká konferencia PriF UK 2021 : zborník recenzovaných príspevkov*. Editori Eva Viglašová, Mária Chovancová, Táňa Sebechlebská, Dagmara Gajanová. Recenzenti: členovia odborného výboru. - Bratislava : Univerzita Komenského v Bratislave, Prírodovedecká fakulta MS TEAMS, 2021, s. 121-126. ISBN 978-80-223-5132-4.
- AFD15        HAČKULIČOVÁ, Diana\*\* - DZURNÁKOVÁ, Silvia - LABANCOVÁ, Eva - ŠÍPOŠOVÁ, Kristína - KOLLÁROVÁ, Karin. Vplyv kremíka a zasolenia na rast a aktivitu antioxidačných enzýmov koreňov fazule mungo (*Vigna radiata* (L.) Wilczek). In *Študentská vedecká konferencia PriF UK 2021 : zborník recenzovaných príspevkov*. Editori Eva Viglašová, Mária Chovancová, Táňa Sebechlebská, Dagmara Gajanová. Recenzenti: členovia odborného výboru. - Bratislava : Univerzita Komenského v Bratislave, Prírodovedecká fakulta MS TEAMS, 2021, s. 115-120. ISBN 978-80-223-5132-4.
- AFD16        HAKAROVÁ, Marietta - BUČKO, Marek - KRAJČOVIČ, Tomáš - GEMEINER, Peter. Imobilizácia celobunkových biokatalyzátorov pre produkciu bioaktívnych látok pomocou Baeyer-Villigerovej biooxidácie. In *Študentská vedecká konferencia PriF UK 2018 : zborník recenzovaných príspevkov*. Editor Michal Galamboš, Eva Viglašová, Vladimíra Džugasová, Andrea Ševčovičová, Adela Bobovská ; rec. Alžbeta Blehová, Silvia Bodoríková. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2018, s. 157-162. ISBN 978-80-223-4517-0.
- AFD17        HORVÁTHOVÁ, Ágnes - STRATILOVÁ, Barbora - STRATILOVÁ, Eva. Lokalizácia inkorporácie oligogalakturónových kyselín v podzemnej časti rastliny

*Tropaeolum majus*. In *Študentská vedecká konferencia PriF UK 2019: Zborník recenzovaných príspevkov, 9. apríl 2019, Bratislava*. Editori Michal Galamboš, Vladimíra Džugasová, Andrea Ševčovičová, Adela Bobovská. - Bratislava : Univerzita Komenského vo Vydavateľstve UK, 2019, s. 730-735. ISBN 978-80-223-4711-2.

- AFD18      HORVÁTHOVÁ, Ágnes - FARKAŠ, Vladimír. Morfológické a chemické zmeny bunkových stien kvasiniek *Saccharomyces cerevisiae* vyvolané chitooligosacharidmi. In *Študentská vedecká konferencia PriF UK 2020 : zborník recenzovaných príspevkov*. Editori: Eva Viglašová, Mária Kondeková, Táňa Sebechlebská, Dagmara Gajanová Recenzenti: členovia odborného výboru. - Bratislava : Univerzita Komenského v Bratislave, Prírodovedecká fakulta MS TEAMS, 2020, s. 666-670. ISBN 978-80-223-5032-7.
- AFD19      HORVÁTHOVÁ, Ágnes - STRATILOVÁ, Barbora - FARKAŠ, Vladimír - STRATILOVÁ, Eva. Testovanie inhibičného účinku komerčných antifungálnych látok na enzým xyloglukánendotransglykozyláza (XET). In *Študentská vedecká konferencia PriF UK 2019: Zborník recenzovaných príspevkov, 9. apríl 2019, Bratislava*. Editori Michal Galamboš, Vladimíra Džugasová, Andrea Ševčovičová, Adela Bobovská. - Bratislava : Univerzita Komenského vo Vydavateľstve UK, 2019, s. 724-729. ISBN 978-80-223-4711-2.
- AFD20      HORVÁTHOVÁ, Ágnes - ČURRILOVÁ, Natália - STRATILOVÁ, Barbora - FARKAŠ, Vladimír - MÁROVÁ, Ivana - STRATILOVÁ, Eva. Testovanie inhibičného účinku komerčných antifungálnych látok na transglykozylázy *Candida albicans* Phr1 a Phr2. In *Študentská vedecká konferencia PriF UK 2020 : zborník recenzovaných príspevkov*. Editori: Eva Viglašová, Mária Kondeková, Táňa Sebechlebská, Dagmara Gajanová Recenzenti: členovia odborného výboru. - Bratislava : Univerzita Komenského v Bratislave, Prírodovedecká fakulta MS TEAMS, 2020, s. 671-676. ISBN 978-80-223-5032-7.
- AFD21      HORVÁTHOVÁ, Ágnes - STRATILOVÁ, Barbora - PIPIKOVÁ, Jana - STRATILOVÁ, Eva - VADKERTIOVÁ, Renáta. Validácia vybraných kmeňov Zbierky kultúr kvasiniek (CCY) metódou hmotnostnej spektrometrie. In *Študentská vedecká konferencia PriF UK 2021 : zborník recenzovaných príspevkov*. Editori: Eva Viglašová, Mária Chovancová, Táňa Sebechlebská, Dagmara Gajanová. Recenzenti: členovia odborného výboru. - Bratislava : Univerzita Komenského v Bratislave, Prírodovedecká fakulta MS TEAMS, 2021, s. 604-609. ISBN 978-80-223-5132-4.
- AFD22      HORVÁTHOVÁ, Ágnes - FARKAŠ, Vladimír. Vplyv chitooligosacharidov na bunkovú stenu kvasiniek *Saccharomyces cerevisiae*. In *Študentská vedecká konferencia PriF UK 2021 : zborník recenzovaných príspevkov*. Editori: Eva Viglašová, Mária Chovancová, Táňa Sebechlebská, Dagmara Gajanová. Recenzenti: členovia odborného výboru. - Bratislava : Univerzita Komenského v Bratislave, Prírodovedecká fakulta MS TEAMS, 2021, s. 598-603. ISBN 978-80-223-5132-4.
- AFD23      HORVÁTHOVÁ, Ágnes - VADKERTIOVÁ, Monika - VYŠEHRADSKÁ, Laura - ČURILLOVÁ, Natália - STRATILOVÁ, Barbora - DUDÁŠOVÁ, Hana. Využitie MALDI-TOF analýzy pri identifikácii kvasiniek osídľujúcich rôzne



prostredia. In *Študentská vedecká konferencia PriF UK 2018 : zborník recenzovaných príspevkov*. Editori: Michal Galamboš, Eva Viglašová, Vladimíra Džugasová, Andrea Ševčovičová, Adela Bobovská. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2018, s. 864-869. ISBN 978-80-223-4517-0.

AFD24        HRICOVÍNIOVÁ, Jana - GÁBELOVÁ, Alena - HRICOVÍNIOVÁ, Zuzana - KOZICS, Katarína. An insight into biological activities of new series of quinazolinones: structure-activity relationship study. In *Genetic toxicology and cancer prevention : Bilateral Czech and Slovak Workshop*. Editors: Alena Gábelová, Monika Šramková. - Bratislava : Cancer Research Institute, Biomedical Research Center of the Slovak Academy of Sciences, 2019, p. 47-51. ISBN 978-80-972247-4-5.

AFD25        HRICOVÍNIOVÁ, Jana\*\* - KOZICS, Katarína - HRICOVÍNIOVÁ, Zuzana. Cytotoxicity screening and antioxidant ability of C-2/N-3 differently substituted quinazolinone derivatives. In *Študentská vedecká konferencia PriF UK 2020 : zborník recenzovaných príspevkov*. Editori: Eva Viglašová, Mária Kondeková, Táňa Sebechlebská, Dagmara Gajanová Recenzenti: členovia odborného výboru. - Bratislava : Univerzita Komenského v Bratislave, Prírodovedecká fakulta MS TEAMS, 2020, s. 220-225. ISBN 978-80-223-5032-7.

AFD26        HRICOVÍNIOVÁ, Jana - KOZICS, Katarína - HRICOVÍNIOVÁ, Zuzana. Evaluation of antioxidant potential and in vitro cytotoxicity of new quinazolinone derivatives. In *Študentská vedecká konferencia PriF UK 2019: Zborník recenzovaných príspevkov, 9. apríl 2019, Bratislava*. Editori Michal Galamboš, Vladimíra Džugasová, Andrea Ševčovičová, Adela Bobovská. - Bratislava : Univerzita Komenského vo Vydavateľstve UK, 2019, s. 221-226. ISBN 978-80-223-4711-2.

AFD27        HURAN, Jozef - BOHÁČEK, Pavol - SASINKOVÁ, Vlasta - KLEINOVÁ, Angela - KOBZEV, A.P. - KOVÁČOVÁ, Eva - SEKÁČOVÁ, Mária - ARBET, Juraj. Amorphous silicon carbide films wit wide range of phosphorus concentration: Structural and electrical properties. In *Proceedings of ADEPT 6th International Conference on Advances in Electronic and Photonic Technologies, Tatranská Lomnica, High Tatras, Slovakia, June 18-21, 2018*. - Bratislava : Institute of Electronics and Photonics, FEI STU in Bratislava, 2018, p. 216-219. ISBN 978-80-554-1450-8.

AFD28        HURAN, Jozef - BALALYKIN, Nikolay I. - HAŠČÍK, Štefan - FESHCHENKO, A.A. - KOBZEV, A.P. - SASINKOVÁ, Vlasta - KLEINOVÁ, Angela - ARBET, Juraj. Dry etching of phosphorus doped SiC thin films prepared by PECVD technology for transmission photocathode. In *ADEPT 2016 : Proceedings of the 4th International Conference on Advances in Electronic and Photonic Technologies, held in Tatranská Lomnica, High Tatras, Slovakia, June 20-23, 2016*. Eds. J. Kováč, jr. et al. - Žilina : University of Žilina, 2016, p. 35-38. ISBN 978-80-554-1226-9.

AFD29        HURAN, Jozef - BALALYKIN, Nikolay I. - SKRYPNIK, A.P. - SASINKOVÁ, Vlasta - NOZDRIN, Mikhail A. - KOVÁČOVÁ, Eva - SHIRKOV,

G.D. Electron beam-plasma vacuum deposition of very thin carbon films on quartz. In *Proceedings of ADEPT 2021 : 9th International Conference on Advances in Electronic and Photonic Technologies, Podbanské, High Tatras, Slovakia*. Eds. D. Jandura, P. Maniaková, I. Lettrichová, J. Kováč, jr. - Žilina : Univ. Zilina in EDIS-Publishing Centre of UZ, 2021, p. 13-16. ISBN 978-80-554-1806-3.

- AFD30 HURAN, Jozef - BALALYKIN, Nikolay Y. - NOZDRIN, Mikhail A. - SASINKOVÁ, Vlasta - KLEINOVÁ, Angela - KOBZEV, Alexander P. - KOVÁČOVÁ, Eva - LAURENČÍKOVÁ, Agáta - ARBET, Juraj. Electron emission from N-doped carbon-based very thin films prepared by reactive magnetron sputtering. In *Proceedings of ADEPT 6th International Conference on Advances in Electronic and Photonic Technologies, Tatranská Lomnica, High Tatras, Slovakia, June 18-21, 2018*. - Bratislava : Institute of Electronics and Photonics, FEI STU in Bratislava, 2018, p. 13-16. ISBN 978-80-554-1450-8.
- AFD31 HURAN, Jozef - BOHÁČEK, Pavol - KLEINOVÁ, Angela - SASINKOVÁ, Vlasta - KOBZEV, A.P. - ARBET, Juraj - KOVÁČOVÁ, Eva - SEKÁČOVÁ, Mária. PECVD silicon carbide films for electromagnetic energy absorption in the 0.1-2.0THz frequency range. In *ADEPT 2017 : proceedings of the 5th International Conference on Advances in Electronic and Photonic Technologies, Podbanské, High Tatras, Slovakia, June 19-22, 2017*. Eds. I. Lettrichová et al. - Žilina : University of Žilina, 2017, p. 203-206. ISBN 978-80-554-1342-6.
- AFD32 HURAN, Jozef - BOHÁČEK, Pavol - HRUBČÍN, Ladislav - SASINKOVÁ, Vlasta - KLEINOVÁ, Angela - MIKOLÁŠEK, M. - KOBZEV, A.P. - KOVÁČOVÁ, Eva - ARBET, Juraj. PECVD silicon carbide thin films for harsh environment applications. In *ADEPT 2017 : proceedings of the 5th International Conference on Advances in Electronic and Photonic Technologies, Podbanské, High Tatras, Slovakia, June 19-22, 2017*. Eds. I. Lettrichová et al. - Žilina : University of Žilina, 2017, p. 215-218. ISBN 978-80-554-1342-6.
- AFD33 HURAN, Jozef - BALALYKIN, Nikolay I. - SASINKOVÁ, Vlasta - NOZDRIN, Mikhail A. - KOVÁČOVÁ, Eva - KOBZEV, A.P. - KLEINOVÁ, Angela - SHIRKOV, G.D. Photo-induced electron emission at different electric field of nanostructured carbon thin film based transmission photocathodes. In *KOVÁČ, Jaroslav, jr. - CHYMO, Filip - FEILER, Martin - JANDURA, Daniel (eds.). Proceedings of the International Conference on Advances in Electronic and Photonic Technologies : ADEPT 2020, September 14-17, 2020, Nový Smokovec, Slovakia. Žilina*. - Slovakia : University of Zilina in EDIS-Publishing Centre of UZ, 2020, p. 29-32. ISBN 978-80-554-1735-6.
- AFD34 HURAN, Jozef - BALALYKIN, Nikolay I. - KOVÁČOVÁ, Eva - NOZDRIN, Mikhail A. - SASINKOVÁ, Vlasta - KLEINOVÁ, Angela - KOBZEV, A.P. - LAURENČÍKOVÁ, Agáta. Photo-induced electron emission properties of N-doped carbon-based very thin films. In *ASDAM 2018 : The Twelfth International Conference on Advanced Semiconductor Devices and Microsystems*. Editors: J. Breza, D. Donoval, E. Vavrinsky. - IEEE, 2018, p. 65-68. ISBN 978-1-5386-7488-8. Dostupné na: <https://doi.org/10.1109/ASDAM.2018.8544605>

- AFD35 HURAN, Jozef - BALALYKIN, Nikolay I. - SASINKOVÁ, Vlasta - NOZDRIN, Mikhail A. - KOVÁČOVÁ, Eva - KOBZEV, A.P. - KLEINOVÁ, Angela. Raman spectroscopy study of carbon-based very thin films prepared by magnetron sputtering. In *ADEPT 2019 : 7th International Conference on Advances in Electronic and Photonic Technologies*. Editors: D. Jandura, Ľ. Šušlik, P. Urbancová, J. Kováč Jr. - Žilina, Slovakia : University of Žilina, 2019, p. 285-288. ISBN 978-80-554-1568-0.
- AFD36 HURAN, Jozef - HRUBČÍN, Ladislav - BOHÁČEK, Pavol - SKURATOV, V.A. - KLEINOVÁ, Angela - SASINKOVÁ, Vlasta - KOBZEV, A.P. - KOVÁČOVÁ, Eva. The effect of Xe ion irradiation on the properties of SiC(P) and SiC(B) film prepared by PECVD technology. In *ADEPT 2019 : 7th International Conference on Advances in Electronic and Photonic Technologies*. Editors: D. Jandura, Ľ. Šušlik, P. Urbancová, J. Kováč Jr. - Žilina, Slovakia : University of Žilina, 2019, p. 155-158. ISBN 978-80-554-1568-0.
- AFD37 JAKUBČINOVÁ, Jana - BARÁTH, Marek. Fosforylácia vybraných 2-tiofuranóz. In *Študentská vedecká konferencia PriF UK 2019: Zborník recenzovaných príspevkov, 9. apríl 2019, Bratislava*. Editori Michal Galamboš, Vladimíra Džugasová, Andrea Ševčovičová, Adela Bobovská. - Bratislava : Univerzita Komenského vo Vydavateľstve UK, 2019, s. 753-757. ISBN 978-80-223-4711-2.
- AFD38 JAKUBČINOVÁ, Jana - BARÁTH, Marek. O-sulphation of different substituted 2-thio-fructofuranoses. In *Študentská vedecká konferencia PriF UK 2019: Zborník recenzovaných príspevkov, 9. apríl 2019, Bratislava*. Editori Michal Galamboš, Vladimíra Džugasová, Andrea Ševčovičová, Adela Bobovská. - Bratislava : Univerzita Komenského vo Vydavateľstve UK, 2019, s. 748-752. ISBN 978-80-223-4711-2.
- AFD39 JAKUBČINOVÁ, Jana - BARÁTH, Marek - HIRSCH, Ján - TVAROŠKA, Igor. Potenciálne inhibítory ľudských glykozyltransferáz. In *Študentská vedecká konferencia PriF UK 2018 : zborník recenzovaných príspevkov*. Editori: Michal Galamboš, Eva Viglašová, Vladimíra Džugasová, Andrea Ševčovičová, Adela Bobovská. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2018, s. 888-892. ISBN 978-80-223-4517-0.
- AFD40 JAKUBČINOVÁ, Jana - BARÁTH, Marek. Príprava prekurzorov inhibítorov glykozyltransferáz. In *Študentská vedecká konferencia PriF UK 2017, Bratislava, 26.apríl*. - Bratislava : Univerzita Komenského v Bratislave, 2017, p. 968-972. ISBN 978-80-223-4310-7.
- AFD41 JURČÍK, Ján - SIVÁKOVÁ, Barbara - BARÁTH, Peter - ČIPÁK, Ľuboš. Quantitative phosphoproteomic analysis of CDC2 kinase substrates. In *Fakulta chemickej a potravinárskej technológie STU. Chémia a technológia pre život : 21. celoslovenská študentská vedecká konferencia s medzinárodnou účasťou*. Editori: Milena Reháková, Juraj Oravec. - Bratislava : Slovenská chemická knižnica, 2019, s. 329-330. ISBN 978-80-8208-015-8.

- AFD42      JURČÍK, Matúš - BORBOVÁ, Marianna - RUBINTOVÁ, Veronika - MIKOLÁŠKOVÁ, Barbora - ČIPÁKOVÁ, Ingrid - BELLOVÁ, Jana - BARÁTH, Peter - ČIPÁK, Ľuboš. Identification of G-patch RNA-binding protein interaction partners. In *Študentská vedecká konferencia PriF UK 2018 : zborník recenzovaných príspevkov*. Editor Michal Galamboš, Eva Viglašová, Vladimíra Džugasová, Andrea Ševčovičová, Adela Bobovská ; rec. Alžbeta Blehová, Silvia Bodoríková. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2018, s. 272-277. ISBN 978-80-223-4517-0.
- AFD43      KALNÍK, Martin\*\* - ZAJÍČKOVÁ, Mária - ŠESTÁK, Sergej - KOŮŠ, Miroslav. Synthesis and biochemical evaluation of mannostatin A analogues. In *Študentská vedecká konferencia PriF UK 2021 : zborník recenzovaných príspevkov*. Editori: Eva Viglašová, Mária Chovancová, Táňa Sebechlebská, Dagmara Gajanová. Recenzenti: členovia odborného výboru. - Bratislava : Univerzita Komenského v Bratislave, Prírodovedecká fakulta MS TEAMS, 2021, s. 622-627. ISBN 978-80-223-5132-4.
- AFD44      KAMENICKÁ, Viktória - KOLLÁROVÁ, Karin - VATEHOVÁ, Zuzana - LIŠKOVÁ, Desana. Galaktoglukomanánové oligosacharidy a ich pôsobenie v jednoklíčnolistových rastlinách. In *Študentská vedecká konferencia PriF UK 2016. Zborník recenzovaných príspevkov. 27. apríl 2016, Bratislava, Slovakia*. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2016, p. 307-312. ISBN 978-80-223-4103-5.
- AFD45      KAMENICKÁ, Viktória - KOLLÁROVÁ, Karin - VATEHOVÁ, Zuzana - LIŠKOVÁ, Desana. Ochranný účinok galaktoglukomanánových oligosacharidov na rast rastlín v kontaminovanom prostredí. In *Študentská vedecká konferencia PriF UK 2017 : zborník recenzovaných príspevkov, 26. apríl 2017*. Editori M. Galamboš, V. Džugalová, A. Ševčovičová, A. Bobovská. - Bratislava : Univerzita Komenského v Bratislave, 2017, s. 281-286. ISBN 978-80-223-4310-7.
- AFD46      KAMENICKÁ, Viktória - KOLLÁROVÁ, Karin - VATEHOVÁ, Zuzana - LIŠKOVÁ, Desana. Vplyv galaktoglukomanánových oligosacharidov na diferenciáciu xylému a apoplazmických bariér. In *Študentská vedecká konferencia PriF UK 2017 : zborník recenzovaných príspevkov, 26. apríl 2017*. Editori M. Galamboš, V. Džugalová, A. Ševčovičová, A. Bobovská. - Bratislava : Univerzita Komenského v Bratislave, 2017, s. 287-292. ISBN 978-80-223-4310-7.
- AFD47      KAPOOR, Sonam - NEMČOVIČ, Marek - PAKANOVÁ, Zuzana - RAČKOVÁ, Lucia - BRNOLIAKOVÁ, Zuzana. Glycoprofiling in rats as a possible tool to model different pharmacological approaches. In *Študentská vedecká konferencia PriF UK 2021 : zborník recenzovaných príspevkov*. Editori: Eva Viglašová, Mária Chovancová, Táňa Sebechlebská, Dagmara Gajanová. Recenzenti: členovia odborného výboru. - Bratislava : Univerzita Komenského v Bratislave, Prírodovedecká fakulta MS TEAMS, 2021, s. 634-639. ISBN 978-80-223-5132-4.
- AFD48      KOSZAGOVÁ, Romana, Repiská\*\* - BELKOVÁ, Martina - NAHÁLKA, Jozef. Mangánové kovové častice - alternatívny imobilizačný materiál. In *Študentská vedecká konferencia PriF UK 2021 : zborník recenzovaných príspevkov*. Editori: Eva Viglašová, Mária Chovancová, Táňa Sebechlebská, Dagmara Gajanová.

Recenzenti: členovia odborného výboru. - Bratislava : Univerzita Komenského v Bratislave, Prírodovedecká fakulta MS TEAMS, 2021, s. 645-650. ISBN 978-80-223-5132-4.

- AFD49        KOSZAGOVÁ, Romana, Repiská - NAHÁLKA, Jozef. Recyklácia aktívnych inklúzných teliesok: centrifugácia verzus magnetická modifikácia. In *Študentská vedecká konferencia PriF UK 2019: Zborník recenzovaných príspevkov, 9. apríl 2019, Bratislava*. Editori Michal Galamboš, Vladimíra Džugasová, Andrea Ševčovičová, Adela Bobovská. - Bratislava : Univerzita Komenského vo Vydavateľstve UK, 2019, s. 779-784. ISBN 978-80-223-4711-2.
- AFD50        KOSZAGOVÁ, Romana, Repiská - NAHÁLKA, Jozef. Recyklovanie aktívnych inklúzných teliesok pomocou magnetických častíc. In *Študentská vedecká konferencia PriF UK 2018 : zborník recenzovaných príspevkov*. Editor Michal Galamboš, Eva Viglašová, Vladimíra Džugasová, Andrea Ševčovičová, Adela Bobovská ; rec. Alžbeta Blehová, Silvia Bodoríková. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2018, s. 1034-1039. ISBN 978-80-223-4517-0.
- AFD51        KUSÁ, Zuzana - KOLLÁROVÁ, Karin - VATEHOVÁ, Zuzana - LIŠKOVÁ, Desana. Odpoveď protoplastov kukurice na abiotický stres. In *Študentská vedecká konferencia PriF UK 2016. Zborník recenzovaných príspevkov. 27. apríl 2016, Bratislava, Slovakia*. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2016, p. 381-386. ISBN 978-80-223-4103-5.
- AFD52        KUSÁ, Zuzana - KOLLÁROVÁ, Karin - VATEHOVÁ, Zuzana - LIŠKOVÁ, Desana. Životaschopnosť protoplastov kukurice v abiotickom strese. In *Študentská vedecká konferencia PriF UK 2017 : zborník recenzovaných príspevkov, 26. apríl 2017*. Editori M. Galamboš, V. Džugalová, A. Ševčovičová, A. Bobovská. - Bratislava : Univerzita Komenského v Bratislave, 2017, s. 403-408. ISBN 978-80-223-4310-7.
- AFD53        LABANCOVÁ, Eva - KOLLÁROVÁ, Karin - ŠÍPOŠOVÁ, Kristína - VADKERTIOVÁ, Renáta - LIŠKOVÁ, Desana. Do yeasts have a plant-growth promoting effect? In *Študentská vedecká konferencia PriF UK 2019: Zborník recenzovaných príspevkov, 9. apríl 2019, Bratislava*. Editori Michal Galamboš, Vladimíra Džugasová, Andrea Ševčovičová, Adela Bobovská. - Bratislava : Univerzita Komenského vo Vydavateľstve UK, 2019, s. 338-343. ISBN 978-80-223-4711-2.
- AFD54        LABANCOVÁ, Eva - KOLLÁROVÁ, Karin. Pretreatment with Cd increases poplar callus tolerance. In *Celoslovenská študentská vedecká konferencia : zborník prác Aplikované prírodné vedy 2019*. Editor: Martin Valica. - Trnava : Univerzita sv. Cyrila a Metoda v Trnave, 2019, s. 179-184. ISBN 978-80-8105-994-0.
- AFD55        LABANCOVÁ, Eva - KOLLÁROVÁ, Karin - VATEHOVÁ, Zuzana - LIŠKOVÁ, Desana. The Cd<sup>2+</sup> tolerance motive of poplar callus is modified by the presence of Si in the cultivation medium. In *Študentská vedecká konferencia PriF UK 2018 : zborník recenzovaných príspevkov*. Editori Michal Galamboš, Eva Viglašová, Vladimíra Džugasová, Andrea Ševčovičová, Adela Bobovská ;

recenzenti Alžbeta Blehová, Silvia Bodoríková. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2018, s. 361-366. ISBN 978-80-223-4517-0.

- AFD56      LABANCOVÁ, Eva - SOUKUP, Milan - ŠVUBOVÁ, Renáta - SLOVÁKOVÁ, Ľudmila. The formation of phytoliths in sorghum roots under different pH conditions. In *Študentská vedecká konferencia PriF UK 2017 : zborník recenzovaných príspevkov*, 26. apríl 2017. Editori M. Galamboš, V. Džugalová, A. Ševčovičová, A. Bobovská. - Bratislava : Univerzita Komenského v Bratislave, 2017, s. 421-426. ISBN 978-80-223-4310-7.
- AFD57      LABANCOVÁ, Eva - KOLLÁROVÁ, Karin - VATEHOVÁ, Zuzana - LIŠKOVÁ, Desana. Vplyv kremíka v rôznych koncentráciách na rast kalusov topol'a kultivovaných s prídavkom kadmia. In *Študentská vedecká konferencia PriF UK 2017 : zborník recenzovaných príspevkov*, 26. apríl 2017. Editori M. Galamboš, V. Džugalová, A. Ševčovičová, A. Bobovská. - Bratislava : Univerzita Komenského v Bratislave, 2017, s. 415-420. ISBN 978-80-223-4310-7.
- AFD58      LENHARTOVÁ, Simona\*\* - NEMČOVIČ, Marek - ŠKRABANA, Rostislav - NEMČOVIČOVÁ, Ivana. Molecular characterization of human CD160 participating in HCMV-targeted NK cell signaling pathways. In *Študentská vedecká konferencia PriF UK 2020 : zborník recenzovaných príspevkov*. Editori: Eva Viglašová, Mária Kondeková, Táňa Sebechlebská, Dagmara Gajanová Recenzenti: členovia odborného výboru. - Bratislava : Univerzita Komenského v Bratislave, Prírodovedecká fakulta MS TEAMS, 2020, s. 315-319. ISBN 978-80-223-5032-7.
- AFD59      LUKÁČOVÁ, Veronika - PAKANOVÁ, Zuzana - SIVÁKOVÁ, Barbara - BELLOVÁ, Jana - NEMČOVIČ, Marek - BARÁTH, Peter. Identification of potential cancer biomarkers in microvesicles by mass spectrometry. In *Študentská vedecká konferencia PriF UK 2020 : zborník recenzovaných príspevkov*. Editori: Eva Viglašová, Mária Kondeková, Táňa Sebechlebská, Dagmara Gajanová Recenzenti: členovia odborného výboru. - Bratislava : Univerzita Komenského v Bratislave, Prírodovedecká fakulta MS TEAMS, 2020, s.717-722. ISBN 978-80-223-5032-7.
- AFD60      MIKOLÁŠKOVÁ, Barbora - BARÁTH, Peter - KRETOVÁ, Miroslava - HRCKOVA TURNOVA, Evelina - DUDÁŠ, Andrej - ČIPÁK, Ľuboš. Identification of a novel function of casein kinase II as a splicing regulator. In *Študentská vedecká konferencia PriF UK 2017, Bratislava, 26.apríl*. - Bratislava : Univerzita Komenského v Bratislave, 2017, s. 519-524. ISBN 978-80-223-4310-7.
- AFD61      PAKANOVÁ, Zuzana - BARÁTH, Peter - ZIBUROVÁ, Jana - ŠESTÁK, Sergej - BEHÚLOVÁ, Darina - ŠALINGOVÁ, Anna - HLAVATÁ, Anna - MUCHA, Ján. Isolation and characterization of serum transferrin: a biomarker for clinical monitoring of N-glycan biosynthesis. In *Študentská vedecká konferencia PriF UK 2016 : zborník recenzovaných príspevkov*. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2016, s. 1098-1103. ISBN 978-80-223-4103-5.

- AFD62      PANČÍK, Filip - PAKANOVÁ, Zuzana - ŠIMKOVIC, Ivan - KOZMON, Stanislav - BARÁTH, Peter. MALDI TOF analýza hydrolyzátov morských rias. In *Študentská vedecká konferencia PriF UK 2020 : zborník recenzovaných príspevkov*. Editori: Eva Viglašová, Mária Kondeková, Táňa Sebechlebská, Dagmara Gajanová. Recenzenti: členovia odborného výboru. - Bratislava : Univerzita Komenského v Bratislave, Prírodovedecká fakulta MS TEAMS, 2020, s. 757-762. ISBN 978-80-223-5032-7.
- AFD63      PANČÍK, Filip - PAKANOVÁ, Zuzana - MEČÁROVÁ, Jana - ČÍŽOVÁ, Alžbeta - BYSTRICKÝ, Slavomír - KOZMON, Stanislav - BARÁTH, Peter. MALDI-TOF/TOF analýzy sacharidových zložiek lipopolysacharidu z baktérie *Vibrio Cholerae* O 139. In *ChemZi*. - Bratislava : Slovenská chemická spoločnosť, 2019, 2021, roč. 17, č. 1, s. 184-185, art. no. 2Po11. ISSN 1336-7242.
- AFD64      PANČÍK, Filip - PAKANOVÁ, Zuzana - ŠALINGOVÁ, Anna - HLAVATÁ, Anna - NEMČOVIČ, Marek - KOZMON, Stanislav - BARÁTH, Peter. Non-invasive diagnostics of MPS IIIA. In *Študentská vedecká konferencia PriF UK 2021 : zborník recenzovaných príspevkov*. Editori: Eva Viglašová, Mária Chovancová, Táňa Sebechlebská, Dagmara Gajanová. Recenzenti: členovia odborného výboru. - Bratislava : Univerzita Komenského v Bratislave, Prírodovedecká fakulta MS TEAMS, 2021, s. 715-720. ISBN 978-80-223-5132-4.
- AFD65      PAPRČKOVÁ, Darina - BERTÓK, Tomáš - CHOCHOLOVÁ, Erika - TKÁČ, Ján. Príprava lektínových biosenzorov pre medicínsku diagnostiku. In *Študentská vedecká konferencia PriF UK 2016 : zborník recenzovaných príspevkov*. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2016, s. 527-532. ISBN 978-80-223-4103-5.
- AFD66      REMEŠ, Zdeněk\*\* - BURYI, Maksym - SHARMA, Dhananjay K. - KROMKA, Alexander - POTOCKÝ, Štěpán - SHAGIEVA, Ekaterina - PORUBA, Aleš - MIČOVÁ, Júlia. Surface treatment of ZnO microrods by the inductively coupled hydrogen plasma with self-biased holder. In *Proceedings of ADEPT 2021 : 9th International Conference on Advances in Electronic and Photonic Technologies, Podbanské, High Tatras, Slovakia*. Eds. D. Jandura, P. Maniaková, I. Lettrichová, J. Kováč, jr. - Žilina : Univ. Žilina in EDIS-Publishing Centre of UZ, 2021, p. 37-40. ISBN 978-80-554-1806-3.
- AFD67      SAMEK, Oto - HARONIKOVÁ, Andrea - JEŽEK, Jan - BERNATOVÁ, Silvie - MÁROVÁ, Ivana - BREIEROVÁ, Emília - ŠERÝ, Mojmir - ŠILER, Martin - ZEMÁNEK, Pavel. Raman spectroscopy to monitor the effects of temperature regime and medium composition on micro-organism growth. In *Proceedings of SPIE - The International Society for Optical Engineering : September 5-9, 2016, Jasná, Slovakia*. - Bellingham : International Society Optical Engineering, 2016, vol. 10142, art. no. 101420B. ISSN 0277-786X. Dostupné na: <https://doi.org/10.1117/12.2263378>
- AFD68      SELICKÝ, Tomáš\*\* - ČIPÁKOVÁ, Ingrid - SIVÁKOVÁ, Barbara - BELLOVÁ, Jana - BARÁTH, Peter - ČIPÁK, Ľuboš. Identification of novel spliceosome-associated factors. In *Študentská vedecká konferencia PriF UK 2020 : zborník recenzovaných príspevkov*. Editori: Eva Viglašová, Mária Kondeková, Táňa

Sebechlebská, Dagmara Gajanová Recenzenti: členovia odborného výboru. - Bratislava : Univerzita Komenského v Bratislave, Prírodovedecká fakulta MS TEAMS, 2020, s. 519-523. ISBN 978-80-223-5032-7.

- AFD69      STRATILOVÁ, Barbora - ŘEHULKA, Pavel - KOVÁČOVÁ, Kristína - ŠESTÁK, Sergej. Analýza reakčných produktov enzýmu xyloglukán endotransglykozyláza hmotnostnou spektrometriou. In *Študentská vedecká konferencia PriF UK 2016 : zborník recenzovaných príspevkov*. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2016, s. 1186-1191. ISBN 978-80-223-4103-5.
- AFD70      STRATILOVÁ, Barbora - KOZMON, Stanislav. Analýza stability reakčného komplexu xyloglukánendotransglykozyláza (XET) - donor - akceptor dokovaním substrátov do aktívneho miesta enzýmu a simuláciami molekulovou dynamikou. In *Študentská vedecká konferencia PriF UK 2018 : zborník recenzovaných príspevkov*. Editori: Michal Galamboš, Eva Viglašová, Vladimíra Džugasová, Andrea Ševčovičová, Adela Bobovská. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2018, s. 1064-1069. ISBN 978-80-223-4517-0.
- AFD71      STRATILOVÁ, Barbora - HORVÁTHOVÁ, Ágnes - STRATILOVÁ, Eva - KOZMON, Stanislav. Biochemická charakterizácia foriem xyloglukánendotransglykozylázy HvXET3 a HvXET4 z *Hordeum vulgare*. In *Študentská vedecká konferencia PriF UK 2020 : zborník recenzovaných príspevkov*. Editori: Eva Viglašová, Mária Kondeková, Táňa Sebechlebská, Dagmara Gajanová Recenzenti: členovia odborného výboru. - Bratislava : Univerzita Komenského v Bratislave, Prírodovedecká fakulta MS TEAMS, 2020, s. 820-825. ISBN 978-80-223-5032-7.
- AFD72      STRATILOVÁ, Barbora - KLAUDINY, Jaroslav - ŠESTÁK, Sergej. C-terminálová štruktúra dlhoreťazovej alfa-galaktozidázy kvasinky *Cryptococcus flavescens*. In *Študentská vedecká konferencia PriF UK 2017, Bratislava, 26.apríl*. - Bratislava : Univerzita Komenského v Bratislave, 2017, p. 1110-1115. ISBN 978-80-223-4310-7.
- AFD73      STRATILOVÁ, Barbora - KOZMON, Stanislav. Dimerizácia alergénu Pet c 1.0201. In *Študentská vedecká konferencia PriF UK 2016 : zborník recenzovaných príspevkov*. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2016, s. 1180-1185. ISBN 978-80-223-4103-5.
- AFD74      STRATILOVÁ, Barbora - ŠESTÁK, Sergej - KOZMON, Stanislav - HORVÁTHOVÁ, Ágnes. Potenciál enzýmu xyloglukánendotransglykozyláza (XET) katalyzovať transfer fragmentov xyloglukánu do pektínu. In *Študentská vedecká konferencia PriF UK 2018 : zborník recenzovaných príspevkov*. Editori: Michal Galamboš, Eva Viglašová, Vladimíra Džugasová, Andrea Ševčovičová, Adela Bobovská. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2018, s. 1070-1075. ISBN 978-80-223-4517-0.
- AFD75      STRATILOVÁ, Barbora - KOZMON, Stanislav. Stabilita reakčného komplexu špecifickej a nešpecifickej xyloglukánendotransglykozylázy (XET) s lineárnymi oligosacharidmi ako akceptormi transglykozylačnej reakcie. In *Študentská vedecká*



*konferencia PriF UK 2019: Zborník recenzovaných príspevkov, 9. apríl 2019, Bratislava. Editori Michal Galamboš, Vladimíra Džugasová, Andrea Ševčovičová, Adela Bobovská. - Bratislava : Univerzita Komenského vo Vydavateľstve UK, 2019, s. 949-954. ISBN 978-80-223-4711-2.*

- AFD76      STRATILOVÁ, Barbora - ŠESTÁK, Sergej - KOZMON, Stanislav. Štúdium akceptorovej špecificity enzýmu xyloglukánendotransglykozyláza (XET). In *Študentská vedecká konferencia PriF UK 2017, Bratislava, 26.apríl. - Bratislava : Univerzita Komenského v Bratislave, 2017, p. 1104-1109. ISBN 978-80-223-4310-7.*
- AFD77      STRATILOVÁ, Barbora - KOZMON, Stanislav. Štúdium interakcií N-acetylglukózaminylnyltransferázy-V (GnT-V) so substrátmi pomocou metód výpočtovej chémie. In *Študentská vedecká konferencia PriF UK 2020 : zborník recenzovaných príspevkov. Editori: Eva Viglašová, Mária Kondeková, Táňa Sebechlebská, Dagmara Gajanová Recenzenti: členovia odborného výboru. - Bratislava : Univerzita Komenského v Bratislave, Prírodovedecká fakulta MS TEAMS, 2020, s. 814-819. ISBN 978-80-223-5032-7.*
- AFD78      STRATILOVÁ, Barbora - ŠESTÁK, Sergej - HORVÁTHOVÁ, Ágnes - KOZMON, Stanislav - STRATILOVÁ, Eva. Vplyv mutácií H94Q, Q108R a K237S na špecifitu majoritnej formy xyloglukánendotransglykozylázy z *Tropaeolum majus*. In *Študentská vedecká konferencia PriF UK 2019: Zborník recenzovaných príspevkov, 9. apríl 2019, Bratislava. Editori Michal Galamboš, Vladimíra Džugasová, Andrea Ševčovičová, Adela Bobovská. - Bratislava : Univerzita Komenského vo Vydavateľstve UK, 2019, s. 943-948. ISBN 978-80-223-4711-2.*
- AFD79      STUPEŇOVÁ, Erika - JURČÍK, Ján - SIVÁKOVÁ, Barbara - BARÁTH, Peter - ČIPÁK, Ľuboš. Príprava kondičnej na ATP analógy citlivej alely esenciálnej CKA1 proteínkinázy. In *Fakulta chemickej a potravinárskej technológie STU. Chémia a technológia pre život : 21. celoslovenská študentská vedecká konferencia s medzinárodnou účasťou. Editori: Milena Reháková, Juraj Oravec. - Bratislava : Slovenská chemická knižnica, 2019, s. 313-314. ISBN 978-80-8208-015-8.*
- AFD80      ŠÍPOŠOVÁ, Kristína - HIPÍKOVÁ, Dominika - OBLOŽINSKÝ, Marek - LABANCOVÁ, Eva - KOLLÁROVÁ, Karin - VATEHOVÁ, Zuzana. Effects of auxin on shoots of maize (*Zea mays* L.) plants cultivated in the presence of cadmium. In *Študentská vedecká konferencia PriF UK 2020 : zborník recenzovaných príspevkov. Editori Eva Viglašová, Mária Kondeková, Táňa Sebechlebská, Dagmara Gajanová Recenzenti: členovia odborného výboru. - Bratislava : Univerzita Komenského v Bratislave, Prírodovedecká fakulta MS TEAMS, 2020, s. 530-535. ISBN 978-80-223-5032-7.*
- AFD81      ŠÍPOŠOVÁ, Kristína - VATEHOVÁ, Zuzana - KOLLÁROVÁ, Karin - LIŠKOVÁ, Desana. Vplyv auxínu na ukladanie suberínu a lignínu v koreňoch kukurice (*Zea mays* L.). In *Študentská vedecká konferencia PriF UK 2017 : zborník recenzovaných príspevkov, 26. apríl 2017. Editori M. Galamboš, V. Džugalová, A. Ševčovičová, A. Bobovská. - Bratislava : Univerzita Komenského v Bratislave, 2017, s. 704-709. ISBN 978-80-223-4310-7.*

- AFD82      ŠÍPOŠOVÁ, Kristína\*\* - HIPÍKOVÁ, Dominika - LABANCOVÁ, Eva - OBLOŽINSKÝ, Marek - KOLLÁROVÁ, Karin - VIVODOVÁ, Zuzana. Vplyv auxínu na aktivitu antioxidantných enzýmov v nadzemných častiach kukurice satej (*Zea mays* L.) rastúcich v prítomnosti kadmia. In *Študentská vedecká konferencia PriF UK 2021 : zborník recenzovaných príspevkov*. Editori Eva Viglašová, Mária Chovancová, Táňa Sebechlebská, Dagmara Gajanová. Recenzenti: členovia odborného výboru. - Bratislava : Univerzita Komenského v Bratislave, Prírodovedecká fakulta MS TEAMS, 2021, s. 434-439. ISBN 978-80-223-5132-4.
- AFD83      ŠÍPOŠOVÁ, Kristína - VATEHOVÁ, Zuzana - KOLLÁROVÁ, Karin - LIŠKOVÁ, Desana. Vplyv IBA na rast koreňov a nadzemných častí kukurice satej (*Zea mays* L.). In *Študentská vedecká konferencia PriF UK 2016. Zborník recenzovaných príspevkov. 27. apríl 2016, Bratislava, Slovakia*. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2016, p. 656-661. ISBN 978-80-223-4103-5.
- AFD84      ŠÍPOŠOVÁ, Kristína - LABANCOVÁ, Eva - KOLLÁROVÁ, Karin - VATEHOVÁ, Zuzana. Vplyv kyseliny indolyl-3-maslovej (IBA) na rast koreňov a nadzemných častí kukurice satej (*Zea mays* L.) v podmienkach abiotického stresu. In *Študentská vedecká konferencia PriF UK 2019: Zborník recenzovaných príspevkov, 9. apríl 2019, Bratislava*. Editori Michal Galamboš, Vladimíra Džugasová, Andrea Ševčovičová, Adela Bobovská. - Bratislava : Univerzita Komenského vo Vydavateľstve UK, 2019, s. 530-535. ISBN 978-80-223-4711-2.
- AFD85      ŠÍPOŠOVÁ, Kristína - VATEHOVÁ, Zuzana - KOLLÁROVÁ, Karin - LIŠKOVÁ, Desana. Vplyv kyseliny indolyl-3-maslovej na zloženie bunkových stien koreňa kukurice satej (*Zea mays* L.). In *Študentská vedecká konferencia PriF UK 2018 : zborník recenzovaných príspevkov*. Editori: Michal Galamboš, Eva Viglašová, Vladimíra Džugasová, Andrea Ševčovičová, Adela Bobovská. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2018, s. 620-624. ISBN 978-80-223-4517-0.
- AFD86      ŠÍPOŠOVÁ, Kristína\*\* - HAČKULIČOVÁ, Diana - STRATILOVÁ, Barbora - LABANCOVÁ, Eva - VIVODOVÁ, Zuzana - KOLLÁROVÁ, Karin. Zmeny v aktivite peroxidáz viazaných na bunkovú stenu kukurice pod vplyvom auxínu a kadmia. In *Študentská vedecká konferencia PriF UK 2021 : zborník recenzovaných príspevkov*. Editori Eva Viglašová, Mária Chovancová, Táňa Sebechlebská, Dagmara Gajanová. Recenzenti: členovia odborného výboru. - Bratislava : Univerzita Komenského v Bratislave, Prírodovedecká fakulta MS TEAMS, 2021, s. 428-433. ISBN 978-80-223-5132-4.
- AFD87      UHĽIARIKOVÁ, Iveta - MATULOVÁ, Mária - CEPÁK, Vladimír - LUKAVSKÝ, Jaroslav - CAPEK, Peter. Biopolyméry produkované sladkovodnými cyanobaktériami. In *Študentská vedecká konferencia PriF UK 2017 : zborník recenzovaných príspevkov, 26. apríl 2017*. Editori M. Galamboš, V. Džugalová, A. Ševčovičová, A. Bobovská. - Bratislava : Univerzita Komenského v Bratislave, 2017, p. 1133-1137. ISBN 978-80-223-4310-7.
- AFD88      UHĽIARIKOVÁ, Iveta - MATULOVÁ, Mária - BEHÚLOVÁ, Darina - ŠALINGOVÁ, Anna. Deficit aminoacylázy I - diagnostika pomocou NMR

spektroskopie. In *Študentská vedecká konferencia PriF UK 2018 : zborník recenzovaných príspevkov*. Editor Michal Galamboš, Eva Viglašová, Vladimíra Džugasová, Andrea Ševčovičová, Adela Bobovská ; rec. Alžbeta Blehová, Silvia Bodoriková. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2018, s. 1086-1090. ISBN 978-80-223-4517-0.

AFD89 UHLIARIKOVÁ, Iveta - MATULOVÁ, Mária - CEPÁK, Vladimír - LUKAVSKÝ, Jaromír - CAPEK, Peter. Extracelulárne biopolyméry produkované cyanobaktériami - skriningové štúdium. In *Študentská vedecká konferencia PriF UK 2018 : zborník recenzovaných príspevkov*. Editor Michal Galamboš, Eva Viglašová, Vladimíra Džugasová, Andrea Ševčovičová, Adela Bobovská ; rec. Alžbeta Blehová, Silvia Bodoriková. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2018, s. 1081-1085. ISBN 978-80-223-4517-0.

AFD90 UHLIARIKOVÁ, Iveta - MATULOVÁ, Mária - BEHÚLOVÁ, Darina - ŠALINGOVÁ, Anna. <sup>1</sup>H-NMR spektroskopia v diagnostike dedičných porúch metabolizmu. In *Študentská vedecká konferencia PriF UK 2017 : zborník recenzovaných príspevkov*, 26. apríl 2017. Editori M. Galamboš, V. Džugalová, A. Ševčovičová, A. Bobovská. - Bratislava : Univerzita Komenského v Bratislave, 2017, s. 1138-1143. ISBN 978-80-223-4310-7.

AFD91 VOJTEKOVÁ, Kristína - LABANCOVÁ, Eva - RICHTEROVÁ, Danica, Richterová - VATEHOVÁ, Zuzana - LIŠKOVÁ, Desana - KOLLÁROVÁ, Karin. Vplyv galaktoglukomannánových oligosacharidov na distribúciu a akumuláciu oxidu dusnatého v koreňoch rastlín vystavených kadmiu. In *Študentská vedecká konferencia PriF UK 2019: Zborník recenzovaných príspevkov*, 9. apríl 2019, Bratislava. Editori Michal Galamboš, Vladimíra Džugasová, Andrea Ševčovičová, Adela Bobovská. - Bratislava : Univerzita Komenského vo Vydavateľstve UK, 2019, s. 601-606. ISBN 978-80-223-4711-2.

AFD92 ZIBUROVÁ, Jana - NEMČOVIČ, Marek - PAKANOVÁ, Zuzana - BARÁTH, Peter - ŠEDIVÁ, Mária - ŠESTÁK, Sergej - ŠALINGOVÁ, Anna - BEHÚLOVÁ, Darina - MUCHA, Ján. Multiomics approach in a clinical case of suspected CDGx patient. In *Conference proceedings of the 6th Biennial International Scientific Conference Applied Natural Sciences 2017 : 27-29, September, 2017, Jasná*. - Trnava : University of SS. Cyril and Methodius, 2017, p. 40-44. ISBN 978-80-8105-548-5.

#### **AFE Abstracts of invited papers from foreign conferences**

AFE01 TKÁČ, Ján - BERTÓK, Tomáš - JÁNÉ, Eduard - HÍREŠ, Michal - LORENCOVÁ, Lenka - PINKOVÁ GAJDOŠOVÁ, Veronika - BLŠÁKOVÁ, Anna - KVĚTOŇ, Filip - HROŇČEKOVÁ, Štefánia. Analýza glykánov v diagnostike rakoviny. In *Czech Chemical Society Symposium Series. Sborník příspěvků: 72. sjezd českých a slovenských chemických společností, 6.-9. září 2020, Praha, Česká republika..* - Praha, ČR : Czech Chemical Society, 2020, roč. 18, č. 3, p. 63. PL-03. ISSN 2336-7202.

AFE02 TKÁČ, Ján - BERTÓK, Tomáš - BELICKÁ, Ľudmila, Kľuková - HUSHEGYI, András - DAMBORSKÁ, Dominika - BELICKÝ, Štefan. Biosensors with nanoscale controlled architecture applicable in glycomics and diagnostics. In

XXV. Biochemický sjezd, 13.-16.9.2016 Praha, Česká republika : Sborník přednášek a posteru, program. Marie Stiborová et al. - Praha : Venice Praha, 2016, s. 48. ISBN 978-80-270-0331-0.

- AFF03      TKÁČ, Ján - BERTÓK, Tomáš - LORENCOVÁ, Lenka - BELICKÁ, Ľudmila, Kľuková - HOLAZOVÁ, Alena - JÁNÉ, Eduard - CHOCHOLOVÁ, Erika - KVĚTOŇ, Filip - KASÁK, Peter. Lectin and glycan biosensors applied in diagnostics. In *The 43rd FEBS Congress, 7-12 July, 2018, Prague, Czech Republic*. In: *FEBS Open Bio*, 2018, vol. 8, suppl. S1, p. 46-47, abstract no. S.16-2.

**AFF Abstracts of invited papers from domestic conferences**

- AFF01      BERTÓK, Tomáš - CHOCHOLOVÁ, Erika - LORENCOVÁ, Lenka - HOLAZOVÁ, Alena - DAMBORSKÁ, Dominika - HUSHEGYI, András - KASÁK, TKÁČ, Ján. Low cost, disposable, nanostructured interfaces for glycomic studies and medical diagnostics. In *Proceedings of the 14th Bratislava Symposium on Saccharides "Glycochemistry for biology and medicine". Smolenice Castle, Slovakia, June 25-30, 2017*. Editors: Katrlík Jaroslav, Baráth Marek. - Bratislava : Institute of Chemistry SAS, 2017, iL5, p. 33. ISBN 978-80-971156-3-0.
- AFF02      FRECER, Vladimír - MIERTUŠ, Stanislav - BREN, Urban - ŠEBESTA, Radovan - HLASOVÁ, Zuzana - ONDREJOVIČ, Miroslav - KATRLÍK, Jaroslav. Design and development of potential new drugs against influenza A virus. In *Book of Abstracts: Trends and Prospects in Medicinal and Pharma Biotechnologies in Europe. Towards Strengthening Regional Cooperation Including CEE Countries, June 3-4, 2019, Trnava*. Editori: Daniela Chmelová, Ondrejovič Miroslav. - Trnava : University of SS. Cyril and Methodius in Trnava, 2019, p. 35-36. ISBN 978-80-8105-996-4.
- AFF03      KATRLÍK, Jaroslav - KRIŽÁKOVÁ, Martina, Zámorová - DAMBORSKÝ, Pavel. Development of lectin-based optical biochips and biosensors for determination of protein glycosylation. In *ACP 2016, XIV. medzinárodná konferencia: Súčasný stav a perspektívy analytickej chémie v praxi, Bratislava, 3. až 6. mája 2016*. - Bratislava : Nakladateľstvo STU, 2016, p. 41. ISBN 978-80-227-4556-7.
- AFF04      MASTIHUBA, Vladimír - KARNIŠOVÁ POTOCKÁ, Elena - MASTIHUBOVÁ, Mária. Use of glycosidases in the synthesis of phenylethanoid synthons of glycophenolics. In *ORIŇÁKOVÁ, Renáta (ed.). Book of Abstracts: New trends in chemistry - Trends in chemistry, research and education at Faculty of Sciences of P. J. Šafárik University, November 10, 2017, Košice*. Košice: Pavol Jozef Šafárik University, 2017. - Košice : Pavol Jozef Šafárik University, 2017, p. 6. ISBN 978-80-8152-553-7.
- AFF05      PETRUŠ, Ladislav - PETRUŠOVÁ, Mária - PRIBULOVÁ, Božena - SMRTIČOVÁ, Hana. Glykozylnitrometány - príprava, vlastnosti a využitie na syntézu glykomimetík. In *Kudličková Zuzana a kol. (eds.) Zborník z konferencie: 50 rokov Katedry organickej chémie, 8.-10. jún 2016, Košice, Slovensko*. - Košice : Univerzita Pavla Jozefa Šafárika, 2016, s. 14-15. ISBN 978-80-8152-428-8.

AFF06 PETRUŠ, Ladislav - PRIBULOVÁ, Božena - SMRTIČOVÁ, Hana - VLČKOVÁ, Silvia - DUJNÍČ, Viera - PETRUŠOVÁ, Mária. Toward synthesis of dodeca-cavitane, sugar-based analogue of dodecahedrane possessing a cavity for hydrogen bonding. In ORIŇAKOVÁ, Renáta (ed.). *Book of Abstracts: New trends in chemistry: Trends in chemistry, research and education at Faculty of Sciences of P. J. Šafárik University, November 9, 2018, Košice*. - Košice : Pavol Jozef Šafárik University, 2018, p. 6. ISBN 978-80-8152-666-4.

AFF07 TKÁČ, Ján - BERTÓK, Tomáš - BELICKÁ, Ľudmila, Kľuková - DAMBORSKÁ, Dominika - BELICKÝ, Štefan - KVĚTOŇ, Filip. Diagnostic potential of biosensors in medicinal biotechnology and biomedicine. In CHMELOVÁ, Daniela - ONDREJOVIČ, Miroslav (eds.). *Book of Abstracts: Smart Specialization Strategy in the Field of Biotechnologies in Europe: A Challenge for CEE Region, September 4-6, 2017, Trnava, Slovakia*. - Trnava : University of SS. Cyril and Methodius in Trnava, 2017, p. 38-39. ISBN 978-80-8105-864-6.

AFF08 TKÁČ, Ján - BERTÓK, Tomáš - LORENCOVÁ, Lenka - JÁNÉ, Eduard - HÍREŠ, Michal - KVĚTOŇ, Filip - BLŠÁKOVÁ, Anna - HRONČEKOVÁ, Štefánia - PINKOVÁ GAJDOŠOVÁ, Veronika. New biomarkers and biosensors for early detection of cancer. In CHMELOVÁ, Daniela - ONDREJOVIČ, Miroslav (eds.). *Book of Abstracts: Trends and Prospects in Medicinal and Pharma Biotechnologies in Europe. Towards Strengthening Regional Cooperation Including CEE Countries, June 3-4, 2019, Trnava, Slovakia*. - Trnava : University of Ss. Cyril and Methodius in Trnava, 2019, p. 32-33. ISBN 978-80-8105-996-4.

AFF09 TKÁČ, Ján - BERTÓK, Tomáš - LORENCOVÁ, Lenka - JÁNÉ, Eduard - HÍREŠ, Michal - HRONČEKOVÁ, Štefánia - PINKOVÁ GAJDOŠOVÁ, Veronika. Využitie glykánov v diagnostike rakoviny. In GAVURNÍKOVÁ, Gabriela (ed.). *Zborník abstraktov z konferencie Biochemické dni 2019, 21.-24. september 2019, Horný Smokovec, Slovensko*. - Bratislava : Centrum vedecko-technických informácií SR, 2019, s. 64. ISBN 978-80-89965-27-4.

#### **AFG Abstracts of papers from foreign conferences**

AFG01 AGUEDO, Juvisan - PAKANOVÁ, Zuzana - TKÁČ, Ján. MALDI-MS method for discovery of glycan biomarkers in colorectal cancer. In *Czech Chemical Society Symposium Series. Sborník příspěvků: 72. sjezd českých a slovenských chemických společností, 6.-9. září 2020, Praha, Česká republika*. - Praha, ČR : Czech Chemical Society, 2020, roč. 18, č. 3, p. 76. 1P-04. ISSN 2336-7202.

AFG02 ASHER, James Richard - HRICOVÍNI, Michal - HRICOVÍNI, Miloš. Photochemical properties of quinazolinone-derivative Schiff's bases: Anti-syn isomerisation across the N-N bond. In *XIIIth Workshop on Modern Methods in Quantum Chemistry, Mariapfarr, Austria, March 01 - 06, 2020*. - Bratislava, Slovakia : Institute of Inorganic Chemistry, Slovak Academy of Sciences, 2020, p. 8. ISBN 978-80-973578-0-1.

AFG03 BALAŠČÁKOVÁ, Marta - DUDÁŠOVÁ, Hana - VADKERTIOVÁ, Renáta. Screening of extracellular enzymatic activities and physiological properties of yeasts isolated from soil. In MLYNÁRIKOVÁ, Katarína (ed.). *Sborník: Tomáškovy dny*

2016: XXV. konference mladých mikrobiologů, 2.-3. červen 2016, Brno, Česká republika. - Brno : Masarykova Univerzita, 2016, p. 45. ISBN 978-80-2108255-7.

- AFG04 BARÁTH, Peter - NEMČOVIČ, Marek - ZIBUROVÁ, Jana - PAKANOVÁ, Zuzana - ŠESTÁK, Sergej - BELLOVÁ, Jana - ŠALINGOVÁ, Anna - TEKELYOVÁ, Alexandra - SKOKŇOVÁ, Martina - BRUCKNEROVÁ, Ingrid - ŠEBOVÁ, Claudia - MUCHA, Ján. New homozygous mutation in ALG12 gene resulted in CDG-I disorder in newborn patient. In *Glycoconjugate Journal* (Abstracts: Glyco 25: XXV International Symposium on Glycoconjugates, August 25-31, 2019, Milano, Italy. - Heidelberg : Springer, 2019, vol. 36, no. 4, p. 303. ISSN 0282-0080.
- AFG05 BELICKÝ, Štefan - DAMBORSKÁ, Dominika - PAKANOVÁ, Zuzana - MUCHA, Ján - TKÁČ, Ján. Nový prístup k diagnostike rakoviny prostaty - MALDI/OF vs. biosenzor. In *Czech Chemical Society Symposium Series*. - Praha, ČR : Czech Chemical Society, 2016, roč. 14, 1S-01, p. 179. ISSN 2336-7202.
- AFG06 BENKO, Mário - NEMČOVIČ, Marek - NEMČOVIČOVÁ, Ivana. Preliminary characterization of clinically significant cytomegalovirus UL144 glycoprotein. In *Materials Structure in Chemistry, Biology, Physics and Technology*, 2018, vol. 25, no. 3a, p. a47. ISSN 1211-5894.
- AFG07 BERTÓK, Tomáš - HOLAZOVÁ, Alena - LORENCOVÁ, Lenka - HUSHEGYI, András - BELICKÁ, Ľudmila, Kľuková - DAMBORSKÁ, Dominika - BELICKÝ, Štefan - CHOCHOLOVÁ, Erika - KASÁK, Peter - TKÁČ, Ján. Nanostructured interfaces and nanomaterials as a novel tool for glycan-protein interactions studies. In *XXV. Biochemický sjezd : Sborník přednášek a posteru, program*. - Praha : Venice Praha, 2016, s. 68. ISBN 978-80-270-0331-0.
- AFG08 BERTÓK, Tomáš - DAMBORSKÁ, Dominika - HOLAZOVÁ, Alena - HUSHEGYI, András - BELICKÁ, Ľudmila, Kľuková - FILIP, Jaroslav - BELICKÝ, Štefan - CHOCHOLOVÁ, Erika - KASÁK, Peter - TKÁČ, Ján. Novel analysis of glycan structures: nanoscale approach. In *Proceedings of the World Congress on Recent Advances in Nanotechnology (RAN '16), Prague 1.-2. 4. 2016*. - Praha, 2016, paper No. ICNB 103. ISBN 978-1-927877-19-7.
- AFG09 BLŠÁKOVÁ, Anna - KVĚTOŇ, Filip - LORENCOVÁ, Lenka - TKÁČ, Ján. Detection of autoantibodies against aberrant glycans present in cancer diseases. In *XXI. Workshop of Biophysical Chemists and Electrochemists*. - Brno : Masaryk University Press, 2021, p. 45. ISBN 978-80-210-9943-2.
- AFG10 BLŠÁKOVÁ, Anna - KVĚTOŇ, Filip - LORENCOVÁ, Lenka - TKÁČ, Ján. Příprava glykánových povrchů a ich aplikácie v biosenzoroch. In *Czech Chemical Society Symposium Series. Sborník příspěvků: 72. sjezd českých a slovenských chemických společností, 6.-9. září 2020, Praha, Česká republika*. - Praha, ČR : Czech Chemical Society, 2020, roč. 18, č. 3, p.77. 1P-05. ISSN 2336-7202.
- AFG11 BREIEROVÁ, Emília - ŠOLTÉSOVÁ, Dominika - STRATILOVÁ, Barbora - SASINKOVÁ, Vlasta. Analysis of yeast exoproducts related to antifungal activity of *Metschnikowia pulcherrima*. In *DZIK, Petr (ed.). Book of Abstracts: 7th Meeting on*

*Chemistry and Life 2018, September 12-14, 2018, Brno.* - Brno : Vysoké učení technické v Brně, 2018, p. 59. ISBN 978-80-214-5488-0.

- AFG12 BURYI, Maksym - BABIN, Vladimír - MIČOVÁ, Júlia - REMEŠ, Zdeněk. Influence of precursors and growth conditions on defect states in ZnO nanorods. In *Extended Abstracts Book: SURFINT-SREN VI: Progress in Applied Surface, Interface and Thin Film Science 2019, November 18-21, 2019, Florence, Italy.* - Bratislava : Comenius University, 2019, p. 18-19. ISBN 978-80-223-4811-9.
- AFG13 BURYI, Maksym - REMEŠ, Zdeněk - DĚCKÁ, Kateřina - MIČOVÁ, Júlia. Transformation of ZnO-Based Structures Under Heavy Mo Doping: Defect States and Luminescence. In *NANOCON 2021-Abstracts : 13th International Conference on Nanomaterials - Research & Application, October 20-22, 2021, Brno, Czech Republic.* - Ostrava, Czech Republic : TANGER Ltd., 2021, p. 78-79. ISBN 978-80-88365-00-6.
- AFG14 BURYI, Maksym - REMEŠ, Zdeněk - BABIN, Vladimír - VANĚČEK, Vojtěch - DRAGOUNOVÁ, Kateřina - LANDOVÁ, Lucie - MIČOVÁ, Júlia. ZnO nanorods heavily doped with Mo/Er. The effect of post-deposition treatment on defect states and luminescence. In *KOŽÍŠEK, Zdeněk - KRÁL, Robert - ZEMENOVÁ, Petra (eds.). Book of Abstracts of the 30th Joint Seminar "Development of Materials Science in Research and Education", September 7-11, 2020, Pavlov, Czech Republic.* - Prague : Institute of Physics of the Czech Academy of Sciences, 2020, p. 21. ISBN 978-80-907237-1-9.
- AFG15 DOVINOVÁ, Ima - HRABÁROVÁ, Eva - JANSEN, Eugene. ADMA production and redox status improvement in exogenous NOS inhibitor 7-NI in spontaneously hypertensive rats. In *Human health: From laboratory models to clinical studies.* - Graz : University of Graz, 2017, p. 44. ISBN 978-3-200-05266-6.
- AFG16 DOVINOVÁ, Ima - HRABÁROVÁ, Eva - JANSEN, Eugene. Exogenous NOS inhibitor 7-NI influence ADMA production and improve redox status in plasma of spontaneously hypertensive rats. In *Free Radical Biology and Medicine*, 2018, vol. 124, p. 567-568. (2017: 6.020 - IF, Q1 - JCR, 2.178 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0891-5849. Dostupné na: <https://doi.org/10.1016/j.freeradbiomed.2018.05.037>
- AFG17 FRAŇOVÁ, Lucia - PUCHART, Vladimír - BIELY, Peter. Novel spectrophotometric quantification of glucuronoyl esterase activity determined on new chromogenic substrates used in beta-glucuronidase-coupled assay. In *XXV. Biochemický sjezd : Sborník přednášek a posteru, program.* - Praha : Venice Praha, 2016, s. 69. ISBN 978-80-270-0331-0.
- AFG18 GONCHAROVA, N.V. - KHRAPOVA, M.V. - LYKOV, A.P. - KOROLENKO, E. - NEŠČÁKOVÁ, Zuzana - KOROLENKO, T.A. Hypolipidemic effect of mannan in acute lipemia in mice induced by poloxamer 407. In *Abstracts: International Academy of Cardiology Annual Scientific Sessions 2016 and 21st World Congress on Heart Disease, July 30-August 1, 2016, Boston, MA, USA.* - Boston : International Academy of Cardiology, 2016, 2016, cardiology, vol. 134, suppl. 1, abstract no. 435, p. 448. ISBN 978-3-318-05918-2.

- AFG19      HALAJ, Michal - TURJAN, Jozef - CEPÁK, Vladislav - LUKAVSKÝ, Jaromír - CAPEK, Peter. Microalgae as producers of extracellular biopolymers. In *Sborník příspěvků: 70. sjezd českých a slovenských chemiků, 9.-12. září 2018, Zlín, Česká republika. In Czech Chemical Society Symposium Series.* - Praha, ČR : Czech Chemical Society, 2018, vol. 16, p. 430. ISSN 2336-7202.
- AFG20      HAMMEROVÁ, Zuzana - HOUSER, Jozef - KOZMON, Stanislav - MISHRA, Deepti C. - WIMMEROVÁ, Michaela - KOČA, Jaroslav. Interactions of carbohydrate and aromatic amino acid in protein binding sites. In *FEBS Open Bio (Supplement: 44th FEBS Congress, From Molecules to Living Systems).* - Krakow, Poland, 2019, vol. 9, suppl. 1, p. 251-252. ISSN 2211-5463.
- AFG21      HLASOVÁ, Zuzana - MIERTUŠ, Stanislav - ONDREJOVIČ, Miroslav - KATRLÍK, Jaroslav. Lectin-based method for evaluation of neuraminidase activity and its inhibitor. In *ŘÁPKOVÁ, Radmila - FUSEK, Martin - DRAŠAR, Pavel (eds.). Lectin-based method for evaluation of neuraminidase activity and its inhibitors. In: Czech Chemical Society Symposium Series. XIX. Interdisciplinary Meeting of Young Biologists, Biochemists and Chemists, May 20 - 23, 2019, Devět Skal, Milovy, Czech Republic.* - Praha : Česká společnost chemická, 2019, 2019, roč. 17, č. 1, s. 11-12. ISSN 2336-7202.
- AFG22      HOMOLA, Tomáš - SHEKARGOFTAR, Masoud - VIDA, Július - POSPÍŠIL, Jan - DZIK, Petr - GEMEINER, Pavol - LORENCOVÁ, Lenka - LEVCHUK, Irina. Nano- and bio-applications of plasma to the rapid manufacture of flexible and printed electronics. In *KOVÁČIK, Dušan - SIHELNÍK, Slavomír - ŠTĚPÁNOVÁ, Vlasta - KRUMPOLEC, Richard (eds.). Scientific Program & Book of Abstracts: 1st Plasma for Nanotechnology and Bioapplications Workshop, December 8-10, 2019, Telč, Czech Republic.* - Brno : Masaryk University, 2019, p. 34-35. ISBN 978-80-210-9486-4.
- AFG23      HORVÁTHOVÁ, Ágnes - ČURILLOVÁ, Natália - VADKERTIOVÁ, Monika - VYŠEHRADSKÁ, Laura - MÁROVÁ, Ivana - DUDÁŠOVÁ, Hana - STRATILOVÁ, Barbora. Maldi TOF analysis for verification of collection yeasts and classification of new isolates. In *DZIK, Petr (ed.). Book of Abstracts: 77th Meeting on Chemistry and Life 2018, September 12-14, 2018, Brno.* - Brno : Vysoké učení technické v Brně, 2018, p. 65. ISBN 978-80-2014-5488-0.
- AFG24      HOUSER, Josef - KOZMON, Stanislav - MISHRA, Deepti C. - HAMMEROVÁ, Zuzana - WIMMEROVÁ, Michaela - KOČA, Jaroslav. Bioinformatics and in vitro quantification of CH- $\pi$  interaction in protein carbohydrate binding. In *Glycoconjugate Journal (Abstracts: Glyco 25: XXV International Symposium on Glycoconjugates, August 25-31, 2019, Milano, Italy).* - Heidelberg : Springer, 2019, vol. 36, no. 9, p. 385. ISSN 0282-0080.
- AFG25      HRICOVÍNÍ, Michal. Photochemically-induced anti-syn isomerization of quinazolinone-derived Schiff's bases: EPR, NMR and DFT analysis. In *Program and Book of Abstracts: CCTB9 Chemistry towards biology : biomolecules as potential drugs.* - Budapest : Hungarian Chemical Society, 2018, p. D-3. ISBN 978-963-9970-90-8.



- AFG26      HRICOVÍNI, Michal - ASHER, James - HRICOVÍNI, Miloš. Photochemistry of anti-syn isomerization around the –N–N= bond. In *Czech Chemical Society Symposium Series. Sborník příspěvků: 72. sjezd českých a slovenských chemických společností, 6.-9. září 2020, Praha, Česká republika.* - Praha, ČR : Czech Chemical Society, 2020, roč. 18, č. 3, p. 127-128, 4P-02. ISSN 2336-7202.
- AFG27      HRICOVÍNI, Miloš - HRICOVÍNI, Michal. Theoretical analysis of 3D structure and high-resolution NMR parameters in sulphated tetrasaccharides. In *CTB9 Chemistry towards biology : biomolecules as potential drugs.* - Budapest : Hungarian Chemical Society, 2018, p-13. ISBN 978-963-9970-90-8.
- AFG28      HRONČEKOVÁ, Štefánia - BERTÓK, Tomáš - TKÁČ, Ján. Sensitive amperometric nanobiosensors for detection of sarcosine - potential prostate cancer marker - in urine. In *NANOCON 2021-Abstracts : 13th International Conference on Nanomaterials - Research & Application, October 20-22, 2021, Brno, Czech Republic.* - Ostrava, Czech Republic : TANGER Ltd., 2021, p. 51. ISBN 978-80-88365-00-6.
- AFG29      HURAN, Jozef - SASINKOVÁ, Vlasta - KLEINOVÁ, Angela. Silicon carbide thin films deposited by PECVD technology for harsh environment applications. In *Solid State Chemistry 2016 : 12th International Conference.* - Prague, Czech Republic : Institute of Inorganic Chemistry of the CAS, 2016, 2016, p. 86. ISBN 978-80-7080-969-3. Dostupné na internetu: <www.ssc-conference.com>
- AFG30      JAKUBČINOVÁ, Jana - BARÁTH, Marek - HIRSCH, Ján - TVAROŠKA, Igor. Stabilita a príprava potenciálnych inhibitorov ľudských glykozyltransferáz. In *Czech Chemical Society Symposium Series. 70. sjezd českých a slovenských chemických společností, Zlín 9. - 12. září 2018, 2018, vol. 16, 2L-06, p. 342.* ISSN 2336-7202.
- AFG31      KARNIŠOVÁ POTOCKÁ, Elena - MASTIHUBA, Vladimír. Self-assembled gold nanoparticles for impedimetric and amperometric detection of a prostate cancer biomarker. In *Delegate Programme Booklet: 5th International Conference on Bio-Sensing Technology, 7-10 May 2017, Riva del Garda, Italy.* - Amsterdam : Elsevier, 2017, p. [O11]. ISBN 978-80-7080-989-1.
- AFG32      KATRLÍK, Jaroslav - PAŽITNÁ, Lucia - KRIŽÁKOVÁ, Martina, Zámorová - PAKANOVÁ, Zuzana - BARÁTH, Peter - KIM, S. - BYSTRICKÝ, Branislav. Determination of serum proteins glycosylation in cancer before and after the treatment: lectin-based protein microarray and maldi-tof ms approaches. In *Glycoconjugate Journal (Abstracts: Glyco 25: XXV International Symposium on Glycoconjugates, August 25-31, 2019, Milano, Italy).* - Heidelberg : Springer, 2019, vol. 36, no. 4, p. 330. ISSN 0282-0080.
- AFG33      KATRLÍK, Jaroslav - KRIŽÁKOVÁ, Martina, Zámorová - PAKANOVÁ, Zuzana - NEMČOVIČ, Marek - BARÁTH, Peter - MUCHA, Ján - MILJUŠ, Goran - ŠUNDERIČ, Miloš - ROBAJAC, Dragana - NEDIČ, Olgica. Determination of protein glycosylation using lectin-based protein microarrays. In *SPASOJEVIĆ, Ivan (ed.). Proceedings: Serbian Biochemical Society Seventh Conference "Biochemistry*

of Control in Life and Technology", November 10, 2017, Belgrade, Serbia. - Belgrad : Serbian Biochemical Society, 2017, p. 141-142. ISBN 978-86-7220-091-1.

- AFG34 KIANIČKOVÁ, Kristína - PAŽITNÁ, Lucia - KUNDALIA, Paras - PAKANOVÁ, Zuzana - NEMČOVIČ, Marek - BARÁTH, Peter - KATRLÍKOVÁ, Eva - ŠUBA, Ján - TREBATICÁ, Jana - KIM, Seonghun - KATRLÍK, Jaroslav. Glykomická analýza vzoriek sér detí s ochorením ADHD lektínovou microarray metódou a hmotnostnou spektrometriou. In *Czech Chemical Society Symposium Series. Sborník příspěvků: 72. sjezd českých a slovenských chemických společností, 6.-9. září 2020, Praha, Česká republika*. - Praha, ČR : Czech Chemical Society, 2020, roč. 18, č. 3, p.77, 1P-06. ISSN 2336-7202.
- AFG35 KLUNDA, Tomáš - POLÁKOVÁ, Monika - ŠESTÁK, Sergej - KOŇA, Juraj. Synthesis of potential inhibitors of Golgi alfa-mannosidase II. In *Czech Chemical Society Symposium Series 1: XVIIIth Interdisciplinary Meeting of Young Researchers, May 14 - May 17, 2018, Milovy*. - Praha : Czech Chemical Society, 2018, 2018, vol. 16, p. 16. ISSN 2336-7202.
- AFG36 KOLLÁROVÁ, Karin - RICHTEROVÁ, Danica, Richterová - VATEHOVÁ, Zuzana - LABANCOVÁ, Eva - ŠÍPOŠOVÁ, Kristína - LIŠKOVÁ, Desana. Effects of silicon on physiological characteristics of poplar callus cells under antimony treatment. In *Plant Biology CS 2019. Programme and Book of Abstracts. Student Days, August 25-26, 2019 and General Conference, August 27-30, 2019 : Bulletin České společnosti experimentální biologie rostlin a Fyziologické sekce Slovenské botanické společnosti*,. - České Budějovice : Česká společnost experimentální biologie rostlin, 2019, 2019, roč. 2019, č. 1, s. 267. ISSN 1213-6670.
- AFG37 KRAJČOVIČ, Tomáš - HAKAROVÁ, Marietta. Two step immobilization of viable whole-cell Baeyer-Villiger monooxygenase in polyelectrolyte complex beads. In *WIMMEROVÁ, Michaela* - *HOLKOVÁ, Jitka (eds.)*. *Sborník příspěvků: XIX. setkání biochemiků a molekulárních biologů, 13.-14. listopad 2018, Brno, Česká republika, Brno: Didot, s.r.o., 2018*. - Brno, 2018, p. 22. ISBN 978-80-210-9069-9.
- AFG38 KRONEKOVÁ, Zuzana - MAJERČÍKOVÁ, Monika - PAULOVÍČOVÁ, Ema - PAULOVÍČOVÁ, Lucia - KRONEK, Juraj. Poly(2-isopropenyl-2-oxazoline) for immunotherapeutical applications. In *Annual Fall Meeting*. - Jeju : The Polymer Society of Korea, 2019, 2019, vol. 44, no.2, p. 80. ISSN 2384-0307.
- AFG39 KUČEROVÁ, Danica, Richterová - KOLLÁROVÁ, Karin - VATEHOVÁ, Zuzana - LABANCOVÁ, Eva - LIŠKOVÁ, Desana. The effects of silicon on arsenic-treated poplar callus cells in the view of principal component analysis. In *Plant Biology CS 2019. Programme and Book of Abstracts. Student Days, August 25-26, 2019 and General Conference, August 27-30, 2019 : Bulletin České společnosti experimentální biologie rostlin a Fyziologické sekce Slovenské botanické společnosti*. - České Budějovice : Česká společnost experimentální biologie rostlin, 2019, 2019, roč. 19, č. 1, s. 269. ISSN 1213-6670.
- AFG40 KUMARI, Manju - KOZMON, Stanislav - KULHÁNEK, Petr - ŠTĚPÁN, Jakub - TVAROŠKA, Igor - KOČA, Jaroslav. Reaction mechanism of O-GlcNA transferase explored by QM/MM molecular dynamics. In *XXV. Biochemický sjezd :*

*Sborník přednášek a posteru, program.* - Praha : Venice Praha, 2016, s. 72. ISBN 978-80-270-0331-0.

- AFG41 KVĚTOŇ, Filip - TKÁČ, Ján. Application of glycan biosensors in diagnostics. In *Book of Abstracts: XVIII. Workshop of Biophysical Chemists and Electrochemists. 12th and 13th september 2018. Brno.* - Brno : Masarykova Univerzita Brno, 2018, p. 30.
- AFG42 KVĚTOŇ, Filip - JANSSON, Bo - TKÁČ, Ján. Detekcia tumor asociovanej protilátky GOD3-2C4 glykánovým biosenzorom na báze Tn antigénu. In *Czech Chemical Society Symposium Series 5. 70. sjezd českých a slovenských chemických společností, Zlín 9. - 12. září 2018.* - Praha, ČR : Czech Chemical Society, 2018, vol. 16, 3S-09, p. 368. ISSN 2336-7202.
- AFG43 KVĚTOŇ, Filip - BLŠÁKOVÁ, Anna - TKÁČ, Ján. Modifikované glykánové povrchy a ich využitie. In *Czech Chemical Society Symposium Series. Sborník příspěvků: 72. sjezd českých a slovenských chemických společností, 6.-9. září 2020, Praha, Česká republika.* - Praha, ČR : Czech Chemical Society, 2020, roč. 18, č. 3, p. 78. 1P-07. ISSN 2336-7202.
- AFG44 LABANCOVÁ, Eva - KOLLÁROVÁ, Karin - ŠÍPOŠOVÁ, Kristína - VADKERTIOVÁ, Renáta - LIŠKOVÁ, Desana. The effects of *Papiliotrema terrestris* on maize cultivated in vitro in different conditions. In *Plant Biology CS 2019. Programme and Book of Abstracts. Student Days, August 25-26, 2019 and General Conference, August 27-30, 2019 : Bulletin České společnosti experimentální biologie rostlin a Fyziologické sekce Slovenské botanické společnosti.* - České Budějovice : Česká společnost experimentální biologie rostlin, 2019, roč. 2019, č. 1, s. 113. ISSN 1213-6670.
- AFG45 LORENCOVÁ, Lenka - PINKOVÁ GAJDOŠOVÁ, Veronika - KASÁK, Peter - TKÁČ, Ján. Aplikácie pokročilých 2D nanomateriálov "MXénov" ako perspektívnych platforiem pri návrhu (bio)senzorov. In *Czech Chemical Society Symposium Series. Sborník příspěvků: 72. sjezd českých a slovenských chemických společností, 6.-9. září 2020, Praha, Česká republika.* - Praha, ČR : Czech Chemical Society, 2020, roč. 18, č. 3, p. 81-82. 1P-14. ISSN 2336-7202.
- AFG46 LORENCOVÁ, Lenka. Highly stable Ti<sub>3</sub>C<sub>2</sub>Tx (Mxene)/Pt nanocomposite modified glassy carbon electrode for sensing application. In *NANOCON 2018 - Conference Proceedings 10th Anniversary International Conference on Nanomaterials - Research and Application, October 17-19, 2018, Brno, Czech Republic : abstracts.* - Ostrava : Tanger Ltd., 2018, p. 71. ISBN 978-80-87294-89-5.
- AFG47 LORENCOVÁ, Lenka - BERTÓK, Tomáš - CHOCHOLOVÁ, Erika - HOLAZOVÁ, Alena - FILIP, Jaroslav - KASÁK, Peter - TKÁČ, Ján. Ultrasensitive H<sub>2</sub>O<sub>2</sub> sensing by Ti<sub>3</sub>C<sub>2</sub>Tx mxene modified glassy carbon electrode. In *XVII. Workshop of Physical Chemists and Electrochemists, Brno, 30th and 31st May, 2017 : Metrohm. Book of Abstracts.* - Brno : Masaryk University, 2017, p. 19-20. ISBN 978-80-201-8580-0.

- AFG48 LUX, Alexander - KOHANOVÁ, Jana - BOKOR, Boris - VACULÍK, Marek - LICHTSCHEIDL, Irene - SOUKUP, Milan - ŠVEC, Miroslav. Silicification of root tissues during their development. In *Hronková Marie, Šantrůček Jiří (eds.). Bulletin České společnosti experimentální biologie rostlin a Fyziologické sekce Slovenské botanické společnosti (Programme and Book of Abstracts: Plant Biology CS 2019, August 25-30, 2019, České Budějovice, Czech Republic)*. - České Budějovice : Česká společnost experimentální biologie rostlin, 2019, 2019, roč. 2019, č. 1, s. 235. ISSN 1213-6670.
- AFG49 MAJZÚNOVÁ, Miroslava - KVANDOVÁ, Miroslava - BALÍŠ, Peter - PAKANOVÁ, Zuzana - GREŠOVÁ, Linda - KVASNIČKA, P. - DOVINOVA, Ima. Different effect of NO synthase inhibition on the redox state in brainstem of young and adult rats. In *Nitric Oxide: From Basic Regulations to Lifestyle-Related Diseases : Book of Abstracts. The 9th International Symposium, Vrsar, Croatia, September 13-16, 2016*. - Bratislava : Institute of Normal and Pathological Physiology, SAS, 2016, p. 20. ISBN 978-80-971699-5-4.
- AFG50 MAJZÚNOVÁ, Miroslava - KVANDOVÁ, Miroslava - BALÍŠ, Peter - PAKANOVÁ, Zuzana - GREŠOVÁ, Linda - DOVINOVA, Ima. The effect of exogenous inhibitors of NO synthases on the redox state in brain stem of Wistar rats. In *92. Fyziologické dny : sborník abstraktů z konference*. - České Budějovice : Přírodovědecká fakulta JU, 2016, s. 67. ISBN 978-80-7394-563-3.
- AFG51 MELNÍKOVÁ, Eva - TOMČÍKOVÁ, Kornélia - KVĚTOŇ, Filip - TKÁČ, Ján - GÁL, Miroslav. Impedimetrický biosenzor pre detekciu vírusu chrípky. In *Czech Chemical Society Symposium Series 5. Sborník příspěvků: 70. Sjezd Českých a Slovenských Chemických Společností, Zlín, 9. 12. září 2018*. - Praha, ČR : Czech Chemical Society, 2018, vol. 16, 4L-03, p. 379. ISSN 2336-7202.
- AFG52 MIČOVÁ, Júlia - BURYI, Maksym - ŠIMEK, Daniel - NEYKOVA, Neda - CHANG, Yu-Ying - REMEŠ, Zdeněk. Synthesis, optical properties and crystal quality of different zinc oxide nanostructures. In *SURFINT - SREN V. Progress in Applied Surface, Interface and Thin Film Science 2017, November 20 - 23, 2017, Florence, Italy*. - Bratislava : Comenius University Bratislava, 2017, p. 92-93. ISBN 978-80-223-4411-1.
- AFG53 MOSNÁČKOVÁ, Katarína - DWORAK, Claudia L. - KLEINOVÁ, Angela - OPÁLKOVÁ ŠÍŠKOVÁ, Alena - SASINKOVÁ, Vlasta - MIČUŠÍK, Matej - KASÁK, Peter - MOSNÁČEK, Jaroslav. Partially biodegradable polymer hybrids based on MWNTs. In *Brochure of the International Workshop on Polymer Science and Polymeric Materials*. - Bratislava, Budapest, Zabrze : Centre of Polymer and Carbon Materials Polish Academy of Sciences, Research Centre for Natural Sciences Hungarian Academy of Sciences, Polymer Institute of the Slovak Academy of Sciences, 2017, p. 19. ISBN 978-80-89841-06-6.
- AFG54 NEMČOVIČOVÁ, Ivana - NEMČOVIČ, Marek - KÚDELOVÁ, Marcela - ZAJONC, D.M. Characterisation of a novel bidirectional NK activating ligand CD160. In *Materials and Structures*, 2016, vol. 23, no. 1, p. 41. (2015: 2.453 - IF, Q1 - JCR, 1.422 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1359-5997.

- AFG55      NEMČOVIČOVÁ, Ivana - NEMČOVIČ, Marek - BENKO, Mário - KÚDELOVÁ, Marcela - ŠEDÝ, J.R. - ZAJONC, D.M. Molecular binding characteristics of recombinant NK cell receptor CD160 and the crystal structure of the herpesvirus entry mediator HVEM. In *CzechoSlovak virology conference 2017 : book of abstracts*. - České Budějovice : Biologické centrum AV ČR, v.v.i., 2017, p. 53-54. ISBN 978-80-86668-44-4.
- AFG56      NEMČOVIČOVÁ, Ivana - BENKO, Mário - LENHARTOVÁ, Simona - KEMPOVÁ, Viera - NEMČOVIČ, Marek. New insights into the role of N-glycosylation involved in molecular immune checkpoint regulation by human cytomegalovirus glycoproteins with the implication in cancer therapy. In *Journal of Immunology*, 2020, vol. 204, suppl. 1, p. 248.19. (2019: 4.886 - IF, Q2 - JCR, 2.509 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0022-1767. Dostupné na internete: <[https://www.jimmunol.org/content/204/1\\_Supplement/248.19/tab-article-info](https://www.jimmunol.org/content/204/1_Supplement/248.19/tab-article-info)>
- AFG57      NEMČOVIČOVÁ, Ivana - BENKO, Mário - NEMČOVIČ, Marek. Site-specific analysis of UL144 protein from human cytomegalovirus highlights its role in virus-mediated immune evasion. In *Acta Crystallographica A*, 2018, vol. A74, p. e189-e190. (2017: 7.930 - IF, Q1 - JCR, 5.990 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 2053-2733.
- AFG58      NEŠČÁKOVÁ, Zuzana - BYSTRICKÝ, Slavomír - MACHOVÁ, Eva. Vaccination with mannan conjugates protects mice against candidiasis. In *ANTOLOVIČ, Roberto - KIFER, Domagoj (eds.). Book of Abstracts: Croatian Congress of Microbiology, June 15-18, 2016, Sveti Martin na Muri, Croatia*. - Zagreb : Croatian Microbiology Society, 2016, oP12, p. 47. ISBN 978-953-7778-13-2.
- AFG59      PAULOVÍČOVÁ, Ema - PAULOVÍČOVÁ, Lucia - PILIŠIOVÁ, Ružena - YASHUNSKY, D.V. - KARELIN, A.A. - TSVETKOV, Y.E. - NIFANTIEV, N.E. The evaluation of synthetically prepared  $\beta$ -(1 $\rightarrow$ 3)-nonaglucoside as an anti-Candida immune response modifier. In *Abstracts ISHAM 2018: 20th Congress of the International Society for Human and Animal Mycology, June 30-July 4, 2018, Amsterdam, The Netherlands*. In: *Medical Mycology*, 2018, vol. 56, s 132. (2017: 2.799 - IF, Q1 - JCR, 0.973 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1369-3786.
- AFG60      PAVLIČKOVÁ, Michaela - HATALA, Michal - LORENCOVÁ, Lenka - GEMEINER, Pavol. Screen-printed MoS<sub>2</sub> electrodes for electrochemical sensing of dopamine. In *NANOCON 2021-Abstracts : 13th International Conference on Nanomaterials - Research & Application, October 20-22, 2021, Brno, Czech Republic*. - Ostrava, Czech Republic : TANGER Ltd., 2021, p. 91. ISBN 978-80-88365-00-6.
- AFG61      PAŽITNÁ, Lucia - NEMČOVIČ, Marek - PAKANOVÁ, Zuzana - BARÁTH, Peter - ALIEV, Teimur - DOLGIKH, Dimitry - ARGENTOVA, Victoria - KATRLÍK, Jaroslav. Aplikácia na lektínoch založenej microarray a MALDI-MS metódy pri analýze glykozylácie rekombinantných monoklonálnych IgA protilátok.

In *Czech Chemical Society Symposium Series. Sborník příspěvků: 72. sjezd českých a slovenských chemických společností, 6.-9. září 2020, Praha, Česká republika.* - Praha, ČR : Czech Chemical Society, 2020, roč. 18, č. 3, p. 76. 1P-03. ISSN 2336-7202.

- AFG62      PAŽITNÁ, Lucia - PAKANOVÁ, Zuzana - KUNDALIA, Paras - KIANIČKOVÁ, Kristína - NEMČOVIČ, Marek - BARÁTH, Peter - KATRLÍK, Jaroslav. Glycan analysis of the SARS-CoV-2 spike glycoprotein S1: Lectin-based microarray and mass spectrometry approaches. In *Czech Chemical Society Symposium Series. Sborník příspěvků: 72. sjezd českých a slovenských chemických společností, 6.-9. září 2020, Praha, Česká republika.* - Praha, ČR : Czech Chemical Society, 2020, roč. 18, č. 3, p. 74. 1L-12. ISSN 2336-7202.
- AFG63      PAŽITNÁ, Lucia - HLASOVÁ, Zuzana - MILJUŠ, Goran - ROBAJAC, Dragana - ŠUNDERIĆ, Miloš - PENEZIĆ, Ana - GLIGORIJEVIĆ, Nikola - BARALIĆ, Marko - NEDIĆ, Olgica - KATRLÍK, Jaroslav. Glycan analysis of serum glycoproteins of patients on peritoneal dialysis by lectin-based microarray. In *Řápková Radmila, Fusek Martin, Drašar Pavel (eds.). Czech Chemical Society Symposium Series. XIX. Interdisciplinary Meeting of Young Biologists, Biochemists and Chemists, May 20 - 23, 2019, Devět Skal, Milovy, Czech Republic.* - Praha : Česká společnost chemická, 2019, 2019, roč. 17, č. 1, s. 29-30. ISSN 2336-7202.
- AFG64      PINKOVÁ GAJDOŠOVÁ, Veronika - LORENCOVÁ, Lenka - TKÁČ, Ján. Pokročilé metody na diagnostikovanie rakoviny prsníka pomocou glykoprolácie proteínov. In *Czech Chemical Society Symposium Series. Sborník příspěvků: 72. sjezd českých a slovenských chemických společností, 6.-9. září 2020, Praha, Česká republika.* - Praha, ČR : Czech Chemical Society, 2020, roč. 18, č. 3, p. 75. 1P-02. ISSN 2336-7202.
- AFG65      REMEŠ, Zdeněk - BURYI, Maksym - SHARMA, Dhananjay K. - ARTEMENKO, Anna - MIČOVÁ, Júlia - REZEK, Bohuslav - PORUBA, Aleš - HSU, Hua Shu - POTOCKÝ, Štěpán - BABIN, Vladimír. Emergence of dark ZnO nanorods by hydrogen plasma treatment. In *NANOCON 2021-Abstracts : 13th International Conference on Nanomaterials - Research & Application, October 20-22, 2021, Brno, Czech Republic.* - Ostrava, Czech Republic : TANGER Ltd., 2021, p. 121. ISBN 978-80-88365-00-6.
- AFG66      REMEŠ, Zdeněk - MIČOVÁ, Júlia - REZEK, Bohuslav - HSU, Hua-Shu. The optical emission spectroscopy of the inductively coupled plasma used for modification of chemical, optical and electronic properties of nanostructured ZnO. In *KOŽÍŠEK, Zdeněk - KRÁL, Robert - ZEMENOVÁ, Petra (eds.). Book of Abstracts of the 30th Joint Seminar "Development of Materials Science in Research and Education", September 7-11, 2020, Pavlov, Czech Republic.* - Prague : Institute of Physics of the Czech Academy of Sciences, 2020, p. 50. ISBN 978-80-907237-1-9.
- AFG67      SAVKOVÁ, Karin\*\* - HUSZÁR, Stanislav - BARÁTH, Peter - PAKANOVÁ, Zuzana - KOZMON, Stanislav - VANCOVÁ, Marie - TESAŘOVÁ, Martina - BLÁŠKO, Jaroslav - KALIŇÁK, Michal - SINGH, Vinayak - KORDULÁKOVÁ, Jana - MIKUŠOVÁ, Katarína. Functional characterization an ABC transporter WZM-WZT involved in the translocation of galactan precursors across the plasma

membrane in mycobacteria. In XXVI. Annual Congress of Czech and Slovak Societies for Biochemistry and Molecular Biology with cooperation of Austrian and German Biochemical Section : "Life is Biochemistry, Biochemistry is Life". České Budějovice, Czech Republic, August 29th - September 1st, 2021. - Praha : Venice, 2021, p. 54. ISBN 978-80-907779-1-0.

- AFG68      DUDÁŠOVÁ, Hana - VADKERTIOVÁ, Renáta. Diversity of yeasts colonizing aboveground plant organs of fruit trees and the soil related to these trees. In *DŽIK, Petr (ed.). Book of Abstracts: 77th Meeting on Chemistry and Life 2018, September 12-14, 2018, Brno.* - Brno : Vysoké učení technické v Brně, 2018, p. 63. ISSN 978-80-2014-5488-0.
- AFG69      DUDÁŠOVÁ, Hana - BALAŠČÁKOVÁ, Martina - VADKERTIOVÁ, Renáta. Diversity and enzymatic activities of soil yeasts associated with fruit trees. In *Tomáškovy dny 2018 : XXVII. konference mladých mikrobiologů.* - Brno : Masarykova univerzita, 2018, s. 71. ISBN 978-80-210-8963-1.
- AFG70      DUDÁŠOVÁ, Hana - VADKERTIOVÁ, Renáta. Soil yeasts and their killer activity. In *VACEK, Lukáš (ed.). Sborník: Tomáškovy dny 2017: XXVI. konference mladých mikrobiologů, 8.-9. červen 2017, Brno, Česká republika.* - Brno : Masarykova Univerzita, 2017, s. 64. ISBN 978-80-210-8585-5.
- AFG71      DUDÁŠOVÁ, Hana - VADKERTIOVÁ, Renáta. Verification of yeast species originated from water and trees of southwest Slovakia. In *ŠVEC, Pavel - KRÁLOVÁ, Stanislava - LAICHMANOVÁ, Monika - SEDLÁČEK, Ivo (eds.). Abstracts: XXXVI Annual Meeting of the European Culture Collections' Organisation (ECCO 2017), 13-15 September, 2017, Brno, Czech Republic.* - Brno : Tribun EU, s.r.o., 2017, p. 49, P04. ISBN 978-80-263-1327-4.
- AFG72      SLUŠNÁ, Lenka - BONDAREV, Dimitrij - JÁNĚ, Eduard - HAIZER, Ľudovít - DRŽÍK, Milan - SZOCZ, Vojtech - JERIGOVÁ, Monika - VELIČ, Dušan. Absorpční a fluorescenční dynamika systému tiofénový kopolymér/fenylovaný fullerén. In *Czech Chemical Society Symposium Series 5. Sborník příspěvků: 70. sjezd českých a slovenských chemických společností, Zlín, 9. - 12. září 2018.* - Praha, ČR : Czech Chemical Society, 2018, vol. 16, 4P-09, p. 394. ISSN 2336-7202.
- AFG73      STRATILOVÁ, Barbora - STRATILOVÁ, Eva - KOZMON, Stanislav\*\*. Xyloglucan endotransglycosylase (XET) substrate interactions study. In XXVI. Annual Congress of Czech and Slovak Societies for Biochemistry and Molecular Biology with cooperation of Austrian and German Biochemical Section : "Life is Biochemistry, Biochemistry is Life". České Budějovice, Czech Republic, August 29th - September 1st, 2021. - Praha : Venice, 2021, p. 50. ISBN 978-80-907779-1-0.
- AFG74      ŠÍPOŠOVÁ, Kristína - KOLLÁROVÁ, Karin - LIŠKOVÁ, Desana - VATEHOVÁ, Zuzana. Effects of auxin on the plant growth and the cell wall root architecture in maize (*Zea mays* L.). In *Plant Biology CS 2019. Programme and Book of Abstracts. Student Days, August 25-26, 2019 and General Conference, August 27-30, 2019 : Bulletin České společnosti experimentální biologie rostlin a Fyziologické sekce Slovenské botanické společnosti.* - České Budějovice : Česká

společnost experimentální biologie rostlin, 2019, 2019, roč. 2019, č. 1, s. 169. ISSN 1213-6670.

- AFG75        ŠUCHOVÁ, Katarína\*\* - PUCHART, Vladimír - BIELY, Peter. Xylanases of glycoside hydrolase family 30: Structure-function relationship. In *XXVI. Annual Congress of Czech and Slovak Societies for Biochemistry and Molecular Biology with cooperation of Austrian and German Biochemical Section : "Life is Biochemistry, Biochemistry is Life"*. České Budějovice, Czech Republic, August 29th - September 1st, 2021. - Praha : Venice, 2021, p. 55. ISBN 978-80-907779-1-0.
- AFG76        ŠUTOVSKÁ, Martina - CAPEK, Peter - KOČMÁLOVÁ, Michaela - FRANOVÁ, Soňa. Chemical analysis and pharmacodynamic study of Wollea saccata biopolymer effect on respiratory system. In *International Conference on the Mechanism of Action of Nutraceuticals, September 27-29, 2017, Aberdeen, Scotland*. - 2017, biochemical Pharmacology, 2017, vol. 139, p. 140,. ISSN 0006-2952.
- AFG77        TKÁČ, Ján - BERTÓK, Tomáš - LORENCOVÁ, Lenka. Lectin-based glycoprofiling of a prostate specific antigen for accurate prostate cancer diagnostics. In *Glycoconjugate Journal (Abstracts: Glyco 25: XXV International Symposium on Glycoconjugates, August 25-31, 2019, Milano, Italy)*. - Heidelberg : Springer, 2019, vol. 36, no. 4, p. 371. ISSN 0282-0080.
- AFG78        TKÁČ, Ján - BERTÓK, Tomáš - LORENCOVÁ, Lenka - HÍREŠ, Michal - JÁNÉ, Eduard - PINKOVÁ GAJDOŠOVÁ, Veronika - BLŠÁKOVÁ, Anna. Nanotechnology – based biosensing: Application cancer diagnostics. „Life is Biochemistry, Biochemistry is Life“. In *XXVI. Annual Congress of Czech and Slovak Societies for Biochemistry and Molecular Biology with cooperation of Austrian and German Biochemical Section : "Life is Biochemistry, Biochemistry is Life"*. České Budějovice, Czech Republic, August 29th - September 1st, 2021. - Praha : Venice, 2021, p. 74. ISBN 978-80-907779-1-0.
- AFG79        UHILIARIKOVÁ, Iveta - CHVÁLOVÁ, Beáta - MATULOVÁ, Mária - CAPEK, Peter - CEPÁK, Vladislav - LUKAVSKÝ, Jaromír. Extracellular polymeric substances produced by freshwater cyanobacteria - a screening study. In *Proceedings of the 14th International Conference on Polysaccharides-Glycoscience 7-9 November 2018 Prague*. - Praha : Czech Chemical Society, 2018, p. 36. ISBN 978-80-86238-80-7. ISSN 2336-6796.
- AFG80        VADKERTIOVÁ, Renáta - DUDÁŠOVÁ, Hana - BALAŠČÁKOVÁ, Marta - STRATILOVÁ, Eva - STRATILOVÁ, Barbora. Yeasts and yeast-like organisms inhabiting the soil adjacent to fruit trees. In *ŠVEC, Pavel - KRÁLOVÁ, Stanislava - LAICHMANOVÁ, Monika - SEDLÁČEK, Ivo (eds.). Abstracts: XXXVI Annual Meeting of the European Culture Collections' Organisation (ECCO 2017), 13-15 September, 2017, Brno, Czech Republic*. - Brno : Tribun EU, s.r.o., 2017, p. 59, P14. ISBN 978-80-263-1327-4.
- AFG81        VATEHOVÁ, Zuzana - KOLLÁROVÁ, Karin - MALOVÍKOVÁ, Anna - LIŠKOVÁ, Desana. Plant cell walls as defence mechanisms against abiotic stress. In *Czech Chemical Society Symposium Series 5: 70 sjezd českých a slovenských*



*chemických společností, Zlín, 9. - 12. září 2018. - Praha, ČR : Czech Chemical Society, 2018, vol. 16, 6P-07, p. 415. ISSN 2336-7202.*

AFG82 YUROWSKIKH, M.A. - PESTOV, A. - KOGAN, Grigorij - SKORIK, Y.A. - YATLUK, Y.G. Sorption properties of the modified chitin-glucans. In *SE-KWON KIM - HONG KYOON NO - RO-DONG PARK. Advances in chitin science and technology: Proceedings of the 7th Asia-Pacific Chitin and Chitosan Symposium, 23-26 April 2006, Busan, Korea. - Seoul : Hanrimwon Printing Co. Ltd., 2016, p. 60-63.*

AFG83 ZAJIČKOVÁ, Mária, Spišáková - BELLA, Maroš - MONCOL, Ján - KOŮŠ, Miroslav. Syntéza hybridu (-)-swainsonínu a manostatínu A: nový přístup k syntéze 1-aminokarba-D-lyxofuranóz. In *Czech Chemical Society Symposium Series 5: 70. sjezd českých a slovenských chemických společností, Zlín, 9. - 12. září 2018. - Praha, ČR : Czech Chemical Society, 2018, vol. 16, 2P-04, p. 349. ISSN 2336-7202.*

AFG84 ŽUFANOVÁ, Zuzana - HOUSER, Josef - KOZMON, Stanislav - MISHRA, Deepti C. - WIMMEROVÁ, Michaela - KOČA, Jaroslav. Importance of CH- $\pi$  stacking interaction in carbohydrate-protein complexes. In *43rd FEBS Congress, 7-12 July, 2018, Prague, Czech Republic. In FEBS Open Bio, 2018, vol. 8, suppl. S1, p. 385, abstract no. P.17-003-Wed.*

#### **AFH Abstracts of papers from domestic conferences**

AFH01 AGUEDO, Juvissan - TKÁČ, Ján. Colorectal cancer glycoprofiling and potential biomarkers. In *ChemZi : Zborník abstraktov: 71. Zjazd chemikov, 9-13 september 2019, Vysoké Tatry, Horný Smokovec, Slovensko, 2019, roč. 15, č. 1, s. 137. ISSN 1336-7242.*

AFH02 AGUEDO, Juvissan - LORENCOVÁ, Lenka - PAKANOVÁ, Zuzana - TKÁČ, Ján. Glycomic technology for glycotarget discovery. In *ChemZi : Zborník abstraktov: 73. zjazd chemikov, 6-10 september 2021, Vysoké Tatry, Horný Smokovec, Slovensko. - Bratislava : Slovenská chemická spoločnosť, 2021, 2021, roč. 17, p. 86. ISSN 1336-7242.*

AFH03 BALOGH, Róbert\*\* - ECKSTEIN ANDICSOVÁ, Anita - LORENCOVÁ, Lenka - DANKO, Martin. Príprava a spektrálne štúdium nových derivátov na báze tiofén tiazolo[5,4- d]tiazolu. In *Polyméry 2020 : XI. Slovensko - Česká konferencia : kniha príspevkov a program. - Bratislava : Ústav polymérov SAV, 2020, s. 24-25. ISBN 978-80-89841-14-1. Dostupné na internete: <polymer.sav.sk/polymery2020/document/Kniha%20prispevkov\_Polymery2020.pdf >*

AFH04 BARÁTH, Marek - HIRSCH, Ján - PUCHART, Vladimír - BIELY, Peter. Potential chromogenic substrate for GHH30 glucuronoxylanases - a total synthesis. In *ChemZi : 69. zjazd chemikov, 11.-15. september 2017, Vysoké Tatry, Horný Smokovec, 2017, vol. 13, p. 99. ISSN 1336-7242.*

AFH05 BELICKÁ, Ľudmila, Kľuková - FILIP, Jaroslav - BELICKÝ, Štefan - TKÁČ, Ján. Grafén ako avantgardný nanomateriál využívaný pri senzitivnej detekcii glykoproteínov-biomarkerov rôznych chorôb v spojení s lektínovými biosenzormi.

In *PREVEDA : Interaktívna konferencia mladých vedcov*. - Bratislava : Občianske združenie PREVEDA, 2016, abstrakt č. 1360. ISBN 978-80-972360-0-7.

- AFH06 BELICKÝ, Štefan - DAMBORSKÝ, Pavel - ZAPATERO-RODRIGUEZ, Julia - O'KENNEDY, Richard - TKÁČ, Ján. Rekombinantné fragmenty protilátok využité v biosenzoroch pre spoľahlivejšiu diagnostiku rakoviny prostaty. In *FERKO, Miroslav - FARKAŠ, Pavol (eds.). Zborník abstraktov 2017: Interaktívna konferencia mladých vedcov 1.5. - 15.6.2017 2017*. - Banská Bystrica : Občianske združenie PREVEDA, 2017, abstrakt č. 1586. ISBN 978-80-972360-1-4.
- AFH07 BELKOVÁ, Martina - KOSZAGOVÁ, Romana, Repiská - NAHÁLKA, Jozef. Reutilization of enzymes in CMP-sialic acid (CMP-Neu5Ac) synthetic pathway using magnetic immobilization approach. In *TÓTHOVÁ, Monika - LIDIKOVÁ, Judita - CANDRÁKOVÁ, Kristína - HOLLÝ, Dominik (eds.). Scientific Conference of PhD. Students of FAFR, FBFS and FHLE SUA in Nitra – Proceedings of Abstracts, November 11, 2020, Nitra, Slovakia*. - Nitra : Slovak University of Agriculture in Nitra, 2020, p. 12. ISBN 978-80-552-2242-4.
- AFH08 BERTÓK, Tomáš - HOLAZOVÁ, Alena - LORENCOVÁ, Lenka - BELICKÝ, Štefan - HUSHEGYI, András - BELICKÁ, Ľudmila, Kľuková - DAMBORSKÁ, Dominika - CHOCHOLOVÁ, Erika - KASÁK, Peter - TKÁČ, Ján. Glykánové a lektínové biosenzory a biočipy v diagnostike rôznych ochorení. In *Súčasný stav a perspektívy analytickej chémie v praxi. ACP XIV. medzinárodná konferencia*, Bratislava, 3. až 6.mája 2016. - Bratislava : Nakladateľstvo STU, 2016, p. 10-11. ISBN 978-80-227-4556-7.
- AFH09 BERTÓK, Tomáš - CHOCHOLOVÁ, Erika - TKÁČ, Ján - KASÁK, Peter. Preparation of nanostructured interfaces and their use in biorecognition. In *Electrochemical and acoustic methods in bioanalysis. International school. Bratislava, September 24-27, 2017*. - Bratislava : Univerzita Komenského, 2017, p1, p. 30. ISBN 978-80-8147-081-3.
- AFH10 BIELY, Peter - FRAŇOVÁ, Lucia - PUCHART, Vladimír. Enzymes of *Aureobasidium* strains for proliferation on wood. In *Vadkertiová Renáta, Dudášová Hana (eds.). Program and Abstracts: 46th Annual Conference on Yeasts, May 7-10, 2019, SAS Congress Centre, Smolenice, Slovakia*. - Bratislava : Institute of Chemistry, Slovak Academy of Sciences and Commission on Yeasts of the Czechoslovak Society of Microbiology, 2019, p. 29. ISSN 1336-4839.
- AFH11 BLŠÁKOVÁ, Anna - KVĚTOŇ, Filip - LORENCOVÁ, Lenka - TKÁČ, Ján. Detekcia protilátok voči aberantným glykánom. In *Drobníčov memoriál : Zborník príspevkov a program*. 11. ročník. Chata Trubárka, Trenčín - Kubrica, 2. - 4. september 2021. - Bratislava : Centrum biovied - Ústav molekulárnej fyziológie a genetiky, SAV, 2021, s. 55. ISBN 978-80-972752-8-0.
- AFH12 BLŠÁKOVÁ, Anna - KVĚTOŇ, Filip - LORENCOVÁ, Lenka - TKÁČ, Ján. Preparation of glycan surfaces and their application. In *TÓTHOVÁ, Monika - LIDIKOVÁ, Judita - CANDRÁKOVÁ, Kristína - HOLLÝ, Dominik (eds.). Scientific Conference of PhD. Students of FAFR, FBFS and FHLE SUA in Nitra* –

- AFH13      BLŠÁKOVÁ, Anna - TKÁČ, Ján. Príprava nanoštruktúrovaných glykánových povrchov. In *ChemZi : Zborník abstraktov: 71. Zjazd chemikov, 9-13 september 2019, Vysoké Tatry, Horný Smokovec, Slovensko*, 2019, roč. 15, č. 1, s. 137. ISSN 1336-7242.
- AFH14      BLŠÁKOVÁ, Anna - KVĚTOŇ, Filip - LORENCOVÁ, Lenka - TKÁČ, Ján. Príprava nanoštruktúrovaných glykánových povrchov. In *Ferko Miroslav, Farkaš Pavol (eds.). Zborník abstraktov 2020: Interaktívna konferencia mladých vedcov 2020. Banská Bystrica, 1.5. - 1.6.2020.* - Bratislava : Občianske združenie Preveda, 2020, abstract č. 2058. ISBN 978-80-972360-6-9.
- AFH15      BLŠÁKOVÁ, Anna - TKÁČ, Ján. Príprava glykánových povrchov s využitím nanomateriálov. In *PREVEDA : interaktívna konferencia mladých vedcov 2019. Book of Abstracts.* - Bratislava : Občianske združenie Preveda, 2019, abstract č. 1849. ISBN 978-80-972360-4-5.
- AFH16      BLŠÁKOVÁ, Anna - KVĚTOŇ, Filip - LORENCOVÁ, Lenka - TKÁČ, Ján. Ultracitlivá detekcia autoprotilátok voči aberatným glykánom prítomných pri rakovinových ochoreniach. In *ChemZi : Zborník abstraktov: 73. Zjazd chemikov, 6. -10. september 2021, Vysoké Tatry, Horný Smokovec, Slovensko.* - Bratislava : Slovenská chemická spoločnosť, 2019, 2021, roč. 17, s. 157. ISSN 1336-7242.
- AFH17      BOŤANSKÁ, Barbora - MASTIHUBOVÁ, Mária - MASTIHUBA, Vladimír - BARANČÍK, Miroslav. Vplyv glykofenolík na moduláciu účinkov doxorubicínu v obličkových bunkách HEK 293. In *GAVURNÍKOVÁ, Gabriela (ed.). Zborník abstraktov z konferencie Biochemické dni 2019, 21.-24. september 2019, Horný Smokovec, Slovensko.* - Bratislava : Centrum vedecko-technických informácií SR, 2019, s. 72. ISBN 978-80-89965-27-4.
- AFH18      BOŤANSKÁ, Barbora - MASTIHUBOVÁ, Mária - MASTIHUBA, Vladimír - BARANČÍK, Miroslav. Vplyv glykofenolík na moduláciu účinkov doxorubicínu v obličkových bunkách HEK 293. In *Ferko Miroslav, Farkaš Pavol (eds.). Zborník abstraktov 2020: Interaktívna konferencia mladých vedcov 2020. Banská Bystrica, 1.5. - 1.6.2020.* - Bratislava : Občianske združenie Preveda, 2020, abstract č. 2042. ISBN 978-80-972360-6-9.
- AFH19      BREIEROVÁ, Emília - ŠOLTÉSOVÁ, Dominika - STRATILOVÁ, Barbora - SASINKOVÁ, Vlasta. Antifungal activity of Metschnikowia Pulcherrima against pathogenic yeasts. In *45th Annual Conference on Yeast. May 15-18 2018, SAS Congress Centre, Smolenice, Slovakia.* - Bratislava : Komisia pre kvasinky pri CHÚ SAV, Ústav biochémie a genetiky živočíchov CBv SAV, 2018, p. 62. ISSN 1336-4839.
- AFH20      CAPEK, Peter - HALAJ, Michal - PAULOVÍČOVÁ, Ema - PAULOVÍČOVÁ, Lucia - JANTOVÁ, Soňa - TURJAN, Jozef - CEPÁK, Vladimír - LUKAVSKÝ, Jaromír. Extracellular biopolymers produced by green microalgae. In *ChemZi :*

*Zborník abstraktov: 71. Zjazd chemikov, 9-13 september 2019, Vysoké Tatry, Horný Smokovec, Slovensko, 2019, roč. 15, č. 1, s. 198. ISSN 1336-7242.*

- AFH21      CVEČKO, Matej\*\* - KIS, Peter - MASTIHUBOVÁ, Mária - MASTIHUBA, Vladimír. Synthesis of chromogenic probes for detection and assay of diglycosidases. In *PREVEDA : interaktívna konferencia mladých vedcov 2021. Book of abstracts*. - Banská Bystrica : Občianske združenie Preveda, 2021, abstract No. 2228. ISBN 978-80-972360-7-6.
- AFH22      ČANIGOVÁ, N. - KUNOVÁ, Nina - KERESZTESOVÁ, Barbora - FRANKOVSKÝ, Ján - BELLOVÁ, Jana - BARÁTH, Peter - SCHWARZOVÁ, L. - ZDRÁHAL, Z. - PEVALA, Vladimír - NOSEK, Jozef - KUTEJOVÁ, Eva - TOMÁŠKA, Ľubomír. Succinylation as the means of mitochondrial nucleoid dynamics regulation. In *45th Annual Conference on Yeast. May 15-18 2018, SAS Congress Centre, Smolenice, Slovakia*. - Bratislava : Komisia pre kvasinky pri CHÚ SAV, Ústav biochémie a genetiky živočíchov CBv SAV, 2018, p. 28. ISSN 1336-4839.
- AFH23      ČAPLOVIČ, Ján. Spomienka na profesora Mikuláša Furdíka (1905 - 1967). In *ChemZi : 69. zjazd chemikov, 11.-15. september 2017, Vysoké Tatry, Horný Smokovec*, 2017, vol. 13, p. 119. ISSN 1336-7242.
- AFH24      DAMBORSKÁ, Dominika - PAKANOVÁ, Zuzana - BELICKÝ, Štefan - BERTÓK, Tomáš - MUCHA, Ján - TKÁČ, Ján. Ultrasenzitívni lektinové biosenzory pro včasnou detekci rakoviny prostaty. In *PREVEDA : Interaktívna konferencia mladých vedcov 2016*. - Bratislava : Občianske združenie PREVEDA, 2016, abstract No.: 1332. ISBN 978-80-972360-0-7.
- AFH25      DAMBORSKÝ, Pavel - KOCZULA, Katarzyna - GALLOTTA, Andrea - KATRLÍK, Jaroslav. Lectin-based lateral flow assay for protein glycoprofiling. In *ACP 2016, XIV. medzinárodná konferencia: Súčasný stav a perspektívy analytickej chémie v praxi, Bratislava, 3. až 6. mája 2016*. - Bratislava : Nakladateľstvo STU, 2016, p. ISBN 978-80-227-4556-7.
- AFH26      DANKO, Martin\*\* - KRONEKOVÁ, Zuzana - KRUPA, Igor - TKÁČ, Ján - KASÁK, Peter\*\*. Exchange counterion in polycationic hydrogels: Tunability of hydrophobicity, water state and floating capability. In *ChemZi : Slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel*, 2021, roč. 17, č. 1, s. 142. ISSN 1336-7242.
- AFH27      DOVINOVÁ, Ima - BARANČÍK, Miroslav - KVANDOVÁ, Miroslava - MAJZÚNOVÁ, Miroslava - HRABÁROVÁ, Eva - JANSEN, Eugene - MEINITZER, Andreas - ČAČÁNYIOVÁ, Soňa. Aberrant redox regulation and development of risk markers in cardiovascular diseases. In *Pathophysiology : The Official Journal of the International Society for Pathophysiology*, 2018, vol. 25, no. 3, p. 160-161. (2017: 0.670 - SJR, Q2 - SJR). ISSN 0928-4680.
- AFH28      DUJNIČ, Viera - PÄTOPRSTÝ, Vladimír. Analysis of carbohydrates as a 1-phenyl-3-methyl-5-pyrazolone derivatives by capillary electrophoresis in comparison by high performance liquid chromatography and methylation analysis.

In *Book of Abstracts: 24th International Symposium on Separation Sciences (ISSS 2018), 21st International Conference Analytical Methods and Human Health (AMHH 2018), June 17-20, 2018, Jasná, Slovakia.* - Bratislava : Department of Analytical Chemistry, Faculty of Natural Sciences, Comenius University, 2018, p. 161, P083. ISBN 978-80-971179-8-6.

- AFH29      DUJNIČ, Viera - PÄTOPRSTÝ, Vladimír - JAKUBČINOVÁ, Jana. Porovnanie celkového obsahu sacharidov a urónových kyselín u rastlín *Momordica grosvenori* a *Momordica charantia*. In *PREVEDA : interaktívna konferencia mladých vedcov 2018. Book of abstracts.* - Banská Bystrica : Občianske združenie PREVEDA, 2018, abstrakt č. 1731. ISBN 978-80-972360-2-1.
- AFH30      FARKAŠ, Pavol - VALÁRIKOVÁ, Jana - ČÍŽOVÁ, Alžbeta. Interpretácia MS spektier heterogénnych neoglykokonjugátov. In *ChemZi : Zborník abstraktov: 71. Zjazd chemikov, 9-13 september 2019, Vysoké Tatry, Horný Smokovec, Slovensko*, 2019, roč. 15, č. 1, s. 199. ISSN 1336-7242.
- AFH31      FARKAŠ, Pavol - ČÍŽOVÁ, Alžbeta - PAULOVÍČOVÁ, Lucia - PAULOVÍČOVÁ, Ema - BYSTRICKÝ, Slavomír. Simple preparation of labelled mannan-peptide as model for immune cell processing. In *Proceedings of the 14th Bratislava Symposium on Saccharides "Glycochemistry for biology and medicine". Smolenice Castle, Slovakia, June 25-30, 2017.* - Bratislava : Institute of Chemistry SAS, 2017, p4, p. 76. ISBN 978-80-971156-3-0.
- AFH32      FRAŇOVÁ, Lucia - PUCHART, Vladimír - BIELY, Peter. A new catalytic activity of *Aureobasidium pullulans* - production of glucuronoyl esterase. In *44th Annual Conference on Yeast, May 2-5, 2017, SAS Congress Centre, Smolenice, Slovakia.* - Bratislava : Institute of Chemistry SAS, Institute of Animal Biochemistry and Genetics, Centre of Biosciences SAS, 2017, 121, p. 36. ISSN 1336-4839.
- AFH33      FRAŇOVÁ, Lucia - PUCHART, Vladimír - BIELY, Peter. Glucuronoyl esterases - enzymes with unexplored biotechnological potential. In *Proceedings of the 14th Bratislava Symposium on Saccharides "Glycochemistry for biology and medicine". Smolenice Castle, Slovakia, June 25-30, 2017.* - Bratislava : Institute of Chemistry SAS, 2017, oP15, p. 53. ISBN 978-80-971156-3-0.
- AFH34      FRIMMEL, Karel - SOTNÍKOVÁ, Ružena - NAVAROVÁ, Jana - KNEZL, Vladimír - KRIŽÁK, Jakub - BREIEROVÁ, Emília - OKRUHLICOVÁ, Ľudmila. Treatment of moderate inflammation with carotenoids and their effect on connexins expression on left ventricle of the heart. In *5th European Section meeting of the International Academy of Cardiovascular Sciences (IACS-ES) : Advances in Cardiovascular Research: From basic mechanisms to therapeutic strategies, May 23-26, 2018, Smolenice. Program and Book of Abstracts.* - Bratislava : VEDA, 2018, s. 77. ISBN 978-80-224-1649-8.
- AFH35      GEMEINER, Pavol - HOMOLA, Tomáš - LORENCOVÁ, Lenka - PARRÁKOVÁ, Lucia - PAVLIČKOVÁ, Michaela - TKÁČ, Ján - MIKULA, Milan. Plazmou redukované grafén oxidové elektródy pre hybridnú fotovoltiku a biosenzoriku. In *ChemZi : Zborník abstraktov: 71. Zjazd chemikov, 9-13 september*

2019, Vysoké Tatry, Horný Smokovec, Slovensko, 2019, roč. 15, č. 1, s. 79. ISSN 1336-7242.

- AFH36        HAKAROVÁ, Marietta - BUČKO, Marek - KRAJČOVIČ, Tomáš - GEMEINER, Peter. Prístrojovo riadené výkonné techniky pre imobilizáciu celobunkových biokatalyzátorov. In *Ferko Miroslav, Farkaš Pavol (eds.). Zborník abstraktov 2020: Interaktívna konferencia mladých vedcov 2020. Banská Bystrica, 1.5. - 1.6.2020.* - Bratislava : Občianske združenie Preveda, 2020, abstract č. 1873. ISBN 978-80-972360-6-9.
- AFH37        HAKAROVÁ, Marietta - BUČKO, Marek - KRAJČOVIČ, Tomáš - GEMEINER, Peter. Produkcia bioaktívnych látok imobilizovanými celobunkovými biokatalyzátormi. In *Zborník abstraktov 2020: Interaktívna konferencia mladých vedcov 2020. Banská Bystrica, 1.5. - 1.6.2020.* - Bratislava : Občianske združenie Preveda, 2020, abstrakt č. 1872. ISBN 978-80-972360-6-9.
- AFH38        HAKAROVÁ, Marietta - BUČKO, Marek - KRAJČOVIČ, Tomáš - GEMEINER, Peter. Produkcia bioaktívnych látok imobilizovanými celobunkovými biokatalyzátormi v miešanom bioreaktore. In *PREVEDA : interaktívna konferencia mladých vedcov 2019. Book of Abstracts.* - Bratislava : Občianske združenie Preveda, 2019, abstrakt č. 1820. ISBN 978-80-972360-4-5.
- AFH39        HÁRONIKOVÁ, Andrea - SAMEK, Oto - GONOVÁ, Dominika - KRYŽÁNEK, V. - BREIEROVÁ, Emília - MÁROVÁ, Ivana. Monitoring of pulcherrimin and lipid production by *Metschnikowia* strains. In *44th Annual Conference on Yeast, May 2-5, 2017, SAS Congress Centre, Smolenice, Slovakia.* - Bratislava : Institute of Chemistry SAS, Institute of Animal Biochemistry and Genetics, Centre of Biosciences SAS, 2017, pH6, p. 47. ISSN 1336-4839.
- AFH40        HÁRONIKOVÁ, A. - GONOVÁ, D. - SAMEK, O. - BREIEROVÁ, Emília - MÁROVÁ, Ivana. Study of lipid production by *Metschnikowia* yeasts on waste substrates. In *45th Annual Conference on Yeast. May 15-18 2018, SAS Congress Centre, Smolenice, Slovakia.* - Bratislava : Komisia pre kvasinky pri CHÚ SAV, Ústav biochémie a genetiky živočíchov CBv SAV, 2018, p. 50. ISSN 1336-4839.
- AFH41        HATALA, Michal - GEMEINER, Pavol - PAVLIČKOVÁ, Michaela - PARRÁKOVÁ, Lucia - LORENCOVÁ, Lenka - HÁZ, Aleš - TKÁČ, Ján - MIKULA, Milan. Tlačené uhlíkové elektródy pre biosenzoriku a hybridnú fotovoltiku. In *ChemZi : Zborník abstraktov: 71. Zjazd chemikov, 9-13 september 2019, Vysoké Tatry, Horný Smokovec, Slovensko, 2019, roč. 15, č. 1, s. 156.* ISSN 1336-7242.
- AFH42        HÍREŠ, Michal - JÁNE, Eduard - MEGO, Michal - CHOVANEK, Michal - KASÁK, Peter - TKÁČ, Ján. Nový pohľad na známe biomarkery – potenciál skorej diagnostiky rakoviny semenníkov. In *LAKATOŠ, Boris - BREIER, Albert - SULOVÁ, Zdena (eds.). Zborník príspevkov a program: Drobnicov memoriál 10. ročník, 11.-13. september 2019, Stará Lesná, Slovensko.* - Bratislava : Centrum biovied SAV - Ústav molekulárnej fyziológie a genetiky, 2019, s. 51. ISBN 978-80-972752-6-6.

- AFH43      HÍREŠ, Michal - JÁNÉ, Eduard - MEGO, Michal - CHOVANEC, Michal - HAINOVÁ, Katarína - KASÁK, Peter - BERTÓK, Tomáš - TKÁČ, Ján. Sledovanie glykánových profilov HCG ako identifikácia rezistencie bunkových línií na CIS-Platinu. In *ChemZi : Zborník abstraktov: 73. zjazd chemikov, 6-10 september 2021, Vysoké Tatry, Horný Smokovec, Slovensko*. - Bratislava : Slovenská chemická spoločnosť, 2021, 2021, roč. 17, p.84, 1P22. ISSN 1336-7242.
- AFH44      HLASOVÁ, Zuzana - MIERTUŠ, Stanislav - ONDREJOVIČ, Miroslav - KATRLÍK, Jaroslav. Determination of activity of neuraminidases and their inhibitors by lectin-based assay. In *Book of Abstracts: Smart Specialization Strategy in the Field of Biotechnologies in Europe: A Challenge for CEE Region, September 4-6, 2017, Trnava, Slovakia*. - Trnava : University of SS. Cyril and Methodius in Trnava, 2017, p. 70. ISBN 978-80-8105-864-6.
- AFH45      HLASOVÁ, Zuzana - MIERTUŠ, Stanislav - ONDREJOVIČ, Miroslav - KATRLÍK, Jaroslav. Evaluation of neuraminidase inhibitors by lectin-based method. In *CHMELOVÁ, Daniela - ONDREJOVIČ, Miroslav (eds.). Book of Abstracts: Trends and Prospects in Medicinal and Pharma Biotechnologies in Europe. Towards Strengthening Regional Cooperation Including CEE Countries, June 3-4, 2019, Trnava, Slovakia*. - Trnava : University of SS. Cyril and Methodius in Trnava, 2019, p. 67-68. ISBN 978-80-8105-996-4.
- AFH46      HLASOVÁ, Zuzana - MIERTUŠ, Stanislav - ONDREJOVIČ, Miroslav - KATRLÍK, Jaroslav. Lectin-Based Method for Evaluation of Neuraminidase Activity and Its Inhibitors. In *PREVEDA : interaktívna konferencia mladých vedcov 2018. Book of abstracts*. - Banská Bystrica : Občianske združenie PREVEDA, 2018, abstract No. 1768. ISBN 978-80-972360-2-1.
- AFH47      HLOUŠKOVÁ, Zuzana - CAPEK, Peter - DVUREČENSKIJ, Andrej - CAPEK, Ignác. Natural products based therapeutics. In *ChemZi : Slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel*, 2017, roč. 13, č. 1, s. 154. ISSN 1336-7242.
- AFH48      HOLKOVÁ, Ivana - PAŠKOVÁ, Ľudmila - BILKA, František - POLÁKOVÁ, Monika - KOŇA, Juraj. Evaluation of the inhibitory effect of synthetic carbohydrate-based compounds on alfa-mannosidase activity and cytotoxicity study in HepG2 cell line. In *46th EuroCongress on Drug Synthesis and Analysis, Bratislava, September 5-8, 2017*. - Bratislava : Comenius University in Bratislava, Faculty of Pharmacy, 2017, p. 86. ISBN 978-80-223-4388-6.
- AFH49      HORVÁTHOVÁ, Ágnes - FARKAŠ, Vladimír. Search for inhibitors of yeast cell wall transglycosylase Crh1. In *Vadkertiová Renáta, Dudášová Hana (eds). Programme & Abstracts: 46th Annual Conference on Yeasts, May 7 - 10, 2019, SAS Congress Centre, Smolenice, Slovakia*. - Bratislava : Institute of Chemistry, Slovak Academy of Sciences and Commission on Yeasts of the Czechoslovak Society of Microbiology, 2019, p. 50. ISSN 1336-4839.
- AFH50      HORVÁTHOVÁ, Ágnes - ČURILLOVÁ, Natália - STRATILOVÁ, Barbora - MÁROVÁ, Ivana - DUDÁŠOVÁ, Hana. Taxonomic classification of yeasts associated with meadow plants. In *45th Annual Conference on Yeast. May 15-18*

2018, SAS Congress Centre, Smolenice, Slovakia. - Bratislava : Komisia pre kvasinky pri CHÚ SAV, Ústav biochémie a genetiky živočíchov CBv SAV, 2018, p. 41. ISSN 1336-4839.

- AFH51      HORVÁTHOVÁ, Ágnes - ČURILLOVÁ, Natália - STRATILOVÁ, Barbora - FARKAŠ, Vladimír - STRATILOVÁ, Eva. Testovanie inhibičného účinku komerčných antifungálnych látok na transglykozylázy Crh1, Crh2, Phr1 a Phr2. In *LAKATOŠ, Boris* - *BREIER, Albert* - *SULOVIČ, Zdena* (eds.). *Zborník príspevkov a program: Drobníčov memoriál 10. ročník, 11.-13. september 2019, Stará Lesná, Slovensko*. - Bratislava : Centrum biovied SAV - Ústav molekulárnej fyziológie a genetiky, 2019, p. 58. ISBN 978-80-972752-6-6.
- AFH52      HORVÁTHOVÁ, Eva - MASTIHUBA, Vladimír - KARNIŠOVÁ POTOČKÁ, Elena - KIS, Peter - GÁLOVÁ, Eliška - ŠEVČOVIČOVÁ, Andrea - KLAPÁKOVÁ, Martina - MASTIHUBOVÁ, Mária. Insights on the relationship between structure of phenylethanoid glycopyranosides and their activities using cell-free assays and human cells cultured in vitro. In *Interdisciplinary toxicology*. - Bratislava : Slovak Toxicology Society SETOX : Institute of Experimental Pharmacology and Toxicology SAS, 2018, vol. 11, no. 1, p. 68-69. (2017: 0.580 - SJR, Q3 - SJR). (2018 - SCOPUS). ISSN 1337-6853. *TOXCON 2018 : 23rd Interdisciplinary Toxicological Conference. The High Tatras Slovakia, Stará Lesná, June 20-22, 2018. Programme & Abstracts. Abstract Book*, p. 68-69. (2017: 0.580 - SJR, Q3 - SJR).
- AFH53      HORVÁTHOVÁ, Eva - MASTIHUBA, Vladimír - KARNIŠOVÁ POTOČKÁ, Elena - KIS, Peter - GÁLOVÁ, Eliška - ŠEVČOVIČOVÁ, Andrea - KLAPÁKOVÁ, Martina - MASTIHUBOVÁ, Mária. Structure-activity relationship study of phenylethanoid glycopyranosides using cell-free assays and human cells culture in vitro. In *ŠEVČOVIČOVÁ, Andrea* - *KYZEK, Stanislav* (eds.). *Zborník abstraktov: Genetická konferencia genetickej spoločnosti Gregore Mendela 2018 : 12. - 14. 9. 2018 Bratislava*. - Bratislava : Univerzita Komenského, 2018, s. 60. ISBN 978-80-223-4545-3.
- AFH54      HORVÁTHOVÁ, Eva - GÁLOVÁ, Eliška - ŠEVČOVIČOVÁ, Andrea - KLAPÁKOVÁ, Martina - BOHÁČ, A. - MASTIHUBA, Vladimír - KARNIŠOVÁ POTOČKÁ, Elena - MASTIHUBOVÁ, Mária. Structure-activity relationship of tyrosol glycosides studied by cell-free assays and in human cells cultured in vitro. In *Biomedicínske centrum SAV. Genetic toxicology and cancer prevention : book of abstracts*. - Bratislava : Cancer research institute, Biomedical research center, 2017, p. 15. ISBN 978-80-972247-2-1.
- AFH55      HORVÁTHOVÁ, Eva - MASTIHUBOVÁ, Mária - KARNIŠOVÁ POTOČKÁ, Elena - KIS, Peter - GÁLOVÁ, Eliška - ŠEVČOVIČOVÁ, Andrea - KLAPÁKOVÁ, Martina - HUNÁKOVÁ, Ľuba - MASTIHUBA, Vladimír. Synthesis of phenylethanoid glycopyranosides and their structure vs. activity assessment in cell-free tests and on human cells cultured in vitro. In *Interdisciplinary toxicology*. - Bratislava : Slovak Toxicology Society SETOX : Institute of Experimental Pharmacology and Toxicology SAS, 2019, vol. 12, suppl. 1, p. 37-38. (2018: 0.274 - SJR, Q3 - SJR). (2019 - SCOPUS). ISSN 1337-6853.



- AFH56      HORVÁTHOVÁ, Eva - GÁLOVÁ, Eliška - ŠEVČOVIČOVÁ, Andrea - K LAPÁKOVÁ, Martina - BOHÁČ, A. - MASTIHUBA, Vladimír - KARNIŠOVÁ POTOCKÁ, Elena - MASTIHUBOVÁ, Mária. Synthesis of tyrosol glycosides and their structure-activity relationship study in biochemical assays and in human cells in vitro. In *Toxicology Letters : official journal of EUROTOX*. - Amsterdam : Elsevier, 2017, vol. 280, suppl. 1, p. S118. (2016: 3.858 - IF, Q1 - JCR, 1.302 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0378-4274.
- AFH57      HORVÁTHOVÁ, Eva - POTOCKÁ, Elena - MASTIHUBOVÁ, Mária - MASTIHUBA, Vladimír - DURAJ, Jozef - ZDURIENČÍKOVÁ, Martina - ŠULÍKOVÁ, Margita - GÁLOVÁ, Eliška - ŠEVČOVIČOVÁ, Andrea - K LAPÁKOVÁ, M. - CHOLUJOVÁ, Dana. Tyrosol glycoside salidroside - synthesis and some biological characteristics. In *Interdisciplinary toxicology*. - Bratislava : Slovak Toxicology Society SETOX : Institute of Experimental Pharmacology and Toxicology SAS, 2016, vol. 9, no. suppl. 1, p. 27-28. (2015: 0.550 - SJR, Q3 - SJR). (2016 - SCOPUS). ISSN 1337-6853.
- AFH58      HRICOVÍNĽ, Michal - ASHER, James - HRICOVÍNĽ, Miloš. Photochemical properties of potential anticancer agents: Anti-syn isomerization of 2,3-disubstituted quinazolinones. In *Book of Abstracts: INSTRUCT ULTRA 3rd Structural Biology Meeting, November 14-15, 2019, Bratislava, Slovakia*. - Bratislava : Institute of Chemistry SAS, 2019, p. 21. ISBN 978-80-971665-1-9.
- AFH59      HRICOVÍNĽ, Michal - ASHER, James - MALKINA, Olga L. - HRICOVÍNĽ, Miloš. Photoswitching behaviour of heterocyclic imines: Theoretical, NMR and EPR st. In *ChemZi : Zborník abstraktov: 71. Zjazd chemikov, 9-13 september 2019, Vysoké Tatry, Horný Smokovec, Slovensko*, 2019, roč. 15, č. 1, s. 149. ISSN 1336-7242.
- AFH60      HRICOVÍNĽ, Michal - KOZICS, Katarína - SRANČÍKOVÁ, Annamária - HRICOVÍNIOVÁ, Zuzana. Quinazolinone bases as potential anticancer agents: synthesis, spectroscopic properties and biological evaluation. In *ChemZi : 69. zjazd chemikov, 11.-15. september 2017, Vysoké Tatry, Horný Smokovec*, 2017, vol. 13, p. 172. ISSN 1336-7242.
- AFH61      HRICOVÍNĽ, Michal\*\* - ASHER, James - HRICOVÍNĽ, Miloš. Spectroscopic and theoretical studies of anti-syn isomerization across the -N-N. In *ChemZi : Zborník abstraktov: 73. zjazd chemikov, 6-10 september 2021, Vysoké Tatry, Horný Smokovec, Slovensko*. - Bratislava : Slovenská chemická spoločnosť, 2021, 2021, roč. 17, s. 182, 2Po05. ISSN 1336-7242.
- AFH62      HRICOVÍNĽ, Michal - HRICOVÍNĽ, Miloš\*\*. The role of substitution pattern on molecular structure and NMR parameters in glycosaminoglyca. In *ChemZi : Zborník abstraktov: 73. zjazd chemikov, 6-10 september 2021, Vysoké Tatry, Horný Smokovec, Slovensko*. - Bratislava : Slovenská chemická spoločnosť, 2021, 2021, roč. 17, 182, 2Po06. ISSN 1336-7242.
- AFH63      HRICOVÍNĽ, Michal. 3D Structure of new salicin-type glycoconjugate - NMR and DFT study. In *PREVEDA : interaktívna konferencia mladých vedcov 2021*.

*Book of abstracts.* - Banská Bystrica : Občianske združenie Preveda, 2021, abstract no. 2114. ISBN 978-80-972360-7-6.

- AFH64      HRICOVÍNĽ, Miloš. Analysis of protein-carbohydrate interactions by NMR spectroscopy. In *INSTRUCT ULTRA. Structural biology meeting. 18. október 2017, Bratislava.* - Bratislava : Institute of Chemistry SAS, 2017, p. 17. ISBN 978-80-971156-5-4.
- AFH65      HRICOVÍNIOVÁ, Jana - MICHNOVÁ, Hana - ŠEVČOVIČOVÁ, Andrea - POSPÍŠILOVÁ, Šárka - JAMPÍLEK, Jozef - HRICOVÍNIOVÁ, Zuzana. Design, synthesis and biological activities of new synthetic gallotannins. In *ChemZi : Zborník abstraktov: 71. Zjazd chemikov, 9-13 september 2019, Vysoké Tatry, Horný Smokovec, Slovensko*, 2019, roč. 15, č. 1, s. 182. ISSN 1336-7242.
- AFH66      HRICOVÍNIOVÁ, Jana - POSPÍŠILOVÁ, Šárka - JAMPÍLEK, Josef - HRICOVÍNIOVÁ, Zuzana\*\*. Novel hamamelitannin analogues: antioxidant and anti-biofilm activity. In *ChemZi : Zborník abstraktov: 73. Zjazd chemikov, 6 - 10 september 2021, Vysoké Tatry, Horný Smokovec, Slovensko.* - Bratislava : Slovenská chemická spoločnosť, 2019, 2021, roč. 17, č. 1, s. 212. ISSN 1336-7242.
- AFH67      HRONČEKOVÁ, Štefánia - BERTÓK, Tomáš - TKÁČ, Ján. Detection of ZAG Glycoprotein as a Potential Prostate Cancer Biomarker. In *ChemZi : Zborník abstraktov: 73. zjazd chemikov, 6-10 september 2021, Vysoké Tatry, Horný Smokovec, Slovensko.* - Bratislava : Slovenská chemická spoločnosť, 2021, 2021, roč. 17, p. 85, 1P25. ISSN 1336-7242.
- AFH68      HRONČEKOVÁ, Štefánia - BERTÓK, Tomáš - TKÁČ, Ján. Detekcia glykoproteínu ZAG ako biomarkera rakoviny prostaty pomocou imunotestov s laterálnym prietokom a glykoprolácie. In *REHÁKOVÁ, Milena* - *ORAVEC, Juraj (eds.). Elektronický zborník recenzovaných príspevkov: 22. Celoslovenská študentská vedecká konferencia s medzinárodnou účasťou: Chémia a technológia pre život. Bratislava, 25. 11. 2020.* - Bratislava : Fakulta chemickej a potravinárskej technológie STU v Bratislave, 2020, p. 77-78. ISBN 978-80-8208-042-4.
- AFH69      HRONČEKOVÁ, Štefánia - BERTÓK, Tomáš - TKÁČ, Ján. Konštrukcia nanoštruktúrovaného biosenzora na detekciu potenciálneho biomarkera rakoviny prostaty – sarkozínu. In *LAKATOŠ, Boris* - *BREIER, Albert* - *SULOVIÁ, Zdena (eds.). Zborník príspevkov a program: Drobnicov memoriál 10. ročník, 11.-13. september 2019, Stará Lesná, Slovensko.* - Bratislava : Centrum biovied SAV - Ústav molekulárnej fyziológie a genetiky, 2019, s. 50. ISBN 978-80-972752-6-6.
- AFH70      HRONČEKOVÁ, Štefánia - BERTÓK, Tomáš - TKÁČ, Ján. Konštrukcia nanoštruktúrovaného biosenzora na detekciu potenciálneho biomarkera rakoviny prostaty - sarkozínu. In *Ferko Miroslav, Farkaš Pavol (eds.). Zborník abstraktov 2020: Interaktívna konferencia mladých vedcov 2020. Banská Bystrica, 1.5. - 1.6.2020.* - Bratislava : Občianske združenie Preveda, 2020, abstrakt č. 1916. ISBN 978-80-972360-6-9.
- AFH71      HRONČEKOVÁ, Štefánia - BERTÓK, Tomáš - TKÁČ, Ján. Príprava nanoštruktúrovaného biosenzora na detekciu sarkozínu - potenciálneho biomarkera

rakoviny prostaty. In *PREVEDA : interaktívna konferencia mladých vedcov 2019. Book of Abstracts.* - Bratislava : Občianske združenie Preveda, 2019, abstrakt č. 1855. ISBN 978-80-972360-4-5.

- AFH72        CHOCHOLOVÁ, Erika - BERTÓK, Tomáš - KASÁK, Peter - TKÁČ, Ján. Analýza vzoriek ľudských IgG pomocou impedimetrického lektínového biosenzora v array formáte. In *Drobnicov memoriál 9. ročník, UVZ Danišovce, 12. - 14. september 2017.* - Bratislava : Ústav molekulárnej fyziológie a genetiky Centra biovied SAV, 2017, p. 49. ISBN 978-80-972752-0-4.
- AFH73        CHOCHOLOVÁ, Erika - BERTÓK, Tomáš - KASÁK, Peter - TKÁČ, Ján. New impedimetric lectin biosensor in array format for analysis of human igg samples isolated from patients suffering from rheumatoid arthritis. In *Proceedings of the 14th Bratislava Symposium on Saccharides "Glycochemistry for biology and medicine". Smolenice Castle, Slovakia, June 25-30, 2017.* - Bratislava : Institute of Chemistry SAS, 2017, fP8, p. 68. ISBN 978-80-971156-3-0.
- AFH74        CHOCHOLOVÁ, Erika - BERTÓK, Tomáš - KASÁK, Peter - TKÁČ, Ján. Toward detection of rheumatoid arthritis by analyzing of human IgG's glycans with an impedimetric lectin biosensors in an array format. In *Electrochemical and acoustic methods in bioanalysis. International school. Bratislava, September 24-27, 2017.* - Bratislava : Univerzita Komenského, 2017, o3, p. 28. ISBN 978-80-8147-081-3.
- AFH75        JAKUBČINOVÁ, Jana - KOZMON, Stanislav - BARÁTH, Marek. Dizajn, syntéza, stabilita a aktivita nových inhibítorov tranzitného stavu ľudských glykozyltransferáz a mykobakteriálnych galaktofuranozyltransferáz. In *ChemZi : Zborník abstraktov: 71. Zjazd chemikov, 9-13 september 2019, Vysoké Tatry, Horný Smokovec, Slovensko, 2019, roč. 15, č. 1, s. 98-99.* ISSN 1336-7242.
- AFH76        JAKUBČINOVÁ, Jana - BARÁTH, Marek. Fosforylačné reakcie vybraných 2-tiofuranóz. In *PREVEDA : interaktívna konferencia mladých vedcov 2019. Book of Abstracts.* - Bratislava : Občianske združenie Preveda, 2019, abstrakt č. 1830. ISBN 978-80-972360-4-5.
- AFH77        JAKUBČINOVÁ, Jana - HIRSCH, Ján - TVAROŠKA, Igor - BARÁTH, Marek. Chemická syntéza prekursorov vhodných pre prípravu inhibítorov glykozyltransferáz. In *ChemZi : 69. zjazd chemikov, 11.-15. september 2017, Vysoké Tatry, Horný Smokovec, 2017, vol. 13, p. 173.* ISSN 1336-7242.
- AFH78        JAKUBČINOVÁ, Jana - BARÁTH, Marek - DUJNÍČ, Viera. Saccharide precursors suitable for preparation of potential inhibitors of glycosyltransferases. In *PREVEDA : interaktívna konferencia mladých vedcov 2018. Book of abstracts.* - Banská Bystrica : Občianske združenie PREVEDA, 2018, abstrakt č. 1745. ISBN 978-80-972360-2-1.
- AFH79        JAKUBČINOVÁ, Jana - BARÁTH, Marek. Synthesis of saccharide precursors suitable for preparation of potential inhibitors of glycosyltransferases. In *PREVEDA : interaktívna konferencia mladých vedcov.* - Bratislava : Občianske združenie PREVEDA, 2017, abstract No.: 1537. ISBN 978-80-972360-1-4.

- AFH80      JÁNĚ, Eduard - VELIC, Dušan - TKÁČ, Ján - KASÁK, Peter. EIS study of multilayer films: analytical and numerical simulations. In *Electrochemical and acoustic methods in bioanalysis. International school. Bratislava, September 24-27, 2017*. - Bratislava : Univerzita Komenského, 2017, p3, p. 32. ISBN 978-80-8147-081-3.
- AFH81      JANOŠ, Pavel - TRNKA, Tomáš - KOZMON, Stanislav - TVAROŠKA, Igor - KOČA, Jaroslav. Glycosyltransferase reaction mechanism compared by different QM/MM approaches. In *Proceedings of the 14th Bratislava Symposium on Saccharides "Glycochemistry for biology and medicine". Smolenice Castle, Slovakia, June 25-30, 2017*. - Bratislava : Institute of Chemistry SAS, 2017, p12, p. 84. ISBN 978-80-971156-3-0.
- AFH82      JOCHEC   MOŠKOVÁ, Daniela - JANIGOVÁ, Ivica - NÓGELLOVÁ, Zuzana - SEDNIČKOVÁ, Michaela - PODHRADSKÁ, Silvia - JANKOVIČ, Ľuboš - KOMADEL, Peter - ŠLOUF, Miroslav - CHODÁK, Ivan. Prediction of filler reinforcing structure in polymer-clay nanocomposites by rheological measurement. In *Polyméry 2016 : IX. Slovensko - Česká konferencia : program a zborník príspevkov*. - Bratislava : Ústav polymérov SAV, 2016, s. 75-76. ISBN 978-80-89841-00-4.
- AFH83      JURČÍK, Ján - LUKÁČOVÁ, Veronika - SIVÁKOVÁ, Barbara - BELLOVÁ, Jana - BARÁTH, Peter - ČIPÁK, Ľuboš. Kvantitatívna fosfoproteomická analýza substrátov CDC2 proteínkinázy. In *Chémia a technológia pre život. 20. celoslovenská študentská vedecká konferencia s medzinárodnou účasťou, Bratislava, 7. 11. 2018*. - Bratislava : Slovenská chemická knižnica, 2018, p. 107-108. ISBN 978-80-89597-99-4.
- AFH84      JURČÍK, Matúš - BENKŐ, Zsigmond - JURČÍK, Ján - BORBOVÁ, Marianna - RUBINTOVÁ, Veronika - MIKOLÁŠKOVÁ, Barbora - GOFFA, Eduard - BELLOVÁ, Jana - BARÁTH, Peter - BÁGELOVÁ POLÁKOVÁ, Silvia - ČIPÁK, Ľuboš - ČIPÁKOVÁ, Ingrid. Functional analysis of uncharacterized G-patch RNA binding protein. In *Genetická konferencia genetickej spoločnosti Gregora Mendela 2018 : 12. - 14. 9. 2018 Bratislava*. - Bratislava : Univerzita Komenského, 2018, s. 62. ISBN 978-80-223-4545-3.
- AFH85      JURČÍK, Matúš - BORBOVÁ, Marianna - RUBINTOVÁ, Veronika - MIKOLÁŠKOVÁ, Barbora - BELLOVÁ, Jana - BARÁTH, Peter - ČIPÁK, Ľuboš - ČIPÁKOVÁ, Ingrid. Identification of interaction partners of uncharacterized G-patch RNA-binding protein. In *45th Annual Conference on Yeast. May 15-18 2018, SAS Congress Centre, Smolenice, Slovakia*. - Bratislava : Komisia pre kvasinky pri CHÚ SAV, Ústav biochémie a genetiky živočíchov CBv SAV, 2018, p. 52. ISSN 1336-4839.
- AFH86      JURNEČKOVÁ, Alena - DUDÁŠOVÁ, Hana - STRATILOVÁ, Barbora - MÁROVÁ, Ivana - VADKERTIOVÁ, Renáta - STRATILOVÁ, Eva. Biotyping of ascomycetous yeasts. In *44th Annual Conference on Yeast, May 2-5, 2017, SAS Congress Centre, Smolenice, Slovakia*. - Bratislava : Institute of Chemistry SAS,

Institute of Animal Biochemistry and Genetics, Centre of Biosciences SAS, 2017, pH2, p. 43. ISSN 1336-4839.

- AFH87 KALNÍK, Martin - ZAJIČKOVÁ, Mária, Spišáková - ŠESTÁK, Sergej - KOŮŠ, Miroslav - BELLA, Maroš. Synthesis of new bioactive mannostatin A analogues. In *Ferko Miroslav, Farkaš Pavol (eds.). Zborník abstraktov 2020: Interaktívna konferencia mladých vedcov 2020. Banská Bystrica, 1.5. - 1.6.2020.* - Bratislava : Občianske združenie Preveda, 2020, abstrakt č. 1886. ISBN 978-80-972360-6-9.
- AFH88 KALNÍK, Martin\*\* - MONCOL, Ján - KÓŇA, Juraj - KOŮŠ, Miroslav - BELLA, Maroš. Synthesis of 5-benzylswainsonines as selective inhibitors of GH38  $\alpha$ -mannosidases. In *PREVEDA : interaktívna konferencia mladých vedcov 2021. Book of abstracts.* - Banská Bystrica : Občianske združenie Preveda, 2021, abstract no. 2093. ISBN 978-80-972360-7-6.
- AFH89 KAMENICKÁ, Viktória - KOLLÁROVÁ, Karin - VATEHOVÁ, Zuzana - LIŠKOVÁ, Desana. The effects of galactoglucomannan oligosaccharides on antioxidative enzymes activity in maize grown in contaminated conditions. In *Proceedings of the 14th Bratislava Symposium on Saccharides "Glycochemistry for biology and medicine". Smolenice Castle, Slovakia, June 25-30, 2017.* - Bratislava : Institute of Chemistry SAS, 2017, p.10, p. 82. ISBN 978-80-971156-3-0.
- AFH90 KAPOOR, Sonam - NEMČOVIČ, Marek - PAKANOVÁ, Zuzana - RAČKOVÁ, Lucia - BRNOLIAKOVÁ, Zuzana. The assessment of N-glycans glycoprofiles derived from blood serum of different rat strains. In *PREVEDA : interaktívna konferencia mladých vedcov 2021. Book of abstracts.* - Banská Bystrica : Občianske združenie Preveda, 2021, abstract no. 2185. ISBN 978-80-972360-7-6. Dostupné na internete: <<https://abstracts.preveda.sk/?abstract=2185>>
- AFH91 KARKESZOVÁ, Klaudia - ZÁHORCOVÁ, Vlasta - MASTIHUBA, Vladimír. Enzymové acetylácie kyseliny kojovej. In *Zborník abstraktov 2017: Interaktívna konferencia mladých vedcov 2017, 1.5. - 15.6.2017.* - Banská Bystrica : Občianske združenie PREVEDA, 2017, abstrakt č. 1549. ISBN 978-80-972360-1-4.
- AFH92 KARKESZOVÁ, Klaudia - MASTIHUBOVÁ, Mária - MASTIHUBA, Vladimír. Regioselektívne acylácie kyseliny kojovej. In *ChemZi : Zborník abstraktov: 71. Zjazd chemikov, 9-13 september 2019, Vysoké Tatry, Horný Smokovec, Slovensko, 2019, roč. 15, č. 1, s. 117.* ISSN 1336-7242.
- AFH93 POTOCKÁ, Elena - MASTIHUBOVÁ, Mária - MASTIHUBA, Vladimír. Biokatalytická príprava a izolácia tyrozol beta-D-fruktozidu. In *PREVEDA : Interaktívna konferencia mladých vedcov.* - Bratislava : Občianske združenie PREVEDA, 2016, abstract no. 1393. ISBN 978-80-972360-0-7.
- AFH94 KARNIŠOVÁ POTOCKÁ, Elena - MASTIHUBOVÁ, Mária - KIS, Peter - MASTIHUBA, Vladimír. Enzymová príprava prírodných fenyletanoidných glykozidov a ich analógov. In *ChemZi : 69. zjazd chemikov, 11.-15. september 2017, Vysoké Tatry, Horný Smokovec, 2017, vol. 13, p. 122-123.* ISSN 1336-7242.

- AFH95 KASÁK, Peter - ILČÍKOVÁ, Markéta - FILIP, Jaroslav - MRLÍK, Miroslav - DANKO, Martin - BERTÓK, Tomáš - TKÁČ, Ján. Betaine materials as a tool for tailored application. In *BIMac 2016 : XXII. Bratislava Conference on Macromolecules : Polymers with Tailored Architecture and Properties : programme book and book of abstracts*. - Bratislava : Ústav polymérov SAV, 2016, p. 42. ISBN 978-80-89841-01-1.
- AFH96 KATRLÍK, Jaroslav - PAŽITNÁ, Lucia - KUNDALIA, Paras - KIANIČKOVÁ, Kristína - NEMČOVIČ, Marek - BARÁTH, Peter - PAKANOVÁ, Zuzana. Glycoprofiling of the SARS-COV-2 Spike Glycoprotein. In *ChemZi : Zborník abstraktov: 73. zjazd chemikov, 6-10 september 2021, Vysoké Tatry, Horný Smokovec, Slovensko*. - Bratislava : Slovenská chemická spoločnosť, 2021, 2021, roč. 17, p. 164, 1Po12. ISSN 1336-7242.
- AFH97 KATRLÍK, Jaroslav - KRIŽÁKOVÁ, Martina, Zámorová - PAKANOVÁ, Zuzana - ZIBUROVÁ, Jana - MUCHA, Ján. Lectin-based protein microarray as a tool for glyco-biomarker analysis: focus on congenital disorder of glycosylation. In *Proceedings of the 14th Bratislava Symposium on Saccharides "Glycochemistry for biology and medicine". Smolenice Castle, Slovakia, June 25-30, 2017*. - Bratislava : Institute of Chemistry SAS, 2017, fP4, p. 64. ISBN 978-80-971156-3-0.
- AFH98 KIANIČKOVÁ, Kristína - PAŽITNÁ, Lucia - KUNDALIA, Paras - PAKANOVÁ, Zuzana - NEMČOVIČ, Marek - BARÁTH, Peter - KATRLÍKOVÁ, Eva - ŠUBA, Ján - TREBATICÁ, Jana - KATRLÍK, Jaroslav. Glycomic analysis of children serum samples with ADHD disorder using lectin-based microarray and MALDI-TOF-MS methods. In *TÓTHOVÁ, Monika* - *LIDIKOVÁ, Judita* - *CANDRÁKOVÁ, Kristína* - *HOLLÝ, Dominik (eds.)*. *Scientific Conference of PhD. Students of FAFR, FBFS and FHLE SUA in Nitra – Proceedings of Abstracts, November 11, 2020, Nitra, Slovakia*. - Nitra : Slovak University of Agriculture in Nitra, 2020, p. 30. ISBN 978-80-552-2242-4.
- AFH99 KIANIČKOVÁ, Kristína - PAŽITNÁ, Lucia - KUNDALIA, Paras - BARÁTH, Peter - PAKANOVÁ, Zuzana - KVĚTOŇ, Filip - JANEGA, Pavol - KATRLÍK, Jaroslav. Glykoprolifácia pľúcneho tkaniva. In *ChemZi : Zborník abstraktov: 73. zjazd chemikov, 6-10 september 2021, Vysoké Tatry, Horný Smokovec, Slovensko*. - Bratislava : Slovenská chemická spoločnosť, 2021, 2021, roč. 17, p. 165, 1Po13. ISSN 1336-7242.
- AFH100 KIANIČKOVÁ, Kristína - PAŽITNÁ, Lucia - KUNDALIA, Paras - PAKANOVÁ, Zuzana - NEMČOVIČ, Marek - BARÁTH, Peter - KATRLÍKOVÁ, Eva - ŠUBA, Ján - TREBATICÁ, Jana - KIM, Seonghun - KATRLÍK, Jaroslav. Glykoprolifovanie sér detí s poruchou aktivity a pozornosti (ADHD) microarray metódou založenou na lektínoch a hmotnostnou spektrometriou. In *Ferko Miroslav, Farkaš Pavol (eds.)*. *Zborník abstraktov 2020: Interaktívna konferencia mladých vedcov 2020. Banská Bystrica, 1.5. - 1.6.2020*. - Bratislava : Občianske združenie Preveda, 2020, abstrakt č. 1990. ISBN 978-80-972360-6-9.
- AFH101 KIANIČKOVÁ, Kristína - PAŽITNÁ, Lucia - KUNDALIA, Paras - PAKANOVÁ, Zuzana - NEMČOVIČ, Marek - PANČÍK, Filip - BARÁTH, Peter - KATRLÍKOVÁ, Eva - ŠUBA, Ján - TREBATICÁ, Jana - KATRLÍK, Jaroslav.

Glykoprofilácia sér, depletovaných sér a imunoglobulínu G u detí v súvislosti s hyperkinetickou poruchou (ADHD) metódou MALDI-TOF MS. In *PREVEDA : interaktívna konferencia mladých vedcov 2021. Book of abstracts.* - Banská Bystrica : Občianske združenie Preveda, 2021, abstract no. 2230. ISBN 978-80-972360-7-6.

AFH102      KIS, Peter - MASTIHUBA, Vladimír - MASTIHUBOVÁ, Mária. Enzymatické acetylácie prekursorov fenylpropanoidných glykozidov. In *PREVEDA : Interaktívna konferencia mladých vedcov.* - Bratislava : Občianske združenie PREVEDA, 2016, abstract no. 1472. ISBN 978-80-972360-0-7.

AFH103      KLUNDA, Tomáš - ŠESTÁK, Sergej - POLÁKOVÁ, Monika - KÓŇA, Juraj. Synthesis of potential inhibitors of alfa-mannosidases from the GH38 family. In *Proceedings of the 14th Bratislava Symposium on Saccharides "Glycochemistry for biology and medicine". Smolenice Castle, Slovakia, June 25-30, 2017.* - Bratislava : Institute of Chemistry SAS, 2017, p9, p. 81. ISBN 978-80-971156-3-0.

AFH104      KÓŇA, Juraj. Catalyses of inverting and retaining glycosyltransferases pass through oxocarbenium ion intermediates via S<sub>N</sub>i-like mechanism: Insights from DFT-QM/MM calculations. In *Book of Abstracts: INSTRUCT ULTRA 3rd Structural Biology Meeting, November 14-15, 2019, Bratislava, Slovakia.* - Bratislava : Institute of Chemistry SAS, 2019, p. 18. ISBN 978-80-971665-1-9.

AFH105      KÓŇA, Juraj - BOBOVSKÁ, Adela - SLÁDEK, Vladimír. Molecular modeling of an enzymatic mechnism of glycosyltransferases which used a manganese ion co-factor for catalytic activity. In *Instruct-Ultra : 2nd Structural biology meeting.* - Bratislava : Chemický ústav SAV, 2018, p. 12. ISBN 78-971156-6-1.

AFH106      KÓŇA, Juraj - POLÁKOVÁ, Monika - ŠESTÁK, Sergej - KLUNDA, Tomáš - SLÁDEK, Vladimír - BELLA, Maroš - GURSKÁ, Soňa - DŽUBÁK, Peter. Search of selective inhibitors of golgi alfa-mannosidase II. In *Proceedings of the 14th Bratislava Symposium on Saccharides "Glycochemistry for biology and medicine". Smolenice Castle, Slovakia, June 25-30, 2017.* - Bratislava : Institute of Chemistry SAS, 2017, oP19, p.57. ISBN 978-80-971156-3-0.

AFH107      KORMANEC, Ján - NOVÁKOVÁ, Renáta - FECKOVÁ, Ľubomíra - MATULOVÁ, Mária - CSÖLLEIOVÁ, Dominika - HOMEROVÁ, Dagmar - REŽUCHOVÁ, Bronislava - ŠEVČÍKOVÁ, Beatrica. Zaujímavé štrukturálne vlastnosti antibiotika auricínu podobného angucyklínu a jeho komplexná regulácia v *Streptomyces lavendulae* subsp. *lavendulae* CCM 3239. In *GAVURNÍKOVÁ, Gabriela (ed.). Zborník abstraktov z konferencie Biochemické dni 2019, 21.-24. september 2019, Horný Smokovec, Slovensko.* - Bratislava : Centrum vedecko-technických informácií SR, 2019, s. 91. ISBN 978-80-89965-27-4.

AFH108      KOSZAGOVÁ, Romana, Repiská\*\*. Calgonit for industrial synthesis. In *Scientific Conference of PhD. Students of FAFR, FBFS and FHLE SUA in Nitra - Proceedings of abstracts : 7 november 2019.* - Nitra : Slovak University of Agriculture in Nitra, 2019, p. 34. ISBN 978-80-552-2083-3.

- AFH109      KOSZAGOVÁ, Romana, Repiská\*\* - NAHÁLKA, Jozef. Comparison and characterization of two homologues of PPKs2 in the form of active inclusion bodies. In *SSB 2019 : 11th International Conference Structure and Stability of Biomacromolecules. Book of abstracts..* - Košice : Institute of Experimental Physics, 2019, p. 95-96. ISBN 978-80-89656-25-7.
- AFH110      KOSZAGOVÁ, Romana, Repiská\*\* - KRAJČOVIČ, Tomáš - PALENČÁROVÁ, Klaudia - PÄTOPRSTÝ, Vladimír - VIKARTOVSKÁ, Alica - POSPÍŠKOVÁ, Kristýna - ŠAFARÍK, Ivor - NAHÁLKA, Jozef. Preparation and biotechnological efficiency of magnetically modified active inclusion bodies. In *Scientific Conference of PhD. Students of FAFR and FBFS, SUA in Nitra - Proceedings of abstracts : 6th November 2018, Nitra.* - Nitra : Slovak University of Agriculture in Nitra, 2018, p. 30. ISBN 978-80-552-1905-9.
- AFH111      SMRTIČOVÁ, Hana - PRIBULOVÁ, Božena - BARÁT, Jakub - PÄTOPRSTÝ, Vladimír - MAGDOLEN, Peter - MASTIHUBA, Vladimír - POLÁKOVÁ, Monika - PETRUŠOVÁ, Mária - PETRUŠ, Ladislav. Monitoring the mutarotation and isolation of glycosyl nitromethanes by reverse phase HPLC. In *Proceedings of the 14th Bratislava Symposium on Saccharides "Glycochemistry for biology and medicine". Smolenice Castle, Slovakia, June 25-30, 2017.* - Bratislava : Institute of Chemistry SAS, 2017, p13, p. 85. ISBN 978-80-971156-3-0.
- AFH112      KOZMON, Stanislav. Complex theoretical study of the O-GINAc transferase reaction mechanism. In *Podhradská Silvia - Benková Zuzana (eds.). BIMac 2019 : Computational and Experimental Approach to Polymers in Biomedical and Soft Matter : 23rd Bratislava International Conference on Macromolecules : Programme and Abstracts Book.* - Bratislava : Polymer Institute of Slovak Academy of Sciences, 2019, p. 46-47, CL-14. ISBN 978-80-89841-10-3.
- AFH113      KOZMON, Stanislav. Diverse reaction pathways of the O-GlcNAc transferase. In *Instruct Ultra. Structural biology meeting. 18. október 2017, Bratislava.* - Bratislava : Institute of Chemistry SAS, 2017, p. 15. ISBN 978-80-971156-5-4.
- AFH114      KOZMON, Stanislav - TVAROŠKA, Igor. Study of the substrate modification influence on the O-GlcNAc transferase reaction mechanism by QM/MM molecular dynamics. In *Instruct-Ultra : 2nd Structural biology meeting.* - Bratislava : Chemický ústav SAV, 2018, p. 21. ISBN 78-971156-6-1.
- AFH115      KRAJČOVIČ, Tomáš - BUČKO, Marek - GEMEINER, Peter. Immobilization of viable whole-cell Baeyer-Villiger monooxygenase in polyelectrolyte complex beads. In *BLAHUŠIAK, Marek - MIHAL, Mário (eds.): Proceedings of the 45th International Conference of SSCHE, Tatranské Matliare, May 21-25, 2018.* - Bratislava : Slovak Society of Chemical Engineering, 2018, p. 55. ISBN 978-80-89597-89-5.
- AFH116      KREGIEL, Dorota - BREIEROVÁ, Emília - PAWLIKOWSKA, Ewelina. Biodiversity of *Metschnikowia pulcherrima* collection strains with potential as a biocontrol agent. In *44th Annual Conference on Yeast, May 2-5, 2017, SAS Congress Centre, Smolenice, Slovakia.* - Bratislava : Institute of Chemistry SAS,



Institute of Animal Biochemistry and Genetics, Centre of Biosciences SAS, 2017, p5, p. 34. ISSN 1336-4839.

- AFH117      KRIŽÁKOVÁ, Martina, Zámorová - ŠUNDERIČ, Miloš - MALENKOVIČ, Vesna - NEDIČ, Olgica - KATRLÍK, Jaroslav. Glycan profiling analyses of alpha-2-macroglobulin from different serum samples using lectin-based microarray. In *Proceedings of the 14th Bratislava Symposium on Saccharides "Glycochemistry for biology and medicine"*. Smolenice Castle, Slovakia, June 25-30, 2017. - Bratislava : Institute of Chemistry SAS, 2017, fP9, p. 69. ISBN 978-80-971156-3-0.
- AFH118      KRIŽÁKOVÁ, Martina, Zámorová - HOLAZOVÁ, Alena - ROBAJAC, Dragana - MILJUŠ, Goran - ŠUNDERIČ, Miloš - MASNIKOSA, Romana - MALENKOVIČ, Vesna - DUKANOVIČ, Blagoje - GEMEINER, Peter - NEDIČ, Olgica - KATRLÍK, Jaroslav. Štúdium glykozylačných zmien biomarkerov korektálneho karcinómu pomocou glykoproteínovej microarray využívajúcej lektíny. In *PREVEDA : Interaktívna konferencia mladých vedcov 2016*. - Bratislava : Občianske združenie PREVEDA, 2016, abstract No.: 1463. ISBN 978-80-972360-0-7.
- AFH119      KRONEK, Juraj - KRONEKOVÁ, Zuzana - PETRENČÍKOVÁ, Nadežda - KLEINOVÁ, Angela - PAULOVÍČOVÁ, Ema - PAULOVÍČOVÁ, Lucia. Poly(2-isopropenyl-2-oxazoline) as a functional polymer for biomedical application. In *BIMac 2016 : XXII. Bratislava Conference on Macromolecules : Polymers with Tailored Architecture and Properties : programme book and book of abstracts*. - Bratislava : Ústav polymérov SAV, 2016, p. 27. ISBN 978-80-89841-01-1.
- AFH120      KRONEKOVÁ, Zuzana - PAULOVÍČOVÁ, Ema - PAULOVÍČOVÁ, Lucia - CHORVÁT, Dušan Jr. - KRONEK, Juraj. Cytotoxicity and immunomodulative properties of poly(2-isopropenyl-2-oxazoline) as new type of biomedical polymers. In *BYPOS 2016 : 6th Bratislava Young Polymer Scientists Workshop : March 13th-18th, 2016 : High Tatras, Slovakia : workshop book*. - Bratislava : Young Scientists Council of Polymer Institute of SAS, 2016, p. 105. ISBN 978-80-970923-8-2.
- AFH121      KRONEKOVÁ, Zuzana - PAULOVÍČOVÁ, Ema - PAULOVÍČOVÁ, Lucia - KRONEK, Juraj. Poly(2-isopropenyl-2-oxazoline) as a tool for combined cancer immunotherapy. In *8th Slovak Biophysical Symposium : Book of Contributions*. - Košice, Slovakia : Slovak Biophysical Society : COPYVAIT, 2018, p. 38-39. ISBN 978-80-973086-7-4.
- AFH122      KRONEKOVÁ, Zuzana - PETRENČÍKOVÁ, Nadežda - PAULOVÍČOVÁ, Ema - PAULOVÍČOVÁ, Lucia - KRONEK, Juraj. Poly(2-izopropenyl-2-oxazolín) ako nový druh polyméru pre biomedicínske aplikácie. In *Polyméry 2016 : IX. Slovensko - Česká konferencia : program a zborník príspevkov*. - Bratislava : Ústav polymérov SAV, 2016, s. 53-54. ISBN 978-80-89841-00-4.
- AFH123      KUNDALIA, Paras - PAŽITNÁ, Lucia - KIANIČKOVÁ, Kristína - KATRLÍK, Jaroslav. Affinity Based High-throughputdetermination of Abberant Glykosylationin Cancer. In *ChemZi : Zborník abstraktov: 73. zjazd chemikov, 6-10*

september 2021, Vysoké Tatry, Horný Smokovec, Slovensko. - Bratislava : Slovenská chemická spoločnosť, 2021, 2021, roč. 17, p. 178, 1Po39. ISSN 1336-7242.

- AFH124 KUNOVÁ, Nina - ONDROVIČOVÁ, Gabriela - PEVALA, Vladimír - BAUER, Jacob - KOTRASOVÁ, Veronika - KERESZTESOVÁ, Barbora - BARÁTH, Peter - BELLOVÁ, Jana - KUTEJOVÁ, Eva. Mitochondrial nucleoid proteins. In *Instruct-Ultra : 2nd Structural biology meeting*. - Bratislava : Chemický ústav SAV, 2018, p. 9. ISBN 78-971156-6-1.
- AFH125 KVĚTOŇ, Filip - BLŠÁKOVÁ, Anna - HUSHEGYI, András - JANSSEN, Bo - TKÁČ, Ján. Detection a tumor-associated antibody 2C4 by a glycan biosensor based on the TN antigen. In *Proceedings of the 14th Bratislava Symposium on Saccharides "Glycochemistry for biology and medicine". Smolenice Castle, Slovakia, June 25-30, 2017*. - Bratislava : Institute of Chemistry SAS, 2017, fP5, p. 65. ISBN 978-80-971156-3-0.
- AFH126 KVĚTOŇ, Filip - TKÁČ, Ján. Elektrochemická detekcia tumor-asociovej protilátky 2C4 pomocou glykánového biosenzora. In *ChemZi : Zborník abstraktov: 71. Zjazd chemikov, 9-13 september 2019, Vysoké Tatry, Horný Smokovec, Slovensko, 2019, roč. 15, č. 1, s. 130-131*. ISSN 1336-7242.
- AFH127 KVĚTOŇ, Filip - JANSSEN, Bo - TKÁČ, Ján. Glykánový biosenzor na báze Tn antigénu na stanovenie protilátky GOD3-2C4. In *PREVEDA : interaktívna konferencia mladých vedcov 2018. Book of abstracts*. - Banská Bystrica : Občianske združenie PREVEDA, 2018, abstrakt č. 1765. ISBN 978-80-972360-2-1.
- AFH128 KVĚTOŇ, Filip\*\* - PAKANOVÁ, Zuzana - NEMČOVIČ, Marek - POLIAKOVÁ, Lucia - ŠALINGOVÁ, Anna - BARÁTH, Peter. Optimalizácia štruktúrálnej analýzy apolipoproteínu CIII pomocou hmotnostnej spektrometrie. In *ChemZi : Zborník abstraktov: 73. zjazd chemikov, 6-10 september 2021, Vysoké Tatry, Horný Smokovec, Slovensko*. - Bratislava : Slovenská chemická spoločnosť, 2021, 2021, roč. 17, s. 248, 6Po20. ISSN 1336-7242.
- AFH129 KVĚTOŇ, Filip\*\* - PAKANOVÁ, Zuzana - NEMČOVIČ, Marek - MUCHA, Ján. Optimalizácia derivatizácie glykánov určených k analýze kyseliny sialovej zo vzoriek séra. In *ChemZi : Zborník abstraktov: 73. zjazd chemikov, 6-10 september 2021, Vysoké Tatry, Horný Smokovec, Slovensko*. - Bratislava : Slovenská chemická spoločnosť, 2021, 2021, roč. 17, s. 167, 1Po18. ISSN 1336-7242.
- AFH130 KVĚTOŇ, Filip - BLŠÁKOVÁ, Anna - HUSHEGYI, András - JANSSEN, Bo - TKÁČ, Ján. The Tn antigen as a part of glycan based biosensor for derection of tumor-associated antibody GOD3-2C4. In *Electrochemical and acoustic methods in bioanalysis. International school. Bratislava, September 24-27, 2017*. - Bratislava : Univerzita Komenského, 2017, o4, p. 29. ISBN 978-80-8147-081-3.
- AFH131 KVĚTOŇ, Filip - BLŠÁKOVÁ, Anna - HUSHEGYI, András - JANSSEN, Bo - TKÁČ, Ján. Tn antigen ako biosenzor na diagnostiku tumor asociovej protilátky GOD3-2C4. In *Drobnicov memoriál 9. ročník, UVZ Danišovce, 12. - 14. september 2017*. - Bratislava : Ústav molekulárnej fyziológie a genetiky Centra biovied SAV, 2017, p. 45. ISBN 978-80-972752-0-4.

- AFH132     LABANCOVÁ, Eva - KOLLÁROVÁ, Karin - VATEHOVÁ, Zuzana - LIŠKOVÁ, Desana. Interaction of Cadmium and Silicon in Poplar Calli. In *Bulletin České společnosti experimentální biologie rostlin a Fyziologické sekce Slovenské botanické společnosti : 14th International Student Conference on Experimental Plant Biology, 7th to 8th September 2017, Bratislava, Slovakia. Book of Abstracts*, 2017, roč. 17, č. 1, s. 27-28. ISSN 1213-6670.
- AFH133     LAHO, Maroš - ŠEDIVÁ, Mária - KLAUDINY, Jaroslav. Chov lariev včely medonosnej v laboratórnych podmienkach. In *PREVEDA : interaktívna konferencia mladých vedcov*. - Bratislava : Občianske združenie PREVEDA, 2017, abstract No.: 1660. ISBN 978-80-972360-1-4.
- AFH134     LENHARTOVÁ, Simona - NEMČOVIČ, Marek. New insight to immunomodulatory potential of human CD160 receptor in cytomegalovirus immune signaling. In *PREVEDA : interaktívna konferencia mladých vedcov 2021. Book of abstracts*. - Banská Bystrica : Občianske združenie Preveda, 2021, abstract no. 2112. ISBN 978-80-972360-7-6.
- AFH135     LORENCOVÁ, Lenka - BERTÓK, Tomáš - CHOCHOLOVÁ, Erika - HOLAZOVÁ, Alena - FILIP, Jaroslav - KASÁK, Peter - TKÁČ, Ján. Novel perspective nanomaterials in sensing applications. In *Electrochemical and acoustic methods in bioanalysis. International school. Bratislava, September 24-27, 2017*. - Bratislava : Univerzita Komenského, 2017, p2, p. 31. ISBN 978-80-8147-081-3.
- AFH136     LORENCOVÁ, Lenka - PINKOVÁ GAJDOŠOVÁ, Veronika - HRONČEKOVÁ, Štefánia - BERTÓK, Tomáš - KASÁK, Peter - TKÁČ, Ján. Perspektívne imobilizačné platformy na báze pokročilých 2D nanorozmerných MXénových rozhraní pre návrh (bio)senzorov. In *ChemZi : Zborník abstraktov: 73. zjazd chemikov, 6-10 september 2021, Vysoké Tatry, Horný Smokovec, Slovensko*. - Bratislava : Slovenská chemická spoločnosť, 2021, 2021, roč. 17, p. 168, 1Po19. ISSN 1336-7242.
- AFH137     LORENCOVÁ, Lenka - BERTÓK, Tomáš - FILIP, Jaroslav - JERIGOVÁ, Monika - VELIČ, Dušan - KASÁK, Peter - TKÁČ, Ján. Stabilný Ti3C2TX (MXén)/Pt nanokompozit pre aplikácie v senzoroach. In *ChemZi : Zborník abstraktov: 71. Zjazd chemikov, 9-13 september 2019, Vysoké Tatry, Horný Smokovec, Slovensko*, 2019, roč. 15, č. 1, s. 161. ISSN 1336-7242.
- AFH138     MAJEROVÁ, Petra - BARÁTH, Peter - POLČÍK MICHALICOVÁ, Alena - KATINA, S. - NOVÁK, Michal - KOVÁČ, Andrej. Changes of cerebrospinal fluid peptides due to tauopathy. In *CEEPC 2017 : Proceedings of the 11th Central and Eastern European Proteomic conference.abstract book*. - Košice : UVLaF, 2017, p. 76. ISBN 978-80-972017-5-3.
- AFH139     MATULOVÁ, Mária - UHĽIARIKOVÁ, Iveta - ŠALINGOVÁ, Anna - BEHŮLOVÁ, Darina - HLAVATÁ, Anna - JURÍČKOVÁ, Katarína - KOLNÍKOVÁ, Miriam - ŠALIGOVÁ, Jana - POTOČNÁKOVÁ, Ľudmila. Targeted diagnosing by NMR spectroscopy – deficiencies of aminoacylase I and guanidinoacetate methyltransferase (GAMT). In *Book of Abstracts: 24th*

*International Symposium on Separation Sciences (ISSS 2018), 21st International Conference Analytical Methods and Human Health (AMHH 2018), June 17-20, 2018, Jasná, Slovakia.* - Bratislava : Department of Analytical Chemistry, Faculty of Natural Sciences, Comenius University, 2018, p. 101. ISBN 978-80-971179-8-6.

- AFH140     VALÁRIKOVÁ, Jana - VRÁBLOVÁ, Jana, Vráblová - ČÍŽOVÁ, Alžbeta - HÁNYŠOVÁ, Sandra - FARKAŠ, Pavol. Identifikácia vibrií izolovaných zo slovenských vôd a determinácia ich faktorov virulencie. In *PREVEDA : interaktívna konferencia mladých vedcov 2018. Book of abstracts.* - Banská Bystrica : Občianske združenie PREVEDA, 2018, abstrakt č. 1784. ISBN 978-80-972360-2-1.
- AFH141     MOJTOVA, Nikola - KARNIŠOVÁ POTOCKÁ, Elena - MASTIHUBOVÁ, Mária - MASTIHUBA, Vladimír. Optimalizácia enzymatickej syntézy etyl-alfa-galaktozidu. In *PREVEDA : interaktívna konferencia mladých vedcov.* - Bratislava : Občianske združenie PREVEDA, 2017, abstract No.: 2017. ISBN 978-80-972360-1-4.
- AFH142     MOSNÁČKOVÁ, Katarína - DWORAK, Claudia Lydia - OPÁLKOVÁ ŠIŠKOVÁ, Alena - KLEINOVÁ, Angela - SASINKOVÁ, Vlasta - KULIČEK, Jaroslav - MOSNÁČEK, Jaroslav. Synthesis of polymer-carbon nanotubes hybrids via surface initiated raft polymerization. In *BIMac 2016 : XXII. Bratislava Conference on Macromolecules : Polymers with Tailored Architecture and Properties : programme book and book of abstracts.* - Bratislava : Ústav polymérov SAV, 2016, p. 49. ISBN 978-80-89841-01-1.
- AFH143     NEMČOVIČ, Marek - BENKO, Mário - LENHARTOVÁ, Simona - HOLÍKOVÁ, Viera - ZAJONC, Dirk - SEDY, J. - NEMČOVIČOVÁ, Ivana. Getting inspiration from molecular immunomodulation mechanism caused by human cytomegalovirus. In *Joint Czechoslovak Virology Conference 2019 and 1st SK-AT Structural Virology Meeting, February 13-15, 2019, Bratislava : Book of Abstracts.* - České Budějovice : Biologické centrum AV ČR, v.v.i., 2019, p. 20. ISBN 978-80-86668-53-6.
- AFH144     NEMČOVIČ, Marek - PAKANOVÁ, Zuzana - ZIBUROVÁ, Jana - BARÁTH, Peter - ŠESTÁK, Sergej - ŠALINGOVÁ, Anna - BEHULOVÁ, Darina - MUCHA, Ján. Glycomic and genomic approach in a clinical case of suspected slovakian CDGx patient. In *Proceedings of the 14th Bratislava Symposium on Saccharides "Glycochemistry for biology and medicine". Smolenice Castle, Slovakia, June 25-30, 2017.* - Bratislava : Institute of Chemistry SAS, 2017, oP7, p. 45. ISBN 978-80-971156-3-0.
- AFH145     NEMČOVIČ, Marek - PAKANOVÁ, Zuzana - ZIBUROVÁ, Jana - ŠESTÁK, Sergej - BARÁTH, Peter - MUCHA, Ján. High-throughput glycan analysis of patient serum samples by MALDI-TOF/TOF. In *LYSÁKOVÁ, Veronika* - *FEDUNOVÁ, Diana* - *BEDNÁRIKOVÁ, Zuzana* - *NIKOROVÍČ, Matej* - *GANČÁR, Miroslav* - *ULIČNÁ, Katarína* - *ŠIPOSOVÁ, Katarína (eds.)*. *Book of Contributions: 10th International Conference "Structure and Stability of Biomacromolecules" (SSB 2017), September 4-7, 2017, Košice, Slovakia.* - Košice : Institute of Experimental Physics SAS, 2017, p. 119. ISBN 978-80-89656-19-6.

- AFH146      NEMČOVIČ, Marek - PAKANOVÁ, Zuzana - ŠALINGOVÁ, Anna - ŠEBOVÁ, Claudia - OSTROŽLÍKOVÁ, Mária - MUCHA, Ján - BARÁTH, Peter. Využitie MALDI-TOF/TOF v stanovení voľných oligosacharidov v moči v diagnostike lyzozomálnych ochorení. In *Via practica : . (Odborný program a abstrakty: 8. slovenská konferencia o zriedkavých chorobách, 14.-15. november 2019, Bratislava)*, 2019, vol. 16, suppl. 2, p. 45. ISSN 1336-4790.
- AFH147      NEMČOVIČOVÁ, Ivana - NEMČOVIČ, Marek - BENKO, Mário - ŠEDÝ, J.R. - ZAJONC, Dirk. Molecular binding requirements for recognition of herpesvirus entry mediator HVEM by human immune receptor CD160. In *SSB 2017. 10th International Conference Structure and Stability of Biomacromolecules : Book of contributions, September 4 - 7, 2017, Košice, Slovakia.* - Košice : Institute of Experimental Physics, Slovak Academy of Sciences, 2017, p. 120-121. ISBN 978-80-89656-19-6.
- AFH148      PAKANOVÁ, Zuzana - KRIŽÁKOVÁ, Martina, Zámorová - PAŽITNÁ, Lucia - BARÁTH, Peter - NEMČOVIČ, Marek - ZIBUROVÁ, Jana - ŠESTÁK, Sergej - BEHŮLOVÁ, Darina - ŠALINGOVÁ, Anna - HLAVATÁ, Anna - MUCHA, Ján - KATRLÍK, Jaroslav. Combined glycan analysis using lectin-based reverse-phase protein microarray and MS techniques: the case of congenital disorder of glycosylation. In *Daniela Chmelová, Ondrejovič Miroslav (eds.). Book of Abstracts: Trends and Prospects in Medicinal and Pharma Biotechnologies in Europe. Towards Strengthening Regional Cooperation Including CEE Countries, June 3-4, 2019, Trnava.* - Trnava : University of SS. Cyril and Methodius in Trnava, 2019, p. 79. ISBN 978-80-8105-996-4.
- AFH149      PAKANOVÁ, Zuzana - MATULOVÁ, Mária - PÄTOPRSTÝ, Vladimír - ŠALINGOVÁ, Anna - BAHŮLOVÁ, Darina - JURÍČKOVÁ, Katarína - HLAVATÁ, Anna - MUCHA, Ján. Diagnostika a monitorovanie účinnosti terapie Pompeho ochorenia s využitím hmotnostnej spektrometrie a 1H NMR. In *Odborný program a abstrakty: 6. Slovenská konferencia o zriedkavých chorobách, 9. november 2017, Bratislava.* - Bratislava, 2017, via Practica, 2017, roč. 14, Suppl. 2, s. 35-36. ISSN 1336-930X.
- AFH150      PAKANOVÁ, Zuzana - NEMČOVIČ, Marek - PANČÍK, Filip - SIVÁKOVÁ, Barbara - BRNOLIAKOVÁ, Zuzana - BARÁTH, Peter. The effect of serum N-glycan derivatization in reflectron positive MALDI mass spectra. In *PREVEDA : interaktívna konferencia mladých vedcov 2020. Book of abstracts.* - Bratislava : Občianske združenie Preveda, 2020, abstract no. 1961. ISBN 978-80-972360-6-9.
- AFH151      PAKANOVÁ, Zuzana - BARÁTH, Peter - ZIBUROVÁ, Jana - NEMČOVIČ, Marek - ŠESTÁK, Sergej - MATULOVÁ, Mária - MUCHA, Ján. Využitie HPLC-MALDI TOF/TOF analýzy derivatizovaných glykánov v diagnostike porúch metabolizmu glykokonjugátov. In *ChemZi : 69. zjazd chemikov, 11.-15. september 2017, Vysoké Tatry, Horný Smokovec*, 2017, vol. 13, p. 134-135. ISSN 1336-7242.
- AFH152      PANČÍK, Filip - VALÁRIKOVÁ, Jana - ČÍŽOVÁ, Alžbeta - BYSTRICKÝ, Slavomír - BARÁTH, Peter. Fragmentation analysis of O-specific bonded saccharides from bacterial samples using LC-MS and MALDI-MS. In *Book of Abstracts: INSTRUCT ULTRA 3rd Structural Biology Meeting, November 14-15,*

2019, Bratislava, Slovakia. - Bratislava : Institute of Chemistry SAS, 2019, p. 25.  
ISBN 978-80-971665-1-9.

- AFH153      PANČÍK, Filip - PAKANOVA, Zuzana - BARÁTH, Peter - ŠIMKOVIC, Ivan. MALDI TOF analysis of carrageenans from *Furcellaria lumbricalis*. In *Ferko Miroslav, Farkaš Pavol (eds.). Zborník abstraktov 2020: Interaktívna konferencia mladých vedcov 2020. Banská Bystrica, 1.5. - 1.6.2020.* - Bratislava : Občianske združenie Preveda, 2020, abstrakt č. 1935. ISBN 978-80-972360-6-9.
- AFH154      PANČÍK, Filip - PAKANOVA, Zuzana - NEMČOVIČ, Marek - MATULOVÁ, Mária. Use of spectral methods for diagnostics of disorders of glycoconjugate metabolism. In *TÓTHOVÁ, Monika - LIDIKOVÁ, Judita - CANDRÁKOVÁ, Kristína - HOLLÝ, Dominik (eds.). Scientific Conference of PhD. Students of FAFR, FBFS and FHLE SUA in Nitra – Proceedings of Abstracts, November 11, 2020, Nitra, Slovakia.* - Nitra : Slovak University of Agriculture in Nitra, 2020, p. 15. ISBN 978-80-552-2242-4.
- AFH155      PÄTOPRSTÝ, Vladimír - KOPÁČOVÁ, Mária - CHYBA, Andrej - DUJNIČ, Viera - UHLIARIKOVÁ, Iveta - MATULOVÁ, Mária. Linkage analysis of plant polysaccharides. In *Book of Abstracts: 24th International Symposium on Separation Sciences (ISSS 2018), 21st International Conference Analytical Methods and Human Health (AMHH 2018), June 17-20, 2018, Jasná, Slovakia.* - Bratislava : Department of Analytical Chemistry, Faculty of Natural Sciences, Comenius University, 2018, p. 147. ISBN 978-80-971179-8-6.
- AFH156      PAVLATOVSKÁ, Barbora - DUDÁŠOVÁ, Hana - MÁROVÁ, Ivana - VADKERTIOVÁ, Renáta - STRATILOVÁ, Eva. Extracellular enzyme activities of soil yeasts. In *44th Annual Conference on Yeast, May 2-5, 2017, SAS Congress Centre, Smolenice, Slovakia.* - Bratislava : Institute of Chemistry SAS, Institute of Animal Biochemistry and Genetics, Centre of Biosciences SAS, 2017, pH4, p. 45. ISSN 1336-4839.
- AFH157      PAVLATOVSKÁ, Barbora - DUDÁŠOVÁ, Hana - STRATILOVÁ, Barbora - MÁROVÁ, Ivana - VADKERTIOVÁ, Renáta - STRATILOVÁ, Eva. Optimization of assay for screening of yeast chitinases. In *44th Annual Conference on Yeast, May 2-5, 2017, SAS Congress Centre, Smolenice, Slovakia.* - Bratislava : Institute of Chemistry SAS, Institute of Animal Biochemistry and Genetics, Centre of Biosciences SAS, 2017, p28, p. 76. ISSN 1336-4839.
- AFH158      PAWLIKOWSKA, E. - BREIEROVÁ, Emília - JAMES, S.A. - KREGIEL, D.. In search of natural biocontrol agents *Metschnikowia* species. In *45th Annual Conference on Yeast. May 15-18 2018, SAS Congress Centre, Smolenice, Slovakia.* - Bratislava : Komisia pre kvasinky pri CHÚ SAV, Ústav biochémie a genetiky živočíchov CBv SAV, 2018, p. 53. ISSN 1336-4839.
- AFH159      PAŽITNÁ, Lucia - HLASOVÁ, Zuzana - MILJUŠ, Goran - ROBAJAC, Dragana - ŠUNDERIĆ, Miloš - PENEZIĆ, Ana - GRIGORIJEVIĆ, Nikola - BARALIĆ, Marko - NEDIĆ, Olgica - KATRLÍK, Jaroslav. Analýza glykánov fibrinogénu, transferínu, alfa-2-makroglobulínu a sér pacientov s peritoneálnou dialýzou pomocou lektínovej microarray metódy. In *ChemZi : Zborník abstraktov:*

- AFH160 PAŽITNÁ, Lucia - NEMČOVIČ, Marek - PAKANOVÁ, Zuzana - BARÁTH, Peter - ALIEV, Teimur - DOLGIKH, Dmitry - ARGENTOVA, Victoria - KATRLÍK, Jaroslav. Analýza glykánov rekombinantných IgA microarray metódou založenou na lektínoch a technikou MALDI-MS. In *Ferko Miroslav, Farkaš Pavol (eds.). Zborník abstraktov 2020: Interaktívna konferencia mladých vedcov 2020. Banská Bystrica, 1.5. - 1.6.2020. - Bratislava : Občianske združenie Preveda, 2020, abstrakt č. 2007. ISBN 978-80-972360-6-9.*
- AFH161 PAŽITNÁ, Lucia - HLASOVÁ, Zuzana - MILJUŠ, Goran - ŠUNDERIĆ, Miloš - PENEZIĆ, Ana - GRIGORIJEVIĆ, Nikola - BARALIĆ, Marko - NEDIĆ, Olgica - KATRLÍK, Jaroslav. Analýza glykánov sérových glykoproteínov u pacientov s peritoneálnou dialýzou lektínovou microarray metódou. In *PREVEDA : interaktívna konferencia mladých vedcov 2019. Book of Abstracts. - Bratislava : Občianske združenie Preveda, 2019, abstrakt č. 1868. ISBN 978-80-972360-4-5.*
- AFH162 PAŽITNÁ, Lucia - KIANIČKOVÁ, Kristína - KUNDALIA, Paras - DOBRIJEVIĆ, Zorana - GLIGORIJEVIĆ, Nikola - MILJUŠ, Goran - PENEZIĆ, Ana - ROBAJAC, Dragana - ŠUNDERIĆ, Miloš - NEDIĆ, Olgica - MANDIĆ MARKOVIĆ, Vesna - RADOJIČIĆ, Ognjen - MILKOVIĆ, Željko - KATRLÍK, Jaroslav. Analýza zmien glykánového zloženia sér v súvislosti s tehotenskou cukrovkou pomocou microarray metódy založenej na lektínoch. In *PREVEDA : interaktívna konferencia mladých vedcov 2021. Book of abstracts. - Banská Bystrica : Občianske združenie Preveda, 2021, abstract no. 2239. ISBN 978-80-972360-7-6.*
- AFH163 PAŽITNÁ, Lucia - NEMČOVIČ, Marek - PAKANOVÁ, Zuzana - BARÁTH, Peter - ALIEV, Teimur - DOLGIKH, Dmitry - ARGENTOVA, Victoria - KATRLÍK, Jaroslav. Application of lectin-based microarray and MALDI-MS technique for glycosylation analysis of recombinant monoclonal IgA antibodies. In *TÓTHOVÁ, Monika* - *LIDIKOVÁ, Judita* - *CANDRÁKOVÁ, Kristína* - *HOLLÝ, Dominik (eds.). Scientific Conference of PhD. Students of FAFR, FBFS and FHLE SUA in Nitra with international participation. 11th November 2020, Nitra, Slovak Republic : proceedings of abstracts. - Nitra : Slovak University of Agriculture in Nitra, 2020, p. 34. ISBN 978-80-552-2242-4.*
- AFH164 PAŽITNÁ, Lucia - KIANIČKOVÁ, Kristína - KUNDALIA, Paras - DOBRIJEVIĆ, Zorana - GLIGORIJEVIĆ, Nikola - MILJUŠ, Goran - PENEZIĆ, Ana - ROBAJAC, Dragana - ŠUNDERIĆ, Miloš - NEDIĆ, Olgica - MANDIĆ MARKOVIĆ, Vesna - MIKOVIĆ, Željko - RADOJIČIĆ, Ognjen - KATRLÍK, Jaroslav. Glykoprolifácia sér a plazmy vzoriek tehotenskej cukrovky pomocou na lektínoch založenej microarray. In *Drobníčov memoriál : Zborník príspevkov a program. 11. ročník. Chata Trubárka, Trenčín - Kubrica, 2. - 4. september 2021. - Bratislava : Centrum biovied - Ústav molekulárnej fyziológie a genetiky, SAV, 2021, p. 46. ISBN 978-80-972752-8-0.*
- AFH165 PAŽITNÁ, Lucia - KIANIČKOVÁ, Kristína - KUNDALIA, Paras - DOBRIJEVIĆ, Zorana - GLIGORIJEVIĆ, Nikola - MILJUŠ, Goran - PENEZIĆ, Ana - ROBAJAC, Dragana - ŠUNDERIĆ, Miloš - NEDIĆ, Olgica - MANDIĆ

MARKOVIĆ, Vesna - MIKOVIĆ, Željko - RADOJIČIĆ, Ognjen - KATRLÍK, Jaroslav. Sledovanie zmien glykánového zloženia sér a plazmy vo vzorkách tehotenskej cukrovky na lektínoch založenou microarray metódou. In *ChemZi : Zborník abstraktov: 73. zjazd chemikov, 6-10 september 2021, Vysoké Tatry, Horný Smokovec, Slovensko*. - Bratislava : Slovenská chemická spoločnosť, 2021, 2021, roč. 17, p. 83, 1P21. ISSN 1336-7242.

AFH166 PETRUŠ, Ladislav - PRIBULOVÁ, Božena - SMRTIČOVÁ, Hana - VLČKOVÁ, Silvia - PETRUŠOVÁ, Mária. Toward synthesis of hexa-anhydro-cyclododecane-dodecol, sugar-based analogue of dodecahedrane possessing a cavity for hydrogen bonding. In *Proceedings of the 14th Bratislava Symposium on Saccharides "Glycochemistry for biology and medicine"*. Smolenice Castle, Slovakia, June 25-30, 2017. - Bratislava : Institute of Chemistry SAS, 2017, cP1, p. 39. ISBN 978-80-971156-3-0.

AFH167 PETRUŠOVÁ, Mária - SMRTIČOVÁ, Hana - PRIBULOVÁ, Božena - KÓŇA, Juraj - MATULOVÁ, Mária - ŠESTÁK, Sergej - MUCHA, Ján - KOŽÍŠEK, Jozef - PETRUŠ, Ladislav. Synthesis of mimetics of the transition state of inverting glycosyltransferases. In *Proceedings of the 14th Bratislava Symposium on Saccharides "Glycochemistry for biology and medicine"*. Smolenice Castle, Slovakia, June 25-30, 2017. - Bratislava : Institute of Chemistry SAS, 2017, p14, p. 86. ISBN 978-80-971156-3-0.

AFH168 PINKOVÁ GAJDOŠOVÁ, Veronika - LORENCOVÁ, Lenka - TKÁČ, Ján. Elektrochemická detekcia vlastností MXénu modikovanéhoderivátmi aryldiazóniových betaínov. In *PREVEDA : interaktívna konferencia mladých vedcov 2021. Book of abstracts*. - Banská Bystrica : Občianske združenie Preveda, 2021, abstract no. 2113. ISBN 978-80-972360-7-6.

AFH169 PINKOVÁ GAJDOŠOVÁ, Veronika - LORENCOVÁ, Lenka - JERIGOVÁ, Monika - VELIČ, Dušan - KASÁK, Peter - TKÁČ, Ján. Elektrochemická detekcia medzifázových vlastností MXénu Ti3C2Tx modifikovaného derivátmi aryldiazóniových betaínov. In *Študentská vedecká konferencia PriF UK 2021 : zborník recenzovaných príspevkov*. - Bratislava : Univerzita Komenského v Bratislave, Prírodovedecká fakulta MS TEAMS, 2021, s. 394-399. ISBN 978-80-223-5132-4.

AFH170 PINKOVÁ GAJDOŠOVÁ, Veronika - PAŽITNÁ, Lucia - KVĚTOŇ, Filip - JÁNĚ, Eduard - PAKANOVÁ, Zuzana - LORENCOVÁ, Lenka - BARÁTH, Peter - KATRLÍK, Jaroslav - TKÁČ, Ján. Glykoprolácia sér pomocou MICROARRAY a MALDY-TOF MS u pacientiek s rakovinou prsníka. In *ChemZi : Zborník abstraktov: 73. zjazd chemikov, 6-10 september 2021, Vysoké Tatry, Horný Smokovec, Slovensko*. - Bratislava : Slovenská chemická spoločnosť, 2021, 2021, roč. 17, p. 172, 1Po27. ISSN 1336-7242.

AFH171 PINKOVÁ GAJDOŠOVÁ, Veronika - LORENCOVÁ, Lenka - PAŽITNÁ, Lucia - KATRLÍK, Jaroslav - TKÁČ, Ján. Glykoprolácia proteínov ako pokročilý prístup pre diagnostiku rakoviny prsníka. In *Ferko Miroslav, Farkaš Pavol (eds.). Zborník abstraktov 2020: Interaktívna konferencia mladých vedcov 2020. Banská*



*Bystrica, 1.5. - 1.6.2020. - Bratislava : Občianske združenie Preveda, 2020, abstrakt č. 1877. ISBN 978-80-972360-6-9.*

- AFH172 PINKOVÁ GAJDOŠOVÁ, Veronika - LORENCOVÁ, Lenka - TKÁČ, Ján. Protein glycoprofiling as advanced tool for breast cancer diagnostics. In TÓTHOVÁ, Monika - LIDIKOVÁ, Judita - CANDRÁKOVÁ, Kristína - HOLLÝ, Dominik (eds.). *Scientific Conference of PhD. Students of FAFR, FBFS and FHLE SUA in Nitra – Proceedings of Abstracts : 11th November 2020. - Nitra : Slovak University of Agriculture in Nitra, 2020, p. 35. ISBN 978-80-552-2242-4.*
- AFH173 PINKOVÁ GAJDOŠOVÁ, Veronika - LORENCOVÁ, Lenka - TKÁČ, Ján. Sledovanie vplyvu leptantov na elektrochemické správanie vzoriek MXénu Ti3C2Tx. In *PREVEDA : interaktívna konferencia mladých vedcov 2019. Book of Abstracts. - Bratislava : Občianske združenie Preveda, 2019, abstrakt č. 1809. ISBN 978-80-972360-4-5.*
- AFH174 PINKOVÁ GAJDOŠOVÁ, Veronika - LORENCOVÁ, Lenka - OMASTOVÁ, Mária - PROCHÁZKA, Michal - PROCHÁZKOVÁ, Simona - JERIGOVÁ, Monika - VELIČ, Dušan - TKÁČ, Ján. Sledovanie vplyvu leptantov na elektrochemické správanie vzoriek MXénu Ti3C2TX. In *ChemZi : Zborník abstraktov: 71. Zjazd chemikov, 9-13 september 2019, Vysoké Tatry, Horný Smokovec, Slovensko, 2019, roč. 15, č. 1, s. 155. ISSN 1336-7242.*
- AFH175 PIPIKOVÁ, Jana - DUDÁŠOVÁ, Hana - MOLNÁROVÁ, J. - VADKERTIOVÁ, Renáta. Characterization of a novel basidiomycetous *Moniliella* species associated with fruit trees. In *Renáta Vadkertiová, Hana Dudášová* (eds.). *Programme & Abstracts: 46th Annual Conference on Yeasts, May 7 - 10, 2019, SAS Congress Centre, Smolenice, Slovakia. - Bratislava : Institute of Chemistry, Slovak Academy of Sciences and Commission on Yeasts of the Czechoslovak Society of Microbiology, 2019, p. 73. ISSN 1336-4839.*
- AFH176 PŁOSKA, Justyna - STASIAK-RÓŻAŃSKA, Lidia. Chemical and physicochemical mutagenization as a factor determinating the phenotype changes of selected biochemical features of *Komagataeibacter xylinus* bacteria. In *Ferko Miroslav, Farkaš Pavol* (eds.). *Zborník abstraktov 2020: Interaktívna konferencia mladých vedcov 2020. Banská Bystrica, 1.5. - 1.6.2020. - Bratislava : Občianske združenie Preveda, 2020, abstrakt č. 1893. ISBN 978-80-972360-6-9.*
- AFH177 POSPÍŠILOVÁ, Šárka\*\* - HRICOVÍNIOVÁ, Jana - ČÍŽEK, Alois - JAMPÍLEK, Josef - HRICOVÍNIOVÁ, Zuzana. Antioxidant, antibacterial and anti-biofilm activity of new unnatural gallotannins. In *PREVEDA Interaktívna konferencia mladých vedcov 2021. Book of abstracts. - Banská Bystrica : Občianske združenie Preveda, 2021, abstract no. 2096. ISBN 978-80-972360-7-6.*
- AFH178 RADOŠINSKÁ, Jana - MÉZEŠOVÁ, Lucia - OKRUHLICOVÁ, Ľudmila - FRIMMEL, Karel - BREIEROVÁ, Emília - BARTEKOVÁ, Monika - VRBJAR, Norbert. Vplyv karotenoidov na vybrané charakteristiky erytrocytov u zdravých potkanov a u potkanov vystavených podaniu LPS. In *93. Fyziologické dni, 31. 1. – 2. 2. 2017, Košice : zborník abstraktov. - Košice : Universum, 2017, s. 106. ISBN 978-80-89046-98-0.*

- AFH179      SAMEK, Oto - HARONIKOVÁ, Andrea - MÁROVÁ, Ivana - BREIEROVÁ, Emília - BERNATOVÁ, S. - KRYŽÁNEK, V. - JEŽEK, J. - ZEMÁNEK, P. Raman spectroscopy: Capabilities and applications in monitoring the growth of yeast cultures. In *43rd Annual Conference on Yeasts, May 10-13, 2016, SAS Congress Centre, Smolenice, Slovakia.* - Bratislava : Yeast Commission, Institute of Chemistry, Slovak Academy of Sciences, Institute of Animal Biochemistry and Genetics SAS, Faculty of Chemical and Food Technology SUT, 2016, 127, p. 43. ISBN 1336-4839.
- AFH180      SCHENKMAYEROVÁ, Andrea - BALCOMB, Blake - STRAUSS, Erick. Redox regulation as an antistaphylococcal drug target. In *Proceedings of the 14th Bratislava Symposium on Saccharides "Glycochemistry for biology and medicine". Smolenice Castle, Slovakia, June 25-30, 2017.* - Bratislava : Institute of Chemistry SAS, 2017, fP3, p. 63. ISBN 978-80-971156-3-0.
- AFH181      DUDÁŠOVÁ, Hana - VADKERTIOVÁ, Renáta. Enzymatic activities of yeasts related to their diversity in soil. In *45th Annual Conference on Yeast. May 15-18 2018, SAS Congress Centre, Smolenice, Slovakia.* - Bratislava : Komisia pre kvasinky pri CHÚ SAV, Ústav biochémie a genetiky živočíchov CBv SAV, 2018, p. 45. ISSN 1336-4839.
- AFH182      DUDÁŠOVÁ, Hana - VADKERTIOVÁ, Renáta - POCZOVÁ. Killer activity of soil yeasts against natural and clinical isolates. In *Vadkertiová, Renáta - Dudášová Hana (eds.). Programme & Abstracts: 46th Annual Conference on Yeasts, May 7 - 10, 2019, SAS Congress Centre, Smolenice, Slovakia.* - Bratislava : Institute of Chemistry, Slovak Academy of Sciences and Commission on Yeasts of the Czechoslovak Society of Microbiology, 2019, p. 71. ISSN 1336-4839.
- AFH183      DUDÁŠOVÁ, Hana - VADKERTIOVÁ, Renáta. Killer activity of yeasts associated with the soil adjacent to fruit trees. In *44th Annual Conference on Yeast, May 2-5, 2017, SAS Congress Centre, Smolenice, Slovakia.* - Bratislava : Institute of Chemistry SAS, Institute of Animal Biochemistry and Genetics, Centre of Biosciences SAS, 2017, p6, p. 55. ISSN 1336-4839.
- AFH184      DUDÁŠOVÁ, Hana - VADKERTIOVÁ, Renáta - BIELY, Peter. Participation of soil yeasts in degradation plant polysaccharides. In *45th Annual Conference on Yeast. May 15-18 2018, SAS Congress Centre, Smolenice, Slovakia.* - Bratislava : Komisia pre kvasinky pri CHÚ SAV, Ústav biochémie a genetiky živočíchov CBv SAV, 2018, p. 40. ISSN 1336-4839.
- AFH185      SLÁDEK, Vladimír - HARADA, Ryuhei - SHIGETA, Yasuteru. Analysis of protein dynamics and structure by nt-PaCS-MD and ProGA. In *Book of Abstracts: INSTRUCT ULTRA 3rd Structural Biology Meeting, November 14-15, 2019, Bratislava, Slovakia.* - Bratislava : Institute of Chemistry SAS, 2019, p. 19. ISBN 978-80-971665-1-9.
- AFH186      SLÁDEK, Vladimír - KÓŇA, Juraj - TOKIWA, Hiroaki. Interaction pattern switching in ligand...receptor binding in golgi alfa-mannosidase II induced by inhibitors protonations state. In *Proceedings of the 14th Bratislava Symposium on*

*Saccharides "Glycochemistry for biology and medicine". Smolenice Castle, Slovakia, June 25-30, 2017.* - Bratislava : Institute of Chemistry SAS, 2017, oP20, p.58. ISBN 978-80-971156-3-0.

- AFH187      SLÁDEK, Vladimír - KÓŇA, Juraj - TOKIWA, Hiroaki - SHIGETA, Yasuteru. Protein residue networks and the binding of human cytomegalovirus UL 141 to TRAIL-R2. In *Joint Czechoslovak Virology Conference 2019 and 1st SK-AT Structural Virology Meeting : book of abstracts.* - České Budějovice : Biologické centrum AV ČR, v.v.i., 2019, p. ISBN 978-80-86668-53-6.
- AFH188      SPIŠÁKOVÁ, Mária - BELLA, Maroš - KOŇŠ, Miroslav. Towards the synthesis of potential inhibitor of  $\alpha$ -mannosidase II designed by computational methods. In *PREVEDA : Interaktívna konferencia mladých vedcov.* - Bratislava : Občianske združenie PREVEDA, 2016, abstrakt č. 1384. ISBN 978-80-972360-0-7.
- AFH189      STRATILOVÁ, Barbora - DUDÁŠOVÁ, Hana - VADKERTIOVÁ, Renáta. Creation of MS based database for the Culture Collection of Yeasts. In *Vadkertiová, Renáta - Dudášová, Hana (eds.). Programme & Abstracts: 46th Annual Conference on Yeasts, May 7 - 10, 2019, SAS Congress Centre, Smolenice, Slovakia.* - Bratislava : Institute of Chemistry, Slovak Academy of Sciences and Commission on Yeasts of the Czechoslovak Society of Microbiology, 2019, p. 74. ISSN 1336-4839.
- AFH190      STRATILOVÁ, Barbora - ŠESTÁK, Sergej - KOZMON, Stanislav - STRATILOVÁ, Eva. Modulating the xyloglucan endotransglycosylase acceptor specificity by structure-based protein engineering. In *Proceedings of the 14th Bratislava Symposium on Saccharides "Glycochemistry for biology and medicine". Smolenice Castle, Slovakia, June 25-30, 2017.* - Bratislava : Institute of Chemistry SAS, 2017, p17, p. 89. ISBN 978-80-971156-3-0.
- AFH191      STRATILOVÁ, Barbora - PERNICOVÁ, I. - PAVLATOVSKÁ, Barbora - DUDÁŠOVÁ, Hana - MÁROVÁ, Ivana - VADKERTIOVÁ, Renáta - STRATILOVÁ, Eva. Polygalacturonases of yeasts associated with natural environments. In *44th Annual Conference on Yeast, May 2-5, 2017, SAS Congress Centre, Smolenice, Slovakia.* - Bratislava : Institute of Chemistry SAS, Institute of Animal Biochemistry and Genetics, Centre of Biosciences SAS, 2017, p15, p. 63. ISSN 1336-4839.
- AFH192      STRATILOVÁ, Barbora - KOZMON, Stanislav. Stability of reaction complex of specific and nonspecific xyloglucan endotransglycosylase (XET) with linear oligosaccharides as acceptors. In *PODHRADSKÁ, Silvia - BENKOVÁ, Zuzana (eds.). BIMac 2019 : Computational and Experimental Approach to Polymers in Biomedical and Soft Matter : 23rd Bratislava International Conference on Macromolecules : Programme and Abstracts Book.* - Bratislava : Polymer Institute of Slovak Academy of Sciences, 2019, p. 68-69, P-8. ISBN 978-80-89841-10-3.
- AFH193      STRATILOVÁ, Barbora - KOZMON, Stanislav - STRATILOVÁ, Eva. Study of the xyloglucan endotransglycosylase (XET) interactions with substrates using computational chemistry tools. In *Instruct-Ultra : 2nd Structural biology meeting.* - Bratislava : Chemický ústav SAV, 2018, p. 18. ISBN 978-80-971156-6-1.

- AFH194      STRATILOVÁ, Barbora - KOZMON, Stanislav. Study of the N-acetylglucosaminyltransferase-V (GnT-V) interactions with substrates using computational chemistry tools. In *Book of Abstracts: INSTRUCT ULTRA 3rd Structural Biology Meeting, November 14-15, 2019, Bratislava, Slovakia.* - Bratislava : Institute of Chemistry SAS, 2019, p. 20. ISBN 978-80-971665-1-9.
- AFH195      ŠEDIVÁ, Mária - LAHO, Maroš - BRTKOVÁ, Andrea - KOPERNICKÝ, Ján - KLAUDINY, Jaroslav. Eric genotyping of honeybee pathogen *paenibacillus* larvae occurring in Slovakia. In *Applied natural sciences 2017 : conference proceedings of the 6th Biennial international scientific conference.* - Trnava : University of SS. Cyril and Methodius in Trnava, 2017, p. 80. ISBN 978-80-8105-547-8.
- AFH196      ŠEDIVÁ, Mária - LAHO, Maroš - KOHÚTOVÁ, Lenka - MOJŽIŠOVÁ, Andrea - MAJTÁN, Juraj - KLAUDINY, Jaroslav. The effect of pH on antibacterial activity of 10-HDA, a major royal jelly fatty acid, against honeybee pathogen *Paenibacillus* larvae. In *Book of Abstracts: 7th International Scientific Conference Applied Natural Sciences 2019, September 25-27, 2019, Tále, Low Tatras, Slovakia.* - Trnava : University of SS. Cyril and Methodius in Trnava, 2019, p. 131. ISBN 978-80-572-0011-6.
- AFH197      ŠÍPOŠOVÁ, Kristína - VATEHOVÁ, Zuzana - KOLLÁROVÁ, Karin - LIŠKOVÁ, Desana. The effects growth-promoting auxin concentration on the root cell wall composition. In *KATRLÍK, Jaroslav - BARÁTH, Marek (eds.). Proceedings of the 14th Bratislava Symposium on Saccharides "Glycochemistry for biology and medicine", June 25-30, 2017, Smolenice, Slovakia.* - Bratislava : Institute of Chemistry SAS, 2017, p. 91, P19. ISBN 978-80-971156-3-0. ISSN 1339-7036.
- AFH198      ŠVECOVÁ, Natália - BERTÓK, Tomáš - LORENCOVÁ, Lenka - TKÁČ, Ján. Inovatívne prístupy v diagnostike karcinómu prostaty. In *ChemZi : Zborník abstraktov: 73. zjazd chemikov, 6-10 september 2021, Vysoké Tatry, Horný Smokovec, Slovensko.* - Bratislava : Slovenská chemická spoločnosť, 2021, 2021, roč. 17, p. 172, 1Po34. ISSN 1336-7242.
- AFH199      TKÁČ, Ján - BERTÓK, Tomáš - DAMBORSKÁ, Dominika - BELICKÝ, Štefan - KVĚTOŇ, Filip - KASÁK, Ján. Application of biosensors in glycoprofiling of cancer biomarkers. In *Proceedings of the 14th Bratislava Symposium on Saccharides "Glycochemistry for biology and medicine". Smolenice Castle, Slovakia, June 25-30, 2017.* - Bratislava : Institute of Chemistry SAS, 2017, oP9, p. 47. ISBN 978-80-971156-3-0.
- AFH200      TKÁČ, Ján - BERTÓK, Tomáš - LORENCOVÁ, Lenka - BELICKÁ, Ľudmila, Kľuková - HOLAZOVÁ, Alena - CHOCHOLOVÁ, Erika - KVĚTOŇ, Filip - KASÁK, Peter. Nanomaterials employed for electrochemical sensing, biosensing and energy applications. In *STRAKOVÁ FEDORKOVÁ, Andrea - PETRUŠ, Ondrej (eds.). Book of Abstracts: The 3rd International Conference on Nanomaterials: Fundamentals and Applications, October 9-11, 2017, Štrbské Pleso, High Tatras, Slovakia.* - Košice : NFA, 2017, p. 54. ISBN 978-80-8152-530-8.
- AFH201      TKÁČ, Ján\*\* - BERTÓK, Tomáš - LORENCOVÁ, Lenka - HÍREŠ, Michal - JÁNÉ, Eduard - PINKOVÁ GAJDOŠOVÁ, Veronika - BLŠÁKOVÁ, Anna.

Nanotechnology in biosensing and bioanalysis. In *The 5th International Conference on Nanomaterials: Fundamentals and Applications Abstract Book. 10 October - 13 October 2021, Štrbské pleso. SR.* - 2021, p. 11. ISBN 978-80-574-0039-4.

- AFH202     TKÁČ, Ján - DAMBORSKÁ, Dominika - KUBÁNIKOVÁ, Petra - SOKOL, Roman. Využitie analýzy glykánov v diagnostike rakoviny prostaty. In *Abstrakty: 24. výročná konferencia Slovenskej urologickej spoločnosti SLS a konferencia sestier pracujúcich v urológii pri SLS, 7.-9. jún 2017, Trenčianske Teplice, Slovensko.* - Bratislava, 2017, klinická urológia, 2017, roč. 13, č. 2, s. 92. ISSN 1336-7579.
- AFH203     TURJAN, Jozef - PUJOL, C.A. - KOZÁK, Ján - CAPEK, Peter. Biological effect of beech glucuronoxylan sulfates. In *ChemZi : 69. zjazd chemikov, 11.-15. september 2017, Vysoké Tatry, Horný Smokovec. 6Po16*, 2017, vol. 13, p. 196. ISSN 1336-7242.
- AFH204     UHLIARIKOVÁ, Iveta - MATULOVÁ, Mária - PÄTOPRSTÝ, Vladimír - KORMANEC, Ján. Structural characterization of two intermediate biosynthetic products of angucycline antibiotic auricin from streptomyces aureofaciens CCM 3239. In *ChemZi : 69. zjazd chemikov, 11.-15. september 2017, Vysoké Tatry, Horný Smokovec*, 2017, vol. 13, p. 146. ISSN 1336-7242.
- AFH205     UHLIARIKOVÁ, Iveta - MATULOVÁ, Mária - CEPÁK, Vladislav - LUKAVSKÝ, Jaromír - CAPEK, Peter. The exopolysaccharide produced by the cyanobacterium Nostoc sp. - a structural study. In *Book of Abstracts: INSTRUCT ULTRA 3rd Structural Biology Meeting, November 14-15, 2019, Bratislava, Slovakia.* - Bratislava : Institute of Chemistry SAS, 2019, p. 16. ISBN 978-80-971665-1-9.
- AFH206     UHLIARIKOVÁ, Iveta - MATULOVÁ, Mária - PÄTOPRSTÝ, Vladimír - SASINKOVÁ, Vlasta - FECKOVÁ, Ľubomíra - NOVÁKOVÁ, Renáta - MINGYAR, Erik - CSOLLEIOVÁ, Dominika - ŠEVČÍKOVÁ, Beatrice - REŽUCHOVÁ, Bronislava - HOMEROVÁ, Dagmar - KORMANEC, Ján. The structure of the angucycline-like antibiotic auricin from Streptomyces lavendulae subsp. lavendulae CCM 3239. In *Book of Abstracts: 24th International Symposium on Separation Sciences (ISSS 2018), 21st International Conference Analytical Methods and Human Health (AMHH 2018), June 17-20, 2018, Jasná, Slovakia.* - Bratislava : Department of Analytical Chemistry, Faculty of Natural Sciences, Comenius University, 2018, p. 110. ISBN 978-80-971179-8-6.
- AFH207     KOVÁČOVÁ, Kristína - FARKAŠ, Vladimír. Two fluorescent microplate assays of polysaccharide transglycosylases. In *Proceedings of the 14th Bratislava Symposium on Saccharides "Glycochemistry for biology and medicine". Smolenice Castle, Slovakia, June 25-30, 2017.* - Bratislava : Institute of Chemistry SAS, 2017, p5, p. 77. ISBN 978-80-971156-3-0.
- AFH208     KOVÁČOVÁ, Kristína - FARKAŠ, Vladimír. Two variants a high-throughput microplate assay of polysaccharide endotransglycosylases. In *44th Annual Conference on Yeast, May 2-5, 2017, SAS Congress Centre, Smolenice, Slovakia.* -

Bratislava : Institute of Chemistry SAS, Institute of Animal Biochemistry and Genetics, Centre of Biosciences SAS, 2017, p8, p. 57. ISSN 1336-4839.

- AFH209      VADKERTIOVÁ, Renáta - DUDÁŠOVÁ, Hana - STRATILOVÁ, Eva. Diversity of yeasts associated with fruit trees. In *45th Annual Conference on Yeast. May 15-18 2018, SAS Congress Centre, Smolenice, Slovakia.* - Bratislava : Komisia pre kvasinky pri CHÚ SAV, Ústav biochémie a genetiky živočíchov CBv SAV, 2018, p. 20. ISSN 1336-4839.
- AFH210      VADKERTIOVÁ, Renáta - DUDÁŠOVÁ, Hana. Verification of yeast species originated from southwest Slovakia. In *44th Annual Conference on Yeast, May 2-5, 2017, SAS Congress Centre, Smolenice, Slovakia.* - Bratislava : Institute of Chemistry SAS, Institute of Animal Biochemistry and Genetics, Centre of Biosciences SAS, 2017, p22, p. 70. ISSN 1336-4839.
- AFH211      VATEHOVÁ, Zuzana - MALOVÍKOVÁ, Anna - KOLLÁROVÁ, Karin - LIŠKOVÁ, Desana. Cadmium distribution in maize plants. In *ChemZi : 69. zjazd chemikov, 11.-15. september 2017, Vysoké Tatry, Horný Smokovec*, 2017, vol. 13, p. 207. ISSN 1336-7242.
- AFH212      VYŠEHRADSKÁ, Laura - JANOŠKOVÁ, Michaela - POLÁKOVÁ, Monika - JANTOVÁ, Soňa. Protinádorová aktivita nových derivátov manózy. In *PREVEDA : Interaktívna konferencia mladých vedcov.* - Bratislava : Občianske združenie PREVEDA, 2016, abstrakt č. 1370. ISBN 978-80-972360-0-7.
- AFH213      ZAJIČKOVÁ, Mária, Spišáková - BELLA, Maroš - KOÓŠ, Miroslav. Syntéza potenciálneho inhibítora alfa-manozidázy II navrhnutého pomocou molekulového modelovania. In *69. Zjazd chemikov, 11. – 15. september 2017, Vysoké Tatry, Horný Smokovec, Slovensko.* - Bratislava : Slovenská chemická spoločnosť, 2017, chemZi, 2017, roč. 13, č. 1, s. 183-184, 5Po32. ISSN 1336-7242.
- AFH214      ZIBUROVÁ, Jana - NEMČOVIČ, Marek - ŠESTÁK, Sergej - BELLOVÁ, Jana - ŠALINGOVÁ, Anna - SKOKŇOVÁ, Martina - ŠEBOVÁ, Claudia - MUCHA, Ján - BARÁTH, Peter. Glykomická a genetická analýza suspektného ALG12-CDG pacienta. In *ŠEVČOVIČOVÁ, Andrea* - *KYZEK, Stanislav (eds.). Zborník abstraktov: Genetická konferencia Genetickej spoločnosti Gregora Mendela 2018, 12.-14. september 2018, Bratislava, Slovensko.* - Bratislava : Univerzita Komenského v Bratislave, 2018, p. 95. ISBN 978-80-223-4545-3.

#### **AFK Foreign conferences posters**

- AFK01      AMBRO, Ľuboš - LUKÁČOVÁ, Magdaléna - HADŽEGA, Dominik - LINK, R. - KLUČÁR, Ľuboš - DANCHENKO, Maksym - BARÁTH, Peter. Cryptic plasmids of the *Lactiplantibacillus plantarum* LS/07 probiotic co-determine its membrane-associated proteome and secreted proteome. In *Tomáškovy dny 2021 : XXX. konferencia mladých mikrobiológů.* - Brno : Masarykova univerzita, 2021, p. P01. ISBN 978-80-210-9882-4.
- AFK02      BARÁTH, Marek - HIRSCH, Ján - PUCHART, Vladimír - BIELY, Peter. GH 30 glucuronoxylanases - a challenge to chemically synthesized chromogenic

substrate. In *XXV. Biochemický sjezd : Sborník přednášek a posteru, program.* - Praha : Venice Praha, 2016, s. 135. ISBN 978-80-270-0331-0.

- AFK03 BENKO, Mário - NEMČOVIČ, Marek - NEMČOVIČOVÁ, Ivana. Heterologous expression, purification and preliminary characterization of HCMV immunoevasin UL144. In *Power of viruses : programme and abstracts.* - Zagreb, Croatia : Croatian Microbiology Society, 2018, p. 108. ISBN 978-953-7778-15-6.
- AFK04 DAMBORSKÁ, Dominika. Biosensors with nanostructured interfaces applicable in prostate cancer diagnosis: Glycomic Approach. In *NANOCON 2016, 8th International Conference of Nanomaterials - Research and Application, October 19th - 21st 2016 Brno, Czech Republic.* - Ostrava : TANGER Ltd., 2016, pC50, p. 124. ISBN 978-80-87294-68-0.
- AFK05 GLIGORIJEVIČ, Nikola - KRIŽÁKOVÁ, Martina, Zámorová - KATRLÍK, Jaroslav - NEDIČ, Olgica. Glycosylation changes of fibrinogen in relation to aging possible influence on fibrinogen activity. In *FEBS Journal*, 2017, vol. 284, supplement 1, : 42nd FEBS Congress from Molecules to Cells and Back.1--14 September, 2017, Jerusalem, Israel, P.1.3-007, p. 182. (2016: 3.902 - IF, Q2 - JCR, 2.297 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 1742-464X.
- AFK06 HORVÁTHOVÁ, Eva - MASTIHUBOVÁ, Mária - GÁLOVÁ, Eliška - ŠEVČOVIČOVÁ, Andrea - ANTALOVÁ, V. - MASTIHUBA, Vladimír. Does various structure derivation of salidroside molecule affect the activity of derivatives in cell-free tests and on human cells cultured in vitro? In *Interdisciplinary toxicology.* - Bratislava : Slovak Toxicology Society SETOX : Institute of Experimental Pharmacology and Toxicology SAS, 2020, vol. 13, suppl. 1, p. 48-49. (2019: 0.337 - SJR, Q3 - SJR). (2020 - SCOPUS). ISSN 1337-6853.
- AFK07 HRICOVÍNÍ, Michal - HRICOVÍNÍ, Miloš. Photochemically induced syn-anti isomerization of quinazoline-derived Schiff's bases: EPR, NMR and DFT analysis. In *JAMPÍLEK, Josef - MARVANOVÁ, Pavlína (eds.) Book of Abstracts: 8th Central European Conference "Chemistry towards Biology", August 28-September 1, 2016, Brno, Czech Republic.* - Brno : University of Veterinary and Pharmaceutical Sciences Brno, 2016, p. 104, P-24. ISBN 978-80-7305-777-0.
- AFK08 HRICOVÍNÍ, Miloš. NMR and DFT analysis of 3D structure and spin-spin coupling constants in heparin pentasaccharide. In *Czech Chemical Society Symposium Series.* - Praha, ČR : Czech Chemical Society, 2016, vol. 14, no. 5, p. 286, 10P-01. ISSN 2336-7202.
- AFK09 HRICOVÍNIOVÁ, Zuzana - HRICOVÍNÍ, Michal - BREZOVÁ, Vlasta - MAGDOLEN, Peter. N-Aryl- and N-heteroaryl- $\beta$ -D-glucuron amides as potential anticancer agents: synthesis and spectroscopic analysis. In *Czech Chemical Society Symposium Series.* - Praha, ČR : Czech Chemical Society, 2016, vol. 4, no. 5, p. 251, 6P-01. ISSN 2336-7202.
- AFK10 POTOCKÁ, Elena - KIS, Peter - MASTIHUBOVÁ, Mária - MASTIHUBA, Vladimír. Metóda stanovenia a screening beta-D-apiozidáz. In *Czech Chemical*

- AFK11 KUSÁ, Zuzana - KOLLÁROVÁ, Karin - VATEHOVÁ, Zuzana - LIŠKOVÁ, Desana. The response of protoplasts from two maize hybrid on abiotic stress. In *Bulletin České společnosti experimentální biologie rostlin a Fyziologické sekce Slovenské botanické společnosti : 14th International Student Conference on Experimental Plant Biology, 7th to 8th September 2017, Bratislava, Slovakia. Book of Abstracts*, 2017, roč. 17, č. 1, s. 45-46. ISSN 1213-6670.
- AFK12 LENHARTOVÁ, Simona - NEMČOVIČ, Marek - ŠEBOVÁ, Radka - BENKO, Mário - ZAJONC, D.M. - NEMČOVIČOVÁ, Ivana\*\*. Molecular characterization of the native (non-linked) CD160-HVEM protein complex revealed. In *Acta Crystallographica A*, 2021, vol. A77, c1106, PS-41-4. (2020: 2.290 - IF, Q2 - JCR, 0.742 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 2053-2733.
- AFK13 LENHARTOVÁ, Simona - NEMČOVIČ, Marek - NEMČOVIČOVÁ, Ivana - BENKO, Mário. New insight to immunomodulatory potential of viral glycoprotein UL144 (encoded by Human and Rhesus CMV) and its binding to human cell receptor CD160. In *Tomáškovy dny 2021 : XXX. konference mladých mikrobiologů.* - Brno : Masarykova univerzita, 2021, p. 49. ISBN 978-80-210-9882-4.
- AFK14 NEMČOVIČ, Marek - LAPOŠOVÁ, Katarína - PEVALA, Vladimír - ONDROVIČOVÁ, Gabriela - KUTEJOVÁ, Eva - KÚDELOVÁ, Marcela - ŠEDÝ, John R. - ZAJONC, Dirk M. - NEMČOVIČOVÁ, Ivana. Molecular and structural characterization of the immune modulatory protein complex: A novel bidirectional NK activating CD160 in complex with herpesvirus entry mediator HVEM. In *XXV. Biochemický sjezd : Sborník přednášek a posteru, program.* - Praha : Venice Praha, 2016, p037, p. 167. ISBN 978-80-270-0331-0.
- AFK15 NEMČOVIČOVÁ, Ivana - NEMČOVIČ, Marek - KÚDELOVÁ, Marcela - ZAJONC, D.M. Characterization of immune modulatory protein complex CDD160-HVEM participating in bidirectional signalling pathways. In *Materials and Structures*, 2016, vol. 23, no. 2, p. 12-15. (2015: 2.453 - IF, Q1 - JCR, 1.422 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1359-5997.
- AFK16 NEMČOVIČOVÁ, Ivana - NEMČOVIČ, Marek - KÚDELOVÁ, Marcela - ZAJONC, D.M. Isolation, purification and crystalization of a novel bidirectional NK activating ligand CD160 in complex with herpesvirus entry mediator HVEM. In *Acta Crystallographica Section A*, 2016, vol. 72, no.1, p. 242. (2015: 2.333 - IF, Q2 - JCR, 1.178 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 2053-2733.
- AFK17 NOVÁKOVÁ, Slavomíra - DANCHENKO, Maksym - OKAJČEKOVÁ, Terézia - BARANOVIČOVÁ, Eva - KOVÁČ, Andrej - GRENDÁR, Marián - BEKE, Gábor - PÁLEŠOVÁ, Janka - STRNÁDEL, Ján - JANÍČKOVÁ, Mária - HALAŠOVÁ, E. - ŠKOVIEROVÁ, Henrieta. Comparative proteomic and metabolomic analysis of human osteoblasts, differentiated from dental pulp stem cells, revealed signaling pathways promoting osteogenesis. In *XXVI. Annual*



*Congress of Czech and Slovak Societies for Biochemistry and Molecular Biology with cooperation of Austrian and German Biochemical Section : "Life is Biochemistry, Biochemistry is Life". České Budějovice, Czech Republic, August 29th - September 1st, 2021. - Praha : Venice, 2021, p. 161. ISBN 978-80-907779-1-0.*

AFK18        PUJOL, Carlos Alberto - DAMONTE, Elsa Beatriz - TURJAN, Jozef - CAPEK, Peter. The antiviral effect of *Fagus sylvatica* 4OMe-glucuronoxylan sulfates. In *Czech Chemical Society Symposium Series*. - Praha, ČR : Czech Chemical Society, 2016, vol. 14, p. 252, 6P-04. ISSN 2336-7202.

AFK19        VATEHOVÁ, Zuzana - KOLLÁROVÁ, Karin - MALOVÍKOVÁ, Anna - LIŠKOVÁ, Desana. Plant cell walls and their potential protective role in abiotic stress. In *Plant Signaling and Behavior. 4th International Symposium. Proceedings, St. Petersburg, Russia 19-24 June 2016*. - St. Petersburg, Russia : SINEL Co.Ltd, 2016, p. 54. ISBN 978-5-9908187-9-8.

#### **AFL Domestic conferences posters**

AFL01        BALAŠČÁKOVÁ, Marta - DUDÁŠOVÁ, Hana - VADKERTIOVÁ, Renáta. Extracellular enzymatic activity profiles and physiological properties of yeasts associated with soil. In *43rd Annual Conference on Yeasts, May 10-13, 2016, SAS Congress Centre, Smolenice, Slovakia*. - Bratislava : Yeast Commission, Institute of Chemistry, Slovak Academy of Sciences, Institute of Animal Biochemistry and Genetics SAS, Faculty of Chemical and Food Technology SUT, 2016, p6, p. 59. ISBN 1336-4839.

AFL02        BELLA, Maroš - ŠESTÁK, Sergej - LIN, Chun-Hung - MUCHA, Ján - KOÓŠ, Miroslav. Synthesis and biological evaluation of the model inhibitor against N-acetylglucosaminyltransferase I. In *ŠEBESTA, Radovan - SORÁDOVÁ, Zuzana - MEČIAROVÁ, Mária (eds.). Program and Abstracts: Advances in Organic Chemistry – Smolenice 2016, September 4-7, 2016, Smolenice, Slovakia*. - Bratislava : Igor Ilit-RádioPrint, 2016, pO-04, p. 47. ISBN 978-80-89867-00-4.

AFL03        DAMBORSKÝ, Pavel - KRIŽÁKOVÁ, Martina, Zámorová - KATRLÍK, Jaroslav. Surface plasmon resonance and microarray approaches to analyze interactions of prostate-specific antigen with lectins. In *ACP 2016, XIV. medzinárodná konferencia: Súčasný stav a perspektívy analytickej chémie v praxi, Bratislava, 3. až 6. mája 2016*. - Bratislava : Nakladateľstvo STU, 2016, p. 129. ISBN 978-80-227-4556-7.

AFL04        DUDÁŠOVÁ, Hana - BALAŠČÁKOVÁ, Marta - STRATILOVÁ, Eva - VADKERTIOVÁ, Renáta. Yeast diversity in the soil associated with fruit trees. In *43rd Annual Conference on Yeasts, May 10-13, 2016, SAS Congress Centre, Smolenice, Slovakia*. - Bratislava : Yeast Commission, Institute of Chemistry, Slovak Academy of Sciences, Institute of Animal Biochemistry and Genetics SAS, Faculty of Chemical and Food Technology SUT, 2016, p5, p. 58. ISBN 1336-4839.

AFL05        FRAŇOVÁ, Lucia - PUCHART, Vladimír - BIELY, Peter. Novel spectrophotometric quantification of glucuronoyl esterase activity determined on new chromogenic substrates used in glucuronidase-coupled assay. In *4th Conference on Proteins: Naše proteíny 2016-Štruktúra a funkcia, April 19-20, 2016, Bratislava*,

*Slovakia*. - Bratislava : Institute of Molecular Biology SAS, 2016, p. 18. ISBN 978-80-971617-1-2.

- AFL06 HIRONIKOVÁ, Andrea - SAMEK, Oto - GONOVÁ, Dominika - MÁROVÁ, Ivana - BREIEROVÁ, Emília - KRYŽÁNEK, V. Production changes in stressed yeast strains *Metschnikowia* monitored using Raman spectroscopy and SEM. In *43rd Annual Conference on Yeasts, May 10-13, 2016, SAS Congress Centre, Smolenice, Slovakia*. - Bratislava : Yeast Commission, Institute of Chemistry, Slovak Academy of Sciences, Institute of Animal Biochemistry and Genetics SAS, Faculty of Chemical and Food Technology SUT, 2016, hP3, p. 47. ISBN 1336-4839.
- AFL07 HORVÁTHOVÁ, Eva - MASTIHUBOVÁ, Mária - GÁLOVÁ, Eliška - ŠEVČOVIČOVÁ, Andrea - ANTALOVÁ, V. - MASTIHUBA, Vladimír. Structure derivation of salidroside and the activity of derivatives in cellular and cell-free assays. In *Interdisciplinary toxicology*. - Bratislava : Slovak Toxicology Society SETOX : Institute of Experimental Pharmacology and Toxicology SAS, 2021, vol. 14, suppl. 1, p. 31-32. (2020: 0.297 - SJR, Q3 - SJR). (2021 - SCOPUS). ISSN 1337-6853.
- AFL08 HRICOVÍN, Miloš. Theoretical and experimental analysis of heparin pentasaccharide. In *ChemZi : 69. zjazd chemikov, 11.-15. september 2017, Vysoké Tatry, Horný Smokovec*, 2017, vol. 13, p. 149-150. ISSN 1336-7242.
- AFL09 KRAJČOVIČ, Tomáš - BUČKO, Marek - GEMEINER, Peter - CHORVÁT, Dušan, Jr. Immobilization of Baeyer-Villiger monooxygenase in polyelectrolyte complex beads. In *MARKOŠ, Jozef (ed.) Proceedings: 43rd International Conference of the Slovak Society of Chemical Engineering, May 23-27, 2016, Tatranské Matliare, Slovakia*. - Bratislava : Slovak Society of Chemical Engineering, 2016, p. 202. ISBN 978-80-89597-35-2.
- AFL10 MIČOVÁ, Júlia - REMEŠ, Zdeněk - CHANG, Yu-Ying. Production of zinc oxide nanowires powder with precisely defined morphology. In *BRUNNER, Róbert (ed.) Extended Abstract Book of 9th Conference "Solid State Surfaces and Interfaces", November 21-24, 2016, Piešťany*. - Bratislava : Comenius University, 2016, p. 68-69. ISBN 978-80-223-4203-2.
- AFL11 PAULOVÍČOVÁ, Ema - PAULOVÍČOVÁ, Lucia - PILIŠIOVÁ, Ružena - GALLIKOVÁ, Veronika - YASHUNSKY DMITRI V. - KARELIN, Alexander A. - TSVETKOV, Yury E. - NIFANTIEV, Nikolay E. Anti-Candida albicans immune responses induced by synthetically prepared nonagglucosaccharide. In *43rd Annual Conference on Yeasts, May 10-13, 2016, SAS Congress Centre, Smolenice, Slovakia*. - Bratislava : Yeast Commission, Institute of Chemistry, Slovak Academy of Sciences, Institute of Animal Biochemistry and Genetics SAS, Faculty of Chemical and Food Technology SUT, 2016, p14, p. 67. ISBN 1336-4839.
- AFL12 PÚZSEROVÁ, Angelika - ZEMANČÍKOVÁ, Anna - BALÍŠ, Peter - RADOŠINSKÁ, Jana - HRABÁROVÁ, Eva - DOVINOVÁ, Ima - KVANDOVÁ, Miroslava - BERNÁTOVÁ, Iveta - KLUKNAVSKÝ, Michal - TÖRÖK, Jozef. Zachovaná funkcia endotelu v pľúcnych artériách pri systémovej hypertenzii v

experimente. In *Cardiology Letters*, 2016, vol. 25, suppl. 1, p. 22S. (2015: 0.122 - SJR, Q4 - SJR). ISSN 1338-3655.

- AFL13        STRATILOVÁ, Barbora - KLAUDINY, Jaroslav - ŠESTÁK, Sergej - ŘEHULKA, Pavel - VADKERTIOVÁ, Renáta - ŘEHULKOVÁ, Helena - STRATILOVÁ, Eva. Partial structure of a long-chain alpha-galactosidase from *Cryptococcus flavescens*. In *43rd Annual Conference on Yeasts, May 10-13, 2016, SAS Congress Centre, Smolenice, Slovakia*. - Bratislava : Yeast Commission, Institute of Chemistry, Slovak Academy of Sciences, Institute of Animal Biochemistry and Genetics SAS, Faculty of Chemical and Food Technology SUT, 2016, p3, p. 56. ISBN 1336-4839.
- AFL14        KOVÁČOVÁ, Kristína - FARKAŠ, Vladimír. High-throughput in-gel assay of yeast cell wall polysaccharide endotransglycosylases. In *43rd Annual Conference on Yeasts, May 10-13, 2016, SAS Congress Centre, Smolenice, Slovakia*. - Bratislava : Yeast Commission, Institute of Chemistry, Slovak Academy of Sciences, Institute of Animal Biochemistry and Genetics SAS, Faculty of Chemical and Food Technology SUT, 2016, p12, p. 65. ISBN 1336-4839.
- AFL15        VRŠANSKÁ, Mária - CZISZÁROVÁ, Mária - BIELY, Peter. Xylan debranching enzymes of xylanolytic *Cryptococcus albidus*. In *43rd Annual Conference on Yeasts, May 10-13, 2016, SAS Congress Centre, Smolenice, Slovakia*. - Bratislava : Yeast Commission, Institute of Chemistry, Slovak Academy of Sciences, Institute of Animal Biochemistry and Genetics SAS, Faculty of Chemical and Food Technology SUT, 2016, p4, p. 57. ISBN 1336-4839.
- AFL16        ZAJIČKOVÁ, Mária, Spišáková - BELLA, Maroš - KOŮŠ, Miroslav. Towards the synthesis of potential inhibitor of  $\alpha$ -mannosidase II designed by computational methods. In *ŠEBESTA, Radovan* - *SORÁDOVÁ, Zuzana* - *MEČIAROVÁ, Mária* (eds.). *Program and Abstracts: Advances in Organic Chemistry – Smolenice 2016, September 4-7, 2016, Smolenice, Slovakia*. - Bratislava : Igor Ilit'-RádioPrint, 2016, p. 77, PO-34. ISBN 978-80-89867-00-4.

#### **BAB Professional books published in Slovak publishing houses**

- BAB01        BIELY, Peter. *Veda s anjelom*. Bratislava : Veda, vydavateľstvo Slovenskej akadémie vied, 2020. 264 s. ISBN 978-80-224-1850-8

#### **BDA Entries in professional terminological dictionaries and encyclopedias published in foreign publishing houses**

- BDA01        HRICOVÍNIOVÁ, Zuzana\*\* - MASCARETTI, Šárka - HRICOVÍNIOVÁ, Jana - ČÍŽEK, Alois - JAMPÍLEK, Josef. Unnatural gallotannins. In *Encyclopedia : Scholarly Community Encyclopedia*, 2021, art. no. 15232, [16] p. ISSN 2309-3366.

#### **BDCA Professional papers in foreign impacted journals registered in Current Contents Connect**

- BDCA01        LUX, Alexander\*\* - KOHANOVÁ, Jana - WHITE, Philip J. The secrets of calcicole species revealed. In *Journal of Experimental Botany*, 2021, vol. 72, p. 968-970. (2020: 6.992 - IF, Q1 - JCR, 2.616 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0022-0957. Dostupné na: <https://doi.org/10.1093/jxb/eraa555>

**BDF Professional papers in other domestic journals (not registered in CCC)**

- BDF01 BALICKÝ, Štefan - BELICKÁ, Ľudmila, Kľuková - TKÁČ, Ján. Sladké tajomstvo chorôb. In *Quark : magazín o vede a technike*, 2016, roč. XXII, č. 4, s. 40-41. ISSN 1337-8422.
- BDF02 DAMBORSKÁ, Dominika. Sladké markery rakoviny. In *Quark : magazín o vede a technike*, 2016, roč. XXII, č. 9, s. 43. ISSN 1337-8422.
- BDF03 KOÓŠ, Miroslav - BORONKAYOVÁ, Felícia. Cukor. Fuj!? In *Život*, 2016, roč. 66, č. 24, s. 28-31. ISSN 0139-6323.
- BDF04 PAKANOVÁ, Zuzana - ZIBUROVÁ, Jana - ŠALINGOVÁ, Anna - BEHÚLOVÁ, Darina - HLAVATÁ, Anna - MUCHA, Ján. Kongenitálne poruchy glykozylácie a ich diagnostika na Slovensku. In *NewsLab*, 2016, roč. 7, s.89-92. ISSN 1338-9661.
- BDF05 SLÁVIKOVÁ, Elena. Úlohy a aktivity Zbierky kultúr kvasiniek (The roles and activities of the Culture collection of yeasts). In *Životné prostredie : revue pre teóriu a starostlivosť o životné prostredie*, 2016, roč. 50, p. 118-120. ISSN 0044-4863.

**BEE Professional papers in foreign proceedings (conference/non-conference; peer-reviewed/non-peer-reviewed)**

- BEE01 KOŠTÁLOVÁ, Zuzana\*\* - HROMÁDKOVÁ, Zdenka. A comparative study of different polysaccharides focused on carbohydrate analysis. In *Proceedings of the 17th International Conference on Polysaccharides-Glycoscience 11 - 12 November 2021 Prague*. - Prague : Czech Chemical Society, 2018, s. 85-87. ISSN 2336-6796.

**FAI Editorial work on book publications (bibliographies, encyclopedias, catalogues, dictionaries, collective publications/proceedings, atlases ...)**

- FAI01 *Glyconanotechnology : nanoscale approach for novel glycan analysis and their medical use*. Editor: Tomáš Bertók. Singapore : Jenny Stanford Publishig, 2019. 328 p. ISBN 978-981-4800-16-7
- FAI02 *Nové strategické prístupy v experimentálnej kardioprotekcii*. Editori M. Ferko a P. Farkaš. Banská Bystrica : Preveda, 2016. 92 s. ISBN 978-80-970712-9-5
- FAI03 *PREVEDA : Interaktívna konferencia mladých vedcov* = Interactive Conference of Young Scientists. Editori Miroslav Ferko, Pavol Farkaš. Bratislava : Občianske združenie PREVEDA, 2016. ISBN 978-80-972360-0-7
- FAI04 *PREVEDA : interaktívna konferencia mladých vedcov* = Interactive Conference of Young Scientists. Editori Miroslav Ferko, Pavol Farkaš. Bratislava : Občianske združenie PREVEDA, 2017. Dostupné na internete:  
<[https://abstracts.preveda.sk/index.php?abstracts=&filter\\_name=&filter\\_year\\_id=11&filter\\_section\\_id=>](https://abstracts.preveda.sk/index.php?abstracts=&filter_name=&filter_year_id=11&filter_section_id=>)>. ISBN 978-80-972360-1-4
- FAI05 *PREVEDA : interaktívna konferencia mladých vedcov 2018. Book of abstracts* = Interactive Conference of Young Scientists 2018. Book of abstracts. Editori:

Miroslav Ferko, Pavol Farkaš. Banská Bystrica : Občianske združenie PREVEDA, 2018. 81 s. ISBN 978-80-972360-2-1

- FAI06      *PREVEDA : interaktívna konferencia mladých vedcov 2019. Book of Abstracts*  
= Interactive Conference of Young Scientists 2019. Editori: Miroslav Ferko, Pavol Farkaš. Bratislava : Občianske združenie Preveda, 2019. 66 abstraktov. Dostupné na internete: <<https://abstracts.preveda.sk/>>. ISBN 978-80-972360-4-5
- FAI07      *PREVEDA : interaktívna konferencia mladých vedcov 2020. Book of abstracts*  
= PREVEDA Interactive Conference of Young Scientists 2020. Editori: Miroslav Ferko, Pavol Farkaš. Bratislava : Občianske združenie Preveda, 2020. 198 abstraktov. Dostupné na internete: <<https://abstracts.preveda.sk/index.php>>. ISBN 978-80-972360-6-9
- FAI08      *PREVEDA : interaktívna konferencia mladých vedcov 2021. Book of abstracts*  
= PREVEDA Interactive Conference of Young Scientists 2021. Editori: Miroslav Ferko, Pavol Farkaš. Banská Bystrica : Občianske združenie Preveda, 2021. 121 abstraktov. Dostupné na internete: <<https://abstracts.preveda.sk/index.php>>. ISBN 978-80-972360-7-6
- FAI09      *43rd Annual Conference on Yeasts, May 10-13, 2016, SAS Congress Centre, Smolenice, Slovakia : Program and Abstracts*. Bratislava : Yeast Commission, Institute of Chemistry, Slovak Academy of Sciences, Institute of Animal Biochemistry and Genetics SAS, Faculty of Chemical and Food Technology SUT, 2016. 84 s. ISSN 1336-4839
- FAI10      *44th Annual Conference on Yeast, May 2-5, 2017, SAS Congress Centre, Smolenice, Slovakia*. Bratislava : Institute of Chemistry SAS, Institute of Animal Biochemistry and Genetics, Centre of Biosciences SAS, 2017. 90 s. ISSN 1336-4839
- FAI11      *45th Annual Conference on Yeast. May 15-18 2018, SAS Congress Centre, Smolenice, Slovakia*. Bratislava : Komisia pre kvasinky pri CHÚ SAV, Ústav biochémie a genetiky živočíchov CBv SAV, 2018. 79 s. ISSN 1336-4839
- FAI12      *Proceedings of the 14th Bratislava Symposium on Saccharides "Glycochemistry for biology and medicine". Smolenice Castle, Slovakia, June 25-30, 2017*. Editors: Katrlík Jaroslav, Baráth Marek. Bratislava : Institute of Chemistry SAS, 2017. ISBN 978-80-971156-3-0
- FAI13      SCHWARZOVÁ, Katarína. *Arbobaktérie, leptospiry, kapnocytofágy, streptobacily – baktérie s patogénnym potenciálom prenosné na človeka* ; editori: Miroslav Ferko, Pavol Farkaš, recenzenti: Ivan Čižnár, Mária Avdičová, Marián Prokeš. Banská Bystrica : Občianske združenie Preveda, 2019. 54 s. ISBN 978-80-972360-3-8
- FAI14      *Programme & Abstracts: 46th Annual Conference on Yeasts, May 7 - 10, 2019, SAS Congress Centre, Smolenice, Slovakia*. Editori: Renáta Vadkertiová, Hana Schusterová; Recenzent: Milan Čertík. Bratislava : Institute of Chemistry, Slovak

**GHG Works published on the internet**

- GHG01 FARKAŠ, Vladimír - KOVÁČOVÁ, Kristína - STRATILOVÁ, Eva. Polysaccharide transglycosylases: A survey of assay methods. In *Journal of Plant Cell Development*, 2018, vol. 1, p. 15-22.
- GHG02 GARAJOVÁ, Soňa - PATEL, Ilababen - LOMASCOLO, Anne - LEGÉE, Frédéric - CÉZARD, Laurent - COTTYN, Betty - LECOURT, Michael L - TAPIN-LINGUA, Sandra - FAULDS, Craig B. - RECORD, Éric - PION, Florian - BAUMBERGER, Stéphanie. Laccase-mediated oligomerization of phenolic extractives: a key mechanism governing the performance of fiberboards. In *Proceedings for Poster Presentations: 15th European Workshop on Lignocellulosics and Pulp, June 26-29, 2018, Aveiro, Portugal*. - Exico, Portugal : RAIZ - Forest and Paper Research Institute, 2018, p. 231-234.
- GHG03 HRICOVÍNÍ, Michal - ASHER, James - HRICOVÍNÍ, Miloš. The analysis of photochemical anti-syn isomerization process across the –N–N= bond in heterocyclic imines. In *ECMC 2020: 6th International Electronic Conference on Medicinal Chemistry, November 1-30, 2020*. - Basel : MDPI, 2020, sciforum-03944. Dostupné na internete: <<https://sciforum.net/paper/view/conference/7398>>
- GHG04 MISHRA, Shubhi - GUDKOV, Dmitri - BARÁTH, Peter - DANCHENKO, Maksym. Can chronic ionizing radiation compromise plant immunity? In *PLANT BIOLOGY EUROPE 2021 : abstract book, 28 June - 1 July, 2021*. - Turin, 2021, 2021.

**GII Other publications and documents which is not possible to categorize into classes/categories mentioned above**

- GII01 AGUEDO, Juvisan - PAKANOVÁ, Zuzana - TKÁČ, Ján. Glycobiomarkers for diagnostics and monitoring of colorectal cancer. In *Proceedings: European Summit of Industrial Biotechnology (esib/2019), November 18-20, 2019, Graz, Austria*. - Graz : acib GmbH, 2019, p. 92.
- GII02 BALALYKIN, Nikolay I. - HURAN, Jozef - NOZDRIN, Mikhail A. - FESHCHENKO, Anastasiya - KOBZEV, Alexander P. - SASINKOVÁ, Vlasta. Reactive magnetron sputtering of N-doped DLC thin films on quartz glass for transmission photocathode applications. In *DIMITROVA, Miglena* - *DAMYANOVA, Milena* - *GHELEV, Chavdar*. (eds.). *Program Abstracts: 20th International Summer School on Vacuum, Electron and Ion Technologies (VEIT 2017), 25-29 September 2017, Sozopol, Bulgaria*. - Sofia : Institute of Electronics, Bulgarian Academy of Sciences, 2017, p. 121.
- GII03 BARALIĆ, Marko - GRIGORIJEVIĆ, Nikola\*\* - BRKOVIĆ, Voin - KATRLÍK, Jaroslav - PAŽITNÁ, Lucia - ŠUNDERIĆ, Miloš - MILJUŠ, Goran - PENEZIĆ, Ana - DOBRIJEVIĆ, Zorana - LAUŠEVIĆ, Mirjana - NEDIĆ, Olgica - ROBAJAC, Dragana. Fibrinogen glycosylation of end-stage renal disease patients on peritoneal dialysis. In *International Fibrinogen Research Society Mini-symposium*,

15.-16.6.2021 University of Geneva, Švajčiarsko. - Geneva : University of Geneva, 2021, p12.

- GII04 BARÁTH, Peter. Modified serum glycome in novel ALG12-CDG patient. In *Abstract Booklet: Instruct Biennial Structural Biology Conference, May 22-24, 2019, Alcalá de Henares, Madrid, Spain. Oxford, UK.* - Oxford UK : Instruct-ERIC Hub, 2019, p. 149.
- GII05 BELICKÁ, Ľudmila, Kľuková - FILIP, Jaroslav - TKÁČ, Ján. Graphene-based lectin biosensor, a possible way for early stage diagnostics? In *Biosensors 2016, 26th Anniversary World Congress on Biosensors, 25-27 May 2016, Gothenburg, Sweden.* - 2016, p2.258.
- GII06 BELICKÝ, Štefan - TKÁČ, Ján. Biosensors for prostate cancer biomarkers glycoprofiling. In *Biosensors 2016, 26th Anniversary World Congress on Biosensors, 25-27 May 2016, Gothenburg, Sweden.* - 2016, p1.120.
- GII07 BELICKÝ, Štefan - DAMBORSKÁ, Dominika - PAKANOVÁ, Zuzana - MUCHA, Ján - TKÁČ, Ján. Electrochemical lectin biosensor: A perspective approach to prostate cancer diagnostics. In *BioSensor 2017. 1st European and 10th German BioSensor Symposium, 20-23 March 2017, Potsdam, Germany.* - Potsdam : Universität Potsdam, 2017, p. 57.
- GII08 BELLA, Maroš - POLÁKOVÁ, Monika - ŠESTÁK, Sergej - KOÓŠ, Miroslav. Synthesis and biochemical evaluation of selective inhibitors of alpha-mannosidase II. In *19th European Carbohydrate Symposium EUROCARB, July 2-6 2017, Barcelona.* - Barcelona, 2017, p.458, P176.
- GII09 BERTÓK, Tomáš - BARTOŠOVIČOVÁ, Marta. Od lepiacej pásky k medicíne. In *Quark*, 2017, roč. XXIII, č. 10, s. 18-19. ISSN 1337-8422.
- GII10 BERTÓK, Tomáš - MACKOVÁ, Katarína. Posledné slovo budú mať mikróby. In *Spektrum - Magazín Slovenskej technickej univerzity v Bratislave*, 2020, č. 7-8, s. 42-43. ISSN 1336-2593.
- GII11 BIELY, Peter - FRAŇOVÁ, Lucia - PUCHART, Vladimír. Biochemical basis of proliferation of *Aureobasidium* on wood: Novel enzymes of the genus. In *International Specialized Symposium on Yeasts ISSY34, Bariloche, Argentina, October 1-4, 2018.* - Bariloche, Argentina, 2018, p. 160-161.
- GII12 BIELY, Peter. Ďalší krok v medzinárodnom partnerstve. In *Správy Slovenskej akadémie vied*, 2016, roč. 52, č. 5-6, s. 32. ISSN 0139-6307.
- GII13 BIELY, Peter. Glucuronoyl esterases: microbial enzymes cleaving bonds between lignin and hemicellulose. In *XIII Seminário Brasileiro de Tecnologia Enzimática - ENZITEC 2018, September 16-19, 2018, Florianópolis, Santa Catarina, Brasilia. Florianópolis: Univesidade Federal de Santa Catarina, 2018.* - Florianopolis, 2018, 2018, p. non.

- GII14 BIELY, Peter - PUCHART, Vladimír. Hardwood glucuronoxylan selectively 3-O-acetylated on uronic acid substituted xylopyranosyl residues and its hydrolysis by xylanases. In *19th European Carbohydrate Symposium EUROCARB, July 2-6 2017, Barcelona*. - Barcelona, 2017, p191, p. 54.
- GII15 BIELY, Peter - ĎURANOVÁ, Miroslava, Křupalová - ŠPÁNIKOVÁ, Silvia - PUCHART, Vladimír - FRAŇOVÁ, Lucia. Microbial glucuronoyl esterases – ten years after discovery. In *Program and Abstracts: SBFC 2016: 38th Symposium on Biotechnology for Fuels and Chemicals, April 25-28, 2016, Baltimore, MD, USA*. - Fairfax, VA : Society for Industrial Microbiology and Biotechnology, 2016, p. 33, 21-7.
- GII16 BIELY, Peter. Zelená budúcnosť Brazílie. In *Quark : magazín pre vedu a techniku*, 2019, roč. XXV, č. 4, s. 18-19. ISSN 1335-4000.
- GII17 BIELY, Peter. 14th International Congress on Yeasts, 12.-15.IX.2016, Awaji Yumebutai, Japonsko. In *Bulletin Československej spoločnosti mikrobiologickej*, 2016, vol. 57, p. 160-161. ISSN 0009-0646.
- GII18 BOŤANSKÁ, Barbora - MASTIHUBOVÁ, Mária - MASTIHUBA, Vladimír - BARANČÍK, Miroslav. Effects of glycophenolics on doxorubicin toxicity in kidney cells HEK 293. In *Košútová Michaela (ed.). VIIIth Miniconference of PhD. Students of Centre of Experimental Medicine : Through the Vision and Ideas create a Plan for Success. Book of abstracts*. - Bratislava : Centre of Experimental Medicine, Slovak Academy of Sciences, 2019, p. 9.
- GII19 BOŤANSKÁ, Barbora - MASTIHUBOVÁ, Mária - MASTIHUBA, Vladimír - BARANČÍK, Miroslav. Vplyv glykofenolík na toxické účinky doxorubicínu v obličkových bunkách HEK 293. In *95. Fyziologické dny : zborník*. - Praha : 3. Lékařská fakulta UK, 2019, p. 5-6.
- GII20 BREIEROVÁ, Emília. Culture Collection of Yeast (CCY), Institute of Chemistry, Slovak Academy of Sciences. In *Yeast Newsletter*, 2017, vol. 66, no. 2, p. 18. ISSN 0531-5222.
- GII21 BREIEROVÁ, Emília. III. Culture Collection of Yeast (CCY), Institute of Chemistry, Slovak Academy of Sciences. In *Yeast Newsletter*, 2018, vol. 67, p. 27-28.
- GII22 BRODACZEWSKA, Natalia - KOŠŤÁLOVÁ, Zuzana - PANAGOS, Charalampos - UHRÍN, Dušan. NMR and in silico studies of fucosylated chondroitin sulfate and its interactions with selectins. In *19th European Carbohydrate Symposium EUROCARB, July 2-6 2017, Barcelona*. - Barcelona, 2017, p. 275, FL20-P85.
- GII23 CAPEK, Peter - HALAJ, Michal - PAULOVÍČOVÁ, Ema - PAULOVÍČOVÁ, Lucia - JANTOVÁ, Soňa - MATULOVÁ, Mária - CEPAK, Vladislav - LUKAVSKÝ, Jaromír. Biopolymer produced by green microalgae species chemical and immunobiological view. In *19th European Carbohydrate Symposium EUROCARB, July 2-6 2017, Barcelona*. - Barcelona, 2017, p502, p. 749.



- GII24 ČAPLOVIČ, Ján. Bratia Farkasovci. Ich cesta fyzikálnou chémiou, chemickou fyzikou a svetom. In *Československý časopis pro fyziku*, 2016, vol. 66, p. 377-379. ISSN 0009-0700.
- GII25 ČÍŽOVÁ, Alžbeta - NEŠČÁKOVÁ, Zuzana - MALOVÍKOVÁ, Anna - BYSTRICKÝ, Slavomír. Preparation and immunological potential of amphoteric mannans from yeast candida albicans. In *5th EPNOE International Polysaccharide Conference, 20-24 august 2017, Jena Germany*. - Jena : University of Applied Science, 2017, p. 204.
- GII26 DAMBORSKÁ, Dominika - BERTÓK, Tomáš - BELICKÝ, Štefan - TKÁČ, Ján. Can analysis of glycans be beneficial for cancer diagnostics? In *Biosensors 2016, 26th Anniversary World Congress on Biosensors, 25-27 May 2016, Gothenburg, Sweden*. - 2016, p. non.
- GII27 DAMBORSKÁ, Dominika - BERTÓK, Tomáš - BELICKÝ, Štefan - TKÁČ, Ján. Glycan analysis for detection of prostate cance. In *Prosense Conference on Prostate Cancer Diagnosis: Cancer Diagnosis: Parallel Sensing of Prostate Cancer Biomarkers, 12-13 September 2016, Bath, UK*. - Bath : University of Bath, 2016, <http://www.prosense-itn.eu/page-110063-en.html>.
- GII28 DAMBORSKÁ, Dominika - KASAK, P. - TKÁČ, Ján. Glycomic approach for early-stage cancer diagnosis: label-free electrochemical lectin-based immunosensor strategy. In *Biosensors 2016, 26th Anniversary World Congress on Biosensors, 25-27 May 2016, Gothenburg, Sweden*. - 2016, p1.020.
- GII29 DAMBORSKÝ, Pavel - KRIŽÁKOVÁ, Martina, Zámorová - KATRLÍK, Jaroslav. Analyzing the binding affinities of prostate-specific antigen to lectins by surface plasmon resonance and protein microarray platforms. In *PROSENSE Conference on Prostate Cancer Diagnosis Bath, 12-13 September 2016*. - 2016, 2016.
- GII30 DAMBORSKÝ, Pavel - KOCZULA, K. - GALLOTTA, A. - KATRLÍK, Jaroslav. Lectin-based lateral flow assay for protein glycoprofiling. In *Biosensors 2016, 26th Anniversary World Congress on Biosensors, 25-27 May 2016, Gothenburg, Sweden*. - 2016, p2.026.
- GII31 DAMBORSKÝ, Pavel - KOCZULA, Katarzyna M. - GALLOTTA, Andrea - KATRLÍK, Jaroslav. Lectin-based lateral flow assay biosensor for glycoprofiling of prostate-specific antigen. In *Proceedings of the 14th Bratislava Symposium on Saccharides "Glycochemistry for biology and medicine". Smolenice Castle, Slovakia, June 25-30, 2017*. - Bratislava : Institute of Chemistry SAS, 2017, p7.
- GII32 FARKAŠ, Pavol - FERKO, Miroslav. Budúcnosť už klope na dvere. In *Quark : magazín o vede a technike*, 2016, roč. XXII, č.9, s. 42. ISSN 1337-8422.
- GII33 FARKAŠ, Pavol - FERKO, Miroslav. Budúcnosť vedy v podobe mladých nádejí - Interaktívna Konferencia Mladých Vedcov 2019. In *ChemZi : Zborník abstraktov: 71. Zjazd chemikov, 9-13 september 2019, Vysoké Tatry, Horný Smokovec, Slovensko*. - Bratislava : Slovenská chemická spoločnosť, 2019, 2019, roč. 15, č. 1, s. 9. ISSN 1336-7242.

- GII34 FARKAŠ, Pavol - FERKO, Miroslav - PODSTUPKA, Martin. Čaro Interaktívnej konferencie. In *Správy SAV*, 2016, roč. 52, č. 5-6, s. 11-13. ISSN 0139-6307.
- GII35 FARKAŠ, Pavol - ALFÖLDYOVÁ, Barbora - KORCOVÁ, Jana, Vráblová - PAULOVÍČOVÁ, Lucia - ČÍŽOVÁ, Alžbeta. V kráľovstve chémie. In *Quark*, 2017, roč. XXIII., č. 10, s. 41. ISSN 1337-8422.
- GII36 FARKAŠ, Vladimír - PODSTUPKA, Martin. Vedec musí byť pripravený na cestu bludiskom. In *Akadémia: Správy SAV*, 2019, roč. 55, č. 1, s. 20-21. ISSN 0139-6307.
- GII37 FRAŇOVÁ, Lucia - BIELY, Peter - PUCHART, Vladimír. New progress in glucuronoyl esterase activity determination. In *Book of Abstracts: 23rd Young Research Fellows Meeting, February 15-16, 2016, Lille, France*. - Paris : SCT, 2016, pO-23.
- GII38 FRAŇOVÁ, Lucia - PUCHART, Vladimír - BIELY, Peter. Novel substrates for microbial glucuronoyl esterases – enzymes with still unexplored biotechnological potential. In *Book of Abstracts: 12th Carbohydrate Bioengineering Meeting (CBM12), April 23-26, 2017, Vienna, Austria*. - Graz : acib GmbH, 2017, p. 73.
- GII39 FRENCH, Alfred D. - CINTRÓN, Michael Santiago - NAM, Sunghyun - YUE, Yi Ying - WU, Quinglin - AGARWAL, Umesh - ŠIMKOVIC, Ivan. Calculating cellulose diffraction patterns. In *Program & Abstracts: EMN Taipei Meeting 2016: Energy Materials Nanotechnology, March 8-11, 2016, Taipei, Taiwan*. - Taipei, Taiwan : Taipei: OAHOST, 2016, p. 42-43, B05.
- GII40 FRENCH, Alfred D. - NAM, Sunghyun - YUE, Yi Ying - WU, Quinglin - AGARWAL, Umesh - ŠIMKOVIC, Ivan - CINTRÓN, Michael Santiago. Increased understanding of cellulose crystallinity. In *Program: 251st American Chemical Society National Meeting & Exposition: Computers in Chemistry, March 13-17, 2016, San Diego, CA, USA*. - Washington : ACS, 2016, p. 121.
- GII41 GARDINER, John - MILLER, Gavin - HANSEN, Steen - JEANNERET, Robin - DALTON, Charlotte - BARÁTH, Marek. Synthesis and applications of heparin-like oligosaccharide fragments. In *Book of Abstracts: Eurocarb XX, June 30 - July 4, 2019, Leiden*. - The Netherlands Leiden : Leiden University, 2019, p. KL9.4.
- GII42 GONCHAROVA, Natalya - KHRAPOVA, Marina V. - LYKOV, Alexander P. - KROLENKO, Erik - NEŠČÁKOVÁ, Zuzana - KROLENKO, Tatyana A. Hypolipidemic effect of mannan in acute lipemia in mice induced by lipase inhibitor poloxamer 407. In *Abstracts: International Academy of Cardiology Annual Scientific Sessions 2016 and 21st World Congress on Heart Disease, July 30-August 1, 2016, Boston, MA, USA*. - Boston, 2016, 2016, cardiology, vol. 134, suppl. 1, abstract no. 386, p. 399.
- GII43 GRIGORIEVIČ, Nikola - KRIŽÁKOVÁ, Martina, Zámorová - KATRLÍK, Jaroslav - NEDIČ, Olgica. Glycosylation changes of fibrinogen in relation to aging and possible influence on fibrinogen activity. In *42nd FEBS Congress: From Molecules*

to Cells and Bach, 10-14 September, 2017, Jerusalem, Israel.. - 2017, the FEBS Journal, 2017, vol. 284, suppl. 1, p. 182, abstract no. P.1.3-007.

- GII44 HALAJ, Michal - PAULOVÍČOVÁ, Ema - PAULOVÍČOVÁ, Lucia - JANTOVÁ, Soňa - MATULOVÁ, Mária - CEPÁK, Vladislav - LUKAVSKÝ, Jaroslav - CAPEK, Peter. Biopolymers produced by dictyosphaerium chlorelloides. In *13th International Conference on Polysaccharides-glycoscience, 8-10 November, 2017, Prague. University of Chemistry and Technology Prague, 2017.* - Prague : University of Chemistry and Technology, 2017, p. 15.
- GII45 HALAJ, Michal - PAULOVÍČOVÁ, Ema - PAULOVÍČOVÁ, Lucia - CEPÁK, Vladislav - LUKAVSKÝ, Jaromír - CAPEK, Peter. Extracellular biopolymers produced by Dictyosphaerium family. In *Proceedings: 10th Asian Community of Glycoscience and Glycotechnology, November 18th-21th, 2018.* - Taiwan : College of Medicine National Cheng Kung University, 2018, pB05.
- GII46 HALAJ, Michal - CAPEK, Peter - CEPÁK, Vladimír - LUKAVSKÝ, Jaroslav - PŘIBYL, Pavel - CYBULSKA, Justina. Extracellular polysaccharides produced by green microalgae. In *Final Program: 12th International Conference on Polysaccharides-Glycoscience, October 19-21, 2016, Prague, Czech Republic.* - Prague : University of Chemistry and technology, 2016, p. 16.
- GII47 HEGER, Vladimír - RILLA-RAHNAŠTO, Minna - VISKUPIČOVÁ, Jana - ZOOFISHAN, Zoofishan - HUNYADI, Attila - HORÁKOVÁ, Ľubica - MASTIHUBOVÁ, Mária - KAKKONEN-LAHTELA, Maija. Modulation of SIRT6 deacetylation activity by flavonoid derivatives. In *COST ACTION CM1407. 5th MC/WG Meeting : challenging organic syntheses inspired by nature - from natural products chemistry to drug discovery.* - Malta : COST, 2018, p. 38.
- GII48 HEGER, Vladimír - RAHNAŠTO-RILLA, Minna - VISKUPIČOVÁ, Jana - ZOOFISHAN, Zoofishan - HUNYADI, Attila - HORÁKOVÁ, Ľubica - MASTIHUBOVÁ, Mária - LAHTELA-KAKKONEN, Maija. Polyphenol derivatives as sirtuin modulators. In *VIIth miniconference of PhD. Students : creating new connections. Book of abstracts. 12th june 2018.* - Bratislava : Centrum of experimental medicine. Slovak Academy of Sciences, 2018, p. 7.
- GII49 HLASOVÁ, Zuzana - MERTUŠ, Stanislav - ONDREJOVIČ, Miroslav - KATRLÍK, Jaroslav. Determination of activity of neuraminidases and their inhibitors by lectin-based assay. In *Smart specialization strategy in the field of biotechnologies in Europe: A challenge for CEE Region.* - Trnava, 2017, 2017.
- GII50 HORVÁTHOVÁ, Ágnes - DUDÁŠOVÁ, Hana - STRATILOVÁ, Barbora - STRATILOVÁ, Eva - VADKERTIOVÁ, Renáta. MALDI-TOF analysis for identification and classification of yeast associated with meadow plants in Central and Western Slovakia. In *Proceedings: 31st MassSpec Forum 2020, February 25-26, 2020, Vienna, Austria. Vienna: TU Wien, 2020, p07, p. 48.*
- GII51 HORVÁTHOVÁ, Eva - POTOCKÁ, Elena - MASTIHUBOVÁ, Mária - MASTIHUBA, Vladimír - DURAJ, Jozef - ŠULÍKOVÁ, Margita - GALOVÁ, Eliška - ŠEVČOVIČOVÁ, Andrea - KLAPÁKOVÁ, Martina - CHOLUJOVÁ,

Dana. Enzymatic synthesis of tyrosol glycoside salidroside and its biochemical and biological activities. In *EEMGS 2016 : European environmental mutagenesis and genomics society*. - 2016, p. 127.

- GII52 HOUSER, Josef - KOZMON, Stanislav - MISHRA, Deepti - HAMMEROVÁ, Zuzana - WIMMEROVÁ, Michaela - KOČA, Jaroslav. The analysis of CH- $\pi$  interaction in protein-carbohydrate binding. In *25th Congress of the International Union of Crystallography, 14-22 August, Prague, Czech Republic*. - Praha, 2021, 2021.
- GII53 HRABOVSKÁ, Marta - ŠALINGOVÁ, Anna - NEMČOVIČ, Marek - ZIBUROVÁ, Jana - MUCHA, Ján - BARÁTH, Peter - ŠEBOVÁ, Claudia - OSTROŽLÍKOVÁ, Mária. Diagnostika porúch glykozylácie na Slovensku - súčasný stav. In *XIII. Kongres SSKB a SSLM s medzinárodnou účasťou, 4.-6. november 2018, Piešťany, Slovensko*, 2018.
- GII54 HRICOVÍNI, Michal - HRICOVÍNI, Miloš. Complex 3D structure of the new type glycoconjugate linked to quinazolinone core. In *Poster Abstracts: Eurocarb XX, June 30 - July 4, 2019, Leiden, The Netherlands*. - Leiden, Holandsko : Leiden University, 2019, p. P97.
- GII55 HRICOVÍNI, Michal. Molecular structure of dermatan sulphate tetrasaccharide. In *ECMC 2021: 7th International Electronic Conference on Medicinal Chemistry, November 1-30, 2021, Basel*. - Basel : MDPI, 2021, sciforum-053223.
- GII56 HRICOVÍNI, Michal - HRICOVÍNI, Miloš. Photochemistry of quinazolinone-derived Schiff's bases. In *Instruct Biennial Structural Biology Conference, Brno 24th - 26th May 2017*. - Brno, 2017, p50.
- GII57 HRICOVÍNI, Michal - BREIEROVÁ, Emília - MAGDOLEN, Peter - HRICOVÍNIOVÁ, Zuzana. Photochemical and biological properties of N-aryl- and N-heteroaryl-D- glucuronides. In *19th European Carbohydrate Symposium EUROCARB, July 2-6 2017, Barcelona*. - Barcelona, 2017, p427, p. 687.
- GII58 HRICOVÍNI, Michal - HRICOVÍNI, Miloš. The multifaceted roles of glycosaminoglycans: What we can learn from molecular structures analysed by NMR and DFT. In *COST Action CA18103 (INNOGLY) Meeting, October 23-25, 2019, Santiago de Compostela, Spain*, 2019.
- GII59 HRICOVÍNI, Michal - ASHER, James - MALKINA, Olga - HRICOVÍNI, Miloš. The photochemistry of the -N=N=CH- array in quinazolinone derivatives. In *XIth Workshop on Modern Methods in Quantum Chemistry, February 25-March 2, 2018, Mariapfarr, Austria*, 2018.
- GII60 HRICOVÍNI, Michal. The spectroscopic and DFT analysis of photochemical processes of quinazolinone-derived Schiff bases. In *KAYAHAN, Ersin - ORAL, Ahmet Yavuz- AKÖZ, Mehmet Emre - AKSAN, Onur Alp - ÇINAR, İbrahim (eds.). Book of Abstracts: 2nd International Conference of Photonics Research (INTERPHOTONICS 2019), November 4-9, 2019, Kemer/Antalya, Turkey*. - Yeniköy : Kocaeli University, 2019, p. 107.

- GII61 HRICOVÍNÍ, Michal - HRICOVÍNÍ, Miloš. Theoretical analysis of molecular structure and NMR spin-spin coupling constants in sulphated oligosaccharides. In *Abstract Booklet: Instruct Biennial Structural Biology Conference, May 22-24, 2019, Alcalá de Henares, Madrid, Spain*. - Oxford, UK : Instruct-ERIC Hub., 2019, p. 139.
- GII62 HRICOVÍNÍ, Michal - HRICOVÍNÍ, Miloš. Unusual conformational equilibria in a complex, salicin-type glycoconjugate. In *Book of Abstracts: 29th International Carbohydrate Symposium (ICS 2018), July 14-19, 2018, Lisboa, Portugal*. - Lisbon : Sociedade Portuguesa de Química, 2018, p. 512.
- GII63 *Book of Abstracts. INSTRUCT ULTRA 3rd Structural biology meeting, Bratislava November 14 - 15, 2019*. Bratislava : Institute of Chemistry SAS, 2019. 26 p. ISBN 978-80-971665-1-9
- GII64 *Instruct ultra Structural Biology Meeting, 18. október 2017, Bratislava*. Bratislava : Institute of Chemistry SAS, 2017. 18 s. ISBN 978-80-971156-5-4
- GII65 *Instruct-Ultra : 2nd Structural biology meeting*. Bratislava : Chemický ústav SAV, 2018. ISBN 78-971156-6-1
- GII66 HRICOVÍNÍ, Miloš. Solution structure of heparin pentasaccharide analysed by NMR and DFT calculation. In *19th European Carbohydrate Symposium EUROCARB, July 2-6 2017, Barcelona*. - Barcelona, 2017, oL89, p. 207.
- GII67 HRICOVÍNIOVÁ, Jana - ŠEVČOVIČOVÁ, Andrea - HRICOVÍNIOVÁ, Zuzana. New unnatural gallotannins: synthesis and evaluation of biological activity using various in vitro assays. In *Poster Abstracts: Eurocarb XX, June 30 - July 4, 2019, Leiden, The Netherlands*. - Leiden, Holandsko : Leiden University, 2019, p. P98.
- GII68 HRICOVÍNIOVÁ, Zuzana - BÍLIKOVÁ, Katarína. Bílikova reakcia. In *ChemZi : Slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel*, 2017, roč. 13, č. 1, s. 6. ISSN 1336-7242.
- GII69 HRICOVÍNIOVÁ, Zuzana. Surfactants of biological origin: the role of Mo(VI) and microwaves in the synthesis of xylan-based non-ionic surfactants. In *Book of Abstracts: 29th International Carbohydrate Symposium (ICS 2018), July 14-19, 2018, Lisboa, Portugal*. - Lisbon : Sociedade Portuguesa de Química, 2018, p. 431.
- GII70 HROMÁDKOVÁ, Zdenka - KOŠŤÁLOVÁ, Zuzana. Optimization of ultrasonic-assisted extraction of European larch and identification of the water-extractable arabinogalactan fractions. In *19th European Carbohydrate Symposium EUROCARB, July 2-6 2017, Barcelona*. - Barcelona, 2017, p280, p. 62.
- GII71 HUSHEGYI, András - TKÁČ, Ján. Glycan biosensors as a successful tool for sensitive detection of glycan-protein interactions. In *Biosensors 2016, 26th Anniversary World Congress on Biosensors, 25-27 May 2016, Gothenburg, Sweden*. - 2016, p1.256.

- GII72 CHOCHOLOVÁ, Erika - BERTÓK, Tomáš - KASÁK, Peter - TKÁČ, Ján. Analysis of human IgG samples with an impedimetric lectin biosensor in an array format. In *19th European Carbohydrate Symposium EUROCAB, July 2-6 2017, Barcelona*. - Barcelona, 2017, fL 30 - P 317, p. 285.
- GII73 CHOCHOLOVÁ, Erika - HUCÁKOVÁ, Monika. Študentská osobnosť z vychyteného tímu. In *Akadémia: Správy SAV*, 2020, roč. 56, č. 1, s. 15. ISSN 0139-6307.
- GII74 JANOŠ, Pavel - KOZMON, Stanislav - TVAROŠKA, Igor - KOČA, Jaroslav. The GlcNAc-TV Glycosyltransferase Homology Model Structure. In *Meeting Program: GlycoT 2016: The 10th International Symposium on Glycosyltransferases, June 19-21, 2016, Toronto, ON, Canada*. - Toronto : University of Toronto, 2016, p. 32.
- GII75 JOLLY, Pawan - ZHURAUSKI, Pavel - HAMMOND, Jules L. - MIODEK, Anna - LIEBANA, Susana - BERTÓK, Tomáš - TKÁČ, Ján - ESTRELA, Pedro. Self-assembled gold nano particles for impedimetric and amperometric detection of a prostate cancer biomarker. In *5th International Conference on Bio-sensing Technology, 7-10 May 2017, Riva del Garda, Italy*, 2017, o11.
- GII76 JOLLY, P. - DAMBORSKÝ, Pavel - MADABOOSI, N. - SOARES, R.R.G. - KATRLÍK, Jaroslav - CHU, V. - CONDE, J.P. - ESTRELA, P. Novel DNA aptamer-based sandwich microfluidic assays for dual quantification and profiling of prostate cancer biomarkers. In *Biosensors 2016, 26th Anniversary World Congress on Biosensors, 25-27 May 2016, Gothenburg, Sweden*. - 2016, p1.206.
- GII77 JURČÍK, Ján - SIVÁKOVÁ, Barbara - LUKÁČOVÁ, Veronika - BELLOVÁ, Jana - BARÁTH, Peter - ČIPÁK, Ľuboš. Quantitative phosphoproteomic analysis of Cdc2 kinase substrates. In *10th CEGSDM meeting : Central European Genome Stability and Dynamics Meeting*. - Bratislava : SAS, 2019, p31.
- GII78 JURČÍK, Matúš - ČIPÁKOVÁ, Ingrid - BORBOVÁ, Marianna - MIKOLÁŠKOVÁ, Barbora - JURČÍK, Ján - BELLOVÁ, Jana - BARÁTH, Peter - GREGAN, Juraj - ČIPÁK, Ľuboš. Functional analysis of spliceosome-associated Gpl1 complex. In *10th CEGSDM meeting : Central European Genome Stability and Dynamics Meeting*. - Bratislava : SAS, 2019, p35.
- GII79 KARNIŠOVÁ POTOCKÁ, Elena - MASTIHUBA, Vladimír - MASTIHUBOVÁ, Mária. Enzymatic glycosylations of tyrosol and hydroxytyrosol. In *Book of Abstracts: COST Action FP1306 "Valorisation of lignocellulosic biomass side streams for sustainable production of chemicals, materials and fuels using low environmental impact technologies". 4th Workshop and 5th MC Meeting 12-17 March 2018, Thessaloniki, Greece*. - Thessaloniki, Greece, 2018, p. 0-44.
- GII80 KARNIŠOVÁ POTOCKÁ, Elena - MASTIHUBA, Vladimír - ČIČOVÁ, Iveta - MASTIHUBOVÁ, Mária. Regioselective rutinosylation of tyrosol with a plant biocatalyst. In *Book of Abstracts: COST Action CM1407 Final Meeting, December 13-14, 2018, San Cristóbal de La Laguna, Tenerife, Canary Islands, Spain*. - Tenerife : IPNA-CSIC, 2018, p. 30.

- GII81 KARNIŠOVÁ POTOCKÁ, Elena - KIS, Peter - MASTIHUBOVÁ, Mária - MASTIHUBA, Vladimír. Screening of beta-D-apiosidases as a potential auxiliary enzymes for biomass degradation. In *Third Workshop and Fourth MC Meeting FP1306COST Action, Torremolinos, 27-28 March 2017*. - Torremolinos, Spain, 2017, p14, p. 73.
- GII82 KATRLÍK, Jaroslav - KRIŽÁKOVÁ, Martina, Zámorová - PAKANOVÁ, Zuzana - NEMČOVIČ, Marek - MUCHA, Ján. Application of lectin-based protein microarray in glyco-biomarker research. In *Conference Validation of Biomarkers. Bridging the innovation gap through integrated technologies. October 6th, 2017, De Doelen - ICC, Rotterdam, The Netherlands*. - Rotterdam, Netherlands, 2017, 2017.
- GII83 KATRLÍK, Jaroslav - KRIŽÁKOVÁ, Martina, Zámorová - PAKANOVÁ, Zuzana - ZIBUROVÁ, Jana - NEMČOVIČ, Marek - BARÁTH, Peter - ŠESTÁK, Sergej - MUCHA, Ján. Application of lectin-based protein microarray in glyco-biomarker analysis of congenital disorder of glycosylation. In *24th International Symposium on Glycoconjugates. ICC Jeju, Korea, August 27-September 1, 2017*. - Jeju, Korea, 2017, vol. 34, Issue 1, p. 93-94.
- GII84 KATRLÍK, Jaroslav - DAMBORSKÝ, Pavel - KRIŽÁKOVÁ, Martina, Zámorová - GEMEINER, Peter. Biochips for glycomics. In *European Biotechnology Congress, Riga, Latvia 05-07 May 2016*. - Amsterdam : Elsevier, 2016, 2016, journal of Biotechnology, vol. 231S, s1-S3.
- GII85 KATRLÍK, Jaroslav - DAMBORSKÝ, Pavel - KRIŽÁKOVÁ, Martina, Zámorová. Biochips for determination of protein glycosylation in biology, biomedicine and diagnostics. In *Workshop of the Slovak Academy of Sciences with The National University of Singapore, The Nanyang Technological University and the Agency for Science, Technology and Research (Singapore), 13-17 March 2017, Smolenice Castle, Slovakia : Book of Abstracts*. - Bratislava : SAV, 2017, p. 30.
- GII86 KATRLÍK, Jaroslav - KRIŽÁKOVÁ, Martina, Zámorová - PAKANOVÁ, Zuzana - NEMČOVIČ, Marek - BARÁTH, Peter - MUCHA, Ján - MILJUŠ, Goran - ŠUNDERIČ, Miloš - ROBAJAC, Dragana - NEDIČ, Olgica. Determination of protein glycosylation by lectin-base glycoprotein microarrays. In *CEEPC 2017 Proceedings of the 11th Central and Eastern European Proteomic Conference Lošice, Slovakia-27th September 2017*. - Košice, 2017, p. 99.
- GII87 KATRLÍK, Jaroslav - PAKANOVÁ, Zuzana - KRIŽÁKOVÁ, Martina, Zámorová - NEMČOVIČ, Marek - ZIBUROVÁ, Jana - ŠESTÁK, Sergej - BARÁTH, Peter - MUCHA, Ján. Determination of glycosylation defects in congenital disorders of glycosylation: application of lectin-based protein microarray and mass spectrometry approaches. In *Book of Abstracts: 2nd GlycoCom and 1st Human Glycome Project Meeting, October 3-6, Dubrovnik Croatia, Zagreb: Spektar putovanja, 2*. - 2018, p. 91-92.
- GII88 KATRLÍK, Jaroslav - PODSTUPKA, Martin. Diagnózu možno čítať z cukrov. In *Akadémia : správy SAV, 2020, roč. 56, č. 4, s. 6-7*. ISSN 0139-6307.

- GII89 KATRLÍK, Jaroslav. Glycoprofiling by lectin-based protein microarrays for biomedical applications. In *Abstract Book: Microarrays and Nanoarrays in Microfluidics and Multiplex Diagnostics within IVD and POCT (MMM), 11th - 12th October 2018, Vienna*. - 2018, p. 17.
- GII90 KATRLÍK, Jaroslav - KIANIČKOVÁ, Kristína - PAŽITNÁ, Lucia - KUNDALIA, Paras - KATRLÍKOVÁ, Eva - ŠUBA, Ján - TREBATICKÁ, Jana - KOLLÁROVÁ, Dagmar - KIM, Seonghun. Glycoprofiling of sera of children with attention-deficit hyperactivity disorder (ADHD) by lectin-based protein microarray. In *Program and Abstract Book: 11th ACGG Conference, November 11-14, 2019, Haeundae Busan, Korea*. - Busan : Asian Community of Glycoscience and Glycotechnology, 2019, p. 173.
- GII91 KATRLÍK, Jaroslav - KRIŽÁKOVÁ, Martina, Zámorová - CHUDÁ, Katarína - KOBAYASHI, Yuka - BYSTRICKÝ, Branislav. Glycosylation changes in cancer determined by lectin-based protein microarray. In *Book of Abstracts: 29th International Carbohydrate Symposium (ICS 2018), July 14-19, 2018, Lisboa, Portugal*. - Lisabon : Sociedade Portuguesa de Química, 2018, p. 524.
- GII92 KATRLÍK, Jaroslav - KRIŽÁKOVÁ, Martina, Zámorová - DAMBORSKÝ, Pavel. Lectin and glycan-based microarrays in glycomics. In *Diagnostics within Micro-fluidics and Multiplexing Micro-arrays (MMM), 20th - 21st April 2016, Science Campus Potsdam-Golm- Berlin, Germany*. - Berlin : Science Campus Potsdam-Golm, 2016, p.20.
- GII93 KATRLÍK, Jaroslav - KRIŽÁKOVÁ, Martina, Zámorová - PAŽITNÁ, Lucia - BYSTRICKÝ, Branislav. Lectin-based protein microarray: tool for determination of glycosylation changes related to cancer and other diseases. In *Proceedings: 8th Global Reverse Phase Protein Array Workshop (RPPA 2019), March 24-25, 2019, Tokyo, Japan*. - Tokyo : National Cancer Center, 2019, p. 74-75.
- GII94 KATRLÍK, Jaroslav - SOBČÁK, Peter. Neviditeľní zabijaci. In *Plus 7 dní : spoločenský týždenník*, 2020, č. 13, s. 46-48. ISSN 1210-2040.
- GII95 KATRLÍK, Jaroslav - KRIŽÁKOVÁ, Martina, Zámorová - PAŽITNÁ, Lucia - HEASOVÁ, Zuzana - KIANIČKOVÁ, Kristína. Screening of protein glycosylation by lectin-based protein microarray. In *Abstract Book: Spot your future MMM Workshop 2019, September 30 - October 1, 2019, Vienna, Austria*. - Berlin : M24You GmbH, 2019, p. 33.
- GII96 KIM, Yonghyun - PARK, H. - STUHLÍK, J. - STUHLÍKOVÁ, T.H. - JIN, B. - REMEŠ, Zdeněk - MIČOVÁ, Júlia - IM, Chan. Interfacial behaviors of hybrid thin films constituted by organic bulk-heterojunction and amorphous silicon layers. In *Book of Abstracts: International Surfaces, Coatings and Interfaces Conference SURFCOAT KOREA 2018, March 28th - 30th, 2018*. - Incheon, Korea : Songdo Convensia, 2018, p. 74.
- GII97 KIM, Younghyun - YAO, Shiyu - LIU, Yi - ZHANG, Hao - REMEŠ, Zdeněk - MIČOVÁ, Júlia - TIAN, Wenjing - IM, Chan. Exciton dynamic s of semiconducting



quantum dots. In *Proceedings: Global Photovoltaic Conference GPVC 2018, March 14-16, 2018*. - Gwangju, Korea : Korea Photovoltaic Society, 2018, p. 91.

- GII98 KIS, Peter - MASTIHUBOVÁ, Mária. Basic zinc carbonate as a green glycosylation promoter in the synthesis of Osmanthuside H and Cuneataside C. In *COST Action CM1407 - 3rd Training School "Computational modeling tools in drug discovery with natural products"*, December 10-12, 2018, Universidad de La Laguna, Tenerife, Spain, 2018.
- GII99 KIS, Peter - MASTIHUBOVÁ, Mária. Chemoenzymatic tactics towards the synthesis of phenylethanoid apioglucosides. In *Abstracts: COST Action CM1407 2nd Training School, September 18-20, 2017, Lisbon U. Lusofona's, Portugal*. - 2017, biomedical and Biopharmaceutical Research, 2017, vol. 14, Suppl. 2, p. 264,.
- GII100 KIS, Peter - MASTIHUBA, Vladimír - MASTIHUBOVÁ, Mária. The synthesis of phenylethanoid diglycosides: osmanthuside H, cuneataside C, decaffeyl verbascoside and their enzymatic phydroxycinnamoylation. In *Book of Abstracts: COST Action CM1407 Final Meeting, December 13-14, 2018, San Cristóbal de La Laguna, Tenerife, Canary Islands, Spain*. - Tenerife : IPNA-CSIC, 2018, p19.
- GII101 KIS, Peter - MASTIHUBOVÁ, Mária. Zinc carbonate as a promoter of glycosylations under microwave irradiation. In *19th European Carbohydrate Symposium EUROCAB, July 2-6 2017, Barcelona*. - Barcelona, 2017, p416, p. 72.
- GII102 KIS, Peter - POTOČKÁ, Elena - MASTIHUBOVÁ, Mária. Zinc oxide as a green promoter of stereospecific glycosylation. In *Advances in Organic Chemistry. Conference of Organic Chemistry, Smolenice, Slovak Republic, September 4-7, 2016*. - Bratislava : Comenius University in Bratislava, 2016, pO-16.
- GII103 KLUNDA, Tomáš - POLÁKOVÁ, Monika - KÓŇA, Juraj - ŠESTÁK, Sergej. Synthesis of pyrrolidine derivatives as potential inhibitors of alpha-mannosidases from GH38 family. In *Advances in Organic Chemistry. Conference of Organic Chemistry, Smolenice, Slovak Republic, September 4-7, 2016*. - Bratislava : Comenius University in Bratislava, 2016, pO-18.
- GII104 KOČMÁLOVÁ, Michaela - ŠUTOVSKÁ, Martina - CAPEK, Peter - PAWLACZYK, Izabela - ZACZYNSKA, Ewa - CZARNY, Anna - UHLIARIKOVÁ, Iveta - GRANCARZ, Roman - FRAŇOVÁ, Soňa. Antitussive and bronchodilatory effect of Arnica Montana complex. In *Book of Abstracts: World Congress on Pharmacology & Chemistry of Natural Compounds, October 9-11, 2017, Tbilisi, Georgia*. - Santa Clara : CA: Innovinc, 2017, p. 52.
- GII105 KÓŇA, Juraj - SLÁDEK, Vladimír. Using quantum mechanics methods for search of selective inhibitors of golgi alpha-mannosidase II. In *CBM12 12th Carbohydrate Bioengineering Meeting BOKU Vienna, April 23-26, 2017*. - Graz : acib GmbH, 2017, p 058, p. 159.
- GII106 KOŠŤÁLOVÁ, Zuzana - HROMÁDKOVÁ, Zdenka. Hazelnut skin as a source of polysaccharides. In *5th EPNOE International Polysaccharide Conference, 20-24 august 2017, Jena Germany*. - Jena : University of Applied Science, 2017, p. 210.

- GII107      KOZMON, Stanislav - JANOS, Pavel - TRNKA, Tomáš - TVAROŠKA, Igor - KOČA, Jaroslav. Reaction mechanism of a glycosyltransferase elucidated using different QM/MM approach. In *19th European Carbohydrate Symposium EUROCARB, July 2-6 2017, Barcelona*. - Barcelona, 2017, p94, p. 48.
- GII108      KOZMON, Stanislav - TRNKA, Tomáš - TVAROŠKA, Igor. Study of the enzymatic reaction mechanisms using reaction path optimization procedures. In *Programme: 2nd Users' Conference of IT4Innovations, November 7, 2018, Ostrava, Czech Republic*. - Ostrava : IT4Innovations, 2018, 2018.
- GII109      KOZMON, Stanislav - TVAROŠKA, Igor. The O-GlcNAc transferase reaction mechanism with modified substrates study by QM/MM molecular dynamics. In *Programme Book: 7th JCS Symposium Quantum Chemistry, from Methodology to Applications in Organic and Inorganic Chemistry, Biochemistry and Material Sciences*. - Praha : Institute of Organic Chemistry and Biochemistry CAS, 2018, p. P17.
- GII110      KOZMON, Stanislav. Using the IT4I infrastructure on the enzymatic reactions studies. In *6th Annual Conference of IT4Innovations and 1st Users Conference of IT4Innovations, Tuesday 31 October 2017-Wednesday 01 November 2017*. - Ostrava : VŠB - Technical University University of Ostrava, 2017, p. 3.
- GII111      KOZMON, Stanislav - KOČA, Jaroslav. What we have learned on the carbohydrate - receptor interactions. In *Jaroslav Koča Memorial Colloquium on Computational and Structural Biology, 30th November 2021, Brno, Czech Republic : Book of Abstracts*. - Brno : Masaryk University, 2021, p. 13-14.
- GII112      KRAJČOVIČ, Tomáš - BUČKO, Marek - GEMEINER, Peter. Two-step encapsulation of viable whole-cell Baeyer-Villiger monooxygenase. In *In Proceedings: 25th International Conference on Bioencapsulation, July 3-6, 2017, La Chapelle sur Erdre (Nantes), France*. - Nantes : Bioencapsulation Research Group, 2017, p. 107-108.
- GII113      KRIŽÁKOVÁ, Martina, Zámorová - DAMBORSKÝ, Pavel - HOLAZOVÁ, Alena - PAVLÍKOVÁ, Lucia - SULOVA, Zdena - KATRLÍK, Jaroslav. Glycan profiling of membrane glycoproteins from leukemic cell lines using various lectin-based biosensing approaches. In *Biosensors 2016, 26th Anniversary World Congress on Biosensors, 25-27 May 2016, Gothenburg, Sweden*. - 2016, p2.095.
- GII114      KRIŽÁKOVÁ, Martina, Zámorová - ŠUNDERIČ, Miloš - MALENKOVIČ, Vesna - NEDIČ, Olgica - KATRLÍK, Jaroslav. Glycan profiling analyses of alpha-2-macroglobulin from different serum samples using lectin-based microarray. In *19th European Carbohydrate Symposium EUROCARB, July 2-6 2017, Barcelona*. - Barcelona, 2017, p160, p. 446.
- GII115      KRIŽÁKOVÁ, Martina, Zámorová - HOLAZOVÁ, Alena - MILJUŠ, Goran - ROBAJAC, Dragana - ŠUNDERIČ, Miloš - MALENKOVIČ, Vesna - DUKANOVIČ, Blagoje - GEMEINER, Peter - NEDIČ, Olgica - KATRLÍK, Jaroslav. Lectin-based protein microarray analysis of differences in glycosylation of

various prospective colorectal cancer biomarkers in different types of samples. In *Sialoglyco 2016, November 14-17th, Santa Barbara, California, USA.* - Santa Barbara, 2016, p 60, p. 53.

- GII116 KRONEKOVÁ, Zuzana - MAJERČÍKOVÁ, Monika - PAULOVÍČOVÁ, Ema - PAULOVÍČOVÁ, Lucia - KRONEK, Juraj. Poly(2-isopropenyl-2-oxazoline) for immunotherapeutical applications. In *Polymers 2019 : 19th Symposium : book of abstracts.* - Burgas, Bulgaria : Institute of Polymers - BAS, 2019, p. 78.
- GII117 KVĚTONĚ, Filip - BLŠÁKOVÁ, Anna - HUSHEGYI, András - DAMBORSKÝ, Pavel - BLIXT, Ola - JANSSEN, Bo - TKÁČ, Ján. An ultrasensitive glycan biosensors based on the TN antigen for binding of a tumor-associated antibody 2C4. In *19th European Carbohydrate Symposium EUROCARB, July 2-6 2017, Barcelona.* - Barcelona, 2017, p 329, p. 600.
- GII118 KVĚTONĚ, Filip - JOZSOVÁ, Renáta. Sladké odhalenie ochorení. In *Quark*, 2019, roč. XXV, č. 6, s. 40-41. ISSN 1337-8422.
- GII119 KVĚTONĚ, Filip. Zvedavec roka. In *Kniha abstraktov: Žijem vedu naživo 2018: 1. ročník konferencie slovenských vedcov, 21. decembra 2018, Bratislava.* - Bratislava : Bratislava: 2018 žijemvedu o.z., 2018, s. 78.
- GII120 LABANCOVÁ, Eva - KOLLÁROVÁ, Karin - VADKERTIOVÁ, Renáta - VATEHOVÁ, Zuzana - LIŠKOVÁ, Desana. Effect of yeasts on maize exposed to Cd. In *International Conference Plant Abiotic Stress Tolerance V : Programme and Abstracts, Vienna, Austria, July 5-6, 2018.* - Vienna : VISCEA, 2018, s. 44.
- GII121 LORENCOVÁ, Lenka - PINKOVÁ GAJDOŠOVÁ, Veronika - HRONČEKOVÁ, Štefánia - BERTÓK, Tomáš - KASÁK, Peter - TKÁČ, Ján. Advanced 2D nanoscaled "MXene" interfaces as perspective immobilization platforms for design of (bio)sensors. In *3rd European BioSensor Symposium EBS ONLINE 2021, 9th – 12th March, 2021, Wildau, Germany.* - 2021, p 38.
- GII122 LU, Xiaoling - MUNIEF, Walid Madhat - DAMBORSKÝ, Pavel - KATRLÍK, Jaroslav - PACHAURI, Vivek - INGEBRANDT, Sven. Top-down fabricated reduced graphene oxide thin-films as functional layer for surface plasmon based biosensing. In *Book of Abstracts: 2nd European Biosensor Symposium (EBS 2019), Florence, 18-21 February 2019.* - Florence : University of Florence, 2019, p. 199.
- GII123 LU, X. - DAMBORSKÝ, Pavel - MUNIEF, W. - KATRLÍK, Jaroslav - CHEN, X. - INGEBRANDT, S.\*\* - PACHAURI, V. Improving SPR limit-of-detection at gold-graphene oxide interfaces by thermal annealing and electrical bias. In *Biosensors 2021 - 31st Anniversary World Congress on Biosensors, organizer: Elsevier / Biosensors & Bioelectronics, dátum: 26.-29.7.2021.* - 2021, p3.051.
- GII124 LUKÁČOVÁ, Veronika - PAKANOVÁ, Zuzana - SIVÁKOVÁ, Barbara - BELLOVÁ, Jana - NEMČOVIČ, Marek - BARÁTH, Peter. Proteomic and glycomic characterization of microvesicles by mass spectrometry. In *Proceedings: 31st*

*MassSpec Forum 2020, February 25-26, 2020, Vienna, Austria. Vienna: TU Wien, 2020, p12, p. 53.*

- GII125      LUX, Alexander - VACULÍK, Marek - MARTINKA, Michal - KOHANOVÁ, Jana - LUKAČOVÁ, Zuzana - BOKOR, Boris - WHITE, Philip J. - TAO, Qi - LI, Tingqiang. Checkpoints of transport processes in plants exposed to toxic levels of trace elements and/or toxic elements. In *Abstract Book: 15th International Conference on the Biogeochemistry of Trace Elements (ICOBTE), May 5-9, 2019, Nanjing, China.* - Nanjing : Nanjing Agricultural University, 2019, p. S5-276.
- GII126      LUX, Alexander. Reaction of apoplastic barriers – endodermis and exodermis – to abiotic stress. In *Plant Biology Europe EPSO/FESPB 2016 Congress. Abstracts.* - Praha, 2016, t 25.
- GII127      MASTIHUBA, Vladimír. Glycophenolics - drugs inspired by nature. How can enzymes help to prepare them. In *14th International Life Science Meeting IMC University of Applied Science Krems, Campus Krems, April 05-06, 2017.* - Krems : IMC University, 2017, 2017.
- GII128      MASTIHUBA, Vladimír. Chemické horizonty v roku 2018. In *ChemZi : Slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel*, 2018, roč. 14, č. 2, s. 42-43. ISSN 1336-7242.
- GII129      MASTIHUBA, Vladimír. Chemické horizonty - jarný cyklus 2019. In *ChemZi : Slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel*, 2019, roč. 15, s. 20. ISSN 1336-7242.
- GII130      MASTIHUBA, Vladimír. Chemické horizonty - jesenný cyklus 2019. In *ChemZi*, 2019, roč. 15, č. 2, s. 71. ISSN 1336-7242.
- GII131      MASTIHUBA, Vladimír. Chemické horizonty 2017. In *ChemZi : Slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel*, 2017, roč. 13, s. 20. ISSN 1336-7242.
- GII132      MASTIHUBOVÁ, Mária - MASTIHUBA, Vladimír. Efficient synthesis of hamamelitannin from D-ribose. In *Third Workshop and Fourth MC Meeting FP1306COST Action, Torremolinos, 27-28 March 2017.* - Torremolinos, Spain, 2017, p15.
- GII133      MASTIHUBOVÁ, Mária - CHYBA, Andrej - MASTIHUBA, Vladimír. Enzymatic hydroxycinnamoylations of phenylethanoid glycosides. In *Third Workshop and Fourth MC Meeting FP1306COST Action, Torremolinos, 27-28 March 2017.* - Torremolinos, Spain, 2017, p2.
- GII134      MASTIHUBOVÁ, Mária - KIS, Peter - POTOČKÁ, Elena - MASTIHUBA, Vladimír. Selective chemo-enzymatic strategies for synthesis of phenylpropanoid glycosides. In *Advances in Organic Chemistry. Conference of Organic Chemistry, Smolenice, Slovak Republic, September 4-7, 2016.* - Bratislava : Comenius University in Bratislava, 2016, iL-03.

- GII135      MASTIHUBOVÁ, Mária - CHYBA, Andrej - KIS, Peter - POTOCKÁ, Elena - MASTIHUBA, Vladimír. Synthesis of sugars acylated by polyphenolic acids – chemical & enzymatic approaches. In *Program and Book of Abstracts: 2nd Meeting of COST Action CM1407: Challenging Organic Synthesis Inspired by Nature – from Natural Products Chemistry to Drug Discovery, April 4-5, 2016, Madrid, Spain.* - Madrid, 2016, poster.
- GII136      MIČOVÁ, Júlia - ŠTENCLOVÁ, Pavla - REMEŠ, Zdeněk. Surface modification of zinc oxide nanowires with polymer P3DDT. In *E-MRS 2017 Spring Meeting, Symposium R, May 22-26, 2017, Strasbourg, France. Strasbourg: European Materials Research Society, 2017.* - Toulouse, France : Physica Status Solidi, Wiley, 2017, r P1.28.
- GII137      MIČOVÁ, Júlia - REMEŠ, Zdeněk. Surface-modified zinc oxide nanostructures with conjugated polymer. In *Abstract Book: ANM 2018:11th International Conference on Advanced Nano Materials, 18-20 July 2018, University of Aveiro, Portugal.* - Aveiro : University of Aveiro, Portugal, 2018, 2018, p. ANM79.
- GII138      MILJUŠ, Goran - PENEZIĆ, Ana - KRIŽÁKOVÁ, Martina, Zámorová - KATRLÍK, Jaroslav - NEDIĆ, Olgica. Glycosylation of the human serum transferrin as a biomarker of healthy ageing. In *SPASOJEVIĆ, Ivan (ed.). Proceedings: Serbian Biochemical Society Ninth Conference "Diversity in Biochemistry", November 14-16, 2019, Belgrade, Serbia.* - Belgrade : Faculty of Chemistry, Serbian Biochemical Society, 2019, p. 132.
- GII139      MIRABELLA, Stefania - D'ADAMIO, Giampiero - GOTI, Andrea - MORENO-VARGAS, Antonio - ROBINA, Inmaculada - ŠESTÁK, Sergej - JIMÉNEZ-BARBERO, Jesús. Mechanistic insight into binding of multivalent pyrrolidines to alpha-mannosidase. In *19th European Carbohydrate Symposium EUROCARB, July 2-6 2017, Barcelona.* - Barcelona, 2017, p. 613.
- GII140      MIŠOVÁ, Ivana - BENKŐ, Zsigmond - BUDIŠ, J. - GAZDARICA, Juraj - STRIEŠKOVÁ, Lucia - SZEMES, Tomáš - BELLOVÁ, Jana - BARÁTH, Peter - JURČÍK, Ján - ČIPÁKOVÁ, Ingrid - ČIPÁK, Ľuboš - BÁGELOVÁ POLÁKOVÁ, Silvia. Dbp2 is involved in gene expression regulation in the fission yeast *Schizosaccharomyces pombe*. In *9th Central European Genome Stability and Dynamics Meeting : Book of Abstracts.* - Warsaw : Polish Academy of Sciences, 2018, p. non.
- GII141      MOSNÁČKOVÁ, Katarína - DWORAK, C.L. - OPÁLKOVÁ ŠIŠKOVÁ, Alena - KLEINOVÁ, Angela - SASINKOVÁ, Vlasta - MIČUŠÍK, Matej - KASÁK, Peter - MOSNÁČEK, Jaroslav. Multilayered polymer-carbon nanotubes hybrids synthesized by surface RAFT polymerization. In *Frontiers in Polymer Science : fifth international symposium : in association with the journal polymer : abstracts.* - Seville, Spain : Elsevier, 2017, non p., [ P1.126]. Názov z obrazovky. Požaduje sa Adobe Acrobat reader DC
- GII142      MOSNÁČKOVÁ, Katarína - DWORAK, Lydia Claudia - MIČUŠÍK, Matej - OPÁLKOVÁ ŠIŠKOVÁ, Alena - KLEINOVÁ, Angela - SASINKOVÁ, Vlasta -

MOSNÁČEK, Jaroslav. Synthesis of polymer-grafted carbon nanotubes by combination of ROP and RAFT polymerization. In *3rd World Congress on Materials Science, Engineering, Oil, Gas and Petrochemistry : book of abstracts*. - Hyderabad, India : Scientific Future Group, 2017, p. 63.

- GII143      MUCHA, Ján - PAKANOVÁ, Zuzana - MATULOVÁ, Mária - NEMČOVIČ, Marek - ZIBUROVÁ, Jana - ŠESTÁK, Sergej - BARÁTH, Peter. High-resolution glycoproteomic profiling in the investigation of disorders with impaired glycosylation bioprocessing. In *Workshop of the Slovak Academy of Sciences with The National University of Singapore, The Nanyang Technological University and the Agency for Science, Technology and Research (Singapore), 13-17 March 2017, Smolenice Castle, Slovakia : Book of Abstracts*. - Bratislava : SAV, 2017, p. 6.
- GII144      NEMČOVIČ, Marek - ZIBUROVÁ, Jana - PAKANOVÁ, Zuzana - ŠESTÁK, Sergej - BELLOVÁ, Jana - ŠALINGOVÁ, Anna - TEKELYOVÁ, Alexandra - DOLNÍKOVÁ, Dana - ŠEBOVÁ, Claudia - BARÁTH, Peter - MUCHA, Ján. CDG diagnosis in Slovakia revealed ALG12-CDG disorder in newborn patient. In *The 4th World Conference on Congenital Disorders of Glycosylation (CDG) for Families and Professionals "The CDG road – From diagnosis to therapies" and the 1st CDG Satellite Meeting for Professionals, July 25-27, Lisbon, Portugal*. - Lisbon, 2019, 2019.
- GII145      NEMČOVIČOVÁ, Ivana - NEMČOVIČ, Marek - BENKO, Mário - KÚDELOVÁ, Marcela - ŠEDÝ, J.R. - ZAJONC, D.M.. Binding requirements for recognition of human immune receptor CD160 by herpesvirus entry mediator HVEM, the HVEM crystal structure and the molecular architecture of co-signaling molecules BTLA, gD and LIGHT. In *Instruct biennial structural biology conference : abstract booklet*. - Brno, 2017, p. 82-83.
- GII146      NEMČOVIČOVÁ, Ivana - NEMČOVIČ, Marek - KÚDELOVÁ, Marcela - ZAJONC, Dirk. Characterization of a novel bidirectional NK activating ligand CD160. In *Abstracts: XIV Discussions in Structural Molecular Biology, March 17-19, 2016, Nové Hradky, Czech Republic*. - Prague : Czech Society for Structural Biology, 2016, p25.
- GII147      NEMČOVIČOVÁ, Ivana - NEMČOVIČ, Marek - BENKO, Mário - ŠEDÝ, J.R. - ZAJONC, D.M.. The crystal structure of herpesvirus entry mediator (HVEM) and its molecular signalling network. In *International school on biological crystallization 2017 : Abstract book*. 6th Edition. - Granada : IACT, 2017, p. 147.
- GII148      NEŠČÁKOVÁ, Zuzana - MACHOVÁ, Eva - BYSTRICKÝ, Slavomír. Mannan conjugates increased survivability and eliminated fungal burden in mice during experimental candidiasis. In *3rd Meeting of Middle-European Societies for Immunology and Allergology. December 1st-3rd 2016, Budapest Hungary*. - Budapest, 2016, p4-09, p. 96.
- GII149      ONDRUŠKOVÁ, Nina - PAKANOVÁ, Zuzana - HONZÍK, Tomáš - MUCHA, Ján - ZEMAN, Jiří - HANSÍKOVÁ, Hana. Analýza struktury hyposialovaného sérového apolipoproteínu C-III pomocí hmotnostní spektrometrie u pacientů s dědičnými poruchami metabolismu glykogenu. In *Program a zborník*

abstraktov: 31. Pracovné dni: Dedičné metabolické poruchy, 25.-27. máj 2016, Bratislava.. - Praha : Meritis s.r.o., 2016, s. 70.

- GII150 PACHOLAK, Amanda - SMULEK, Wojciech - ZDARTA, Agata - HRICOVÍNIOVÁ, Zuzana - KACZOREK, Ewa. The impact of xylose based surfactants on environmental microorganisms. In *Eurobiotech 6th Central European Congress of Life Science, 11. - 14. September 2017, Krakow, Poland.* - Krakow : Polish Biochemical Society, 2017, 14.5, p. 103.
- GII151 PAKANOVÁ, Zuzana - NEMČOVIČ, Marek - MUCHA, Ján - ZIBUROVÁ, Jana - BARÁTH, Peter. New approaches in the diagnostics of disorders of glycoconjugate metabolism. In *Poster Abstracts: COST Clinimark Training School, September 23-27, 2019, Spetses Hotel, Spetses Island, Greece.* - Athens : Biomedical Research Foundation, 2019, p. 29, poster 22.
- GII152 PANČÍK, Filip - PAKANOVÁ, Zuzana - BARÁTH, Peter - ŠIMKOVIC, Ivan. MALDI TOF/TOF analysis of oligosaccharides from seaweed samples. In *Proceedings: 31st MassSpec Forum 2020, February 25-26, 2020, Vienna, Austria.* Vienna: TU Wien, 2020, p10, p. 51.
- GII153 PAWLACZYK-GRAJA, Izabela - ZIEWIECKI, Rafal - BALICKI, Sebastian - CAPEK, Peter - GANCARZ, Roman. Glycoconjugates of the selected medicinal plants with anticoagulant activity mediated by antithrombin or heparin cofactor II. In *19th European Carbohydrate Symposium EUROCARB, July 2-6 2017, Barcelona.* - Barcelona, 2017, oL13, p. 131.
- GII154 PAWLACZYK-GRAJA, Izabela - ZIEWIECKI, Rafal - BALICKI, Sebastian - TSIRIGOTIS-MANIECKA, Marta - CAPEK, Peter - MATULOVÁ, Mária - GANCARZ, Roman - WILK, Kazimiera Anna. Technologia separacji glikokoniugatów polifenolowych na przykładzie surowca z ziela poziomki pospolitej (Separation technology of polyphenolic glycoconjugates on the example of *Fragaria vesca* L. as a source). In *WOJACZYŃSKI, Jacek - WOJACZYŃSKA, Elżbieta - BAZYLIŃSKA, Urszula - GLISZCZYŃSKA, Anna (eds.). Materiały Zjazdowe: 60. Zjazd Polskiego Towarzystwa Chemicznego (60th Meeting of the Polish Chemical Society), September 17-21, 2017, Wrocław, Poland..* - Wrocław : Politechnika Wrocławska, 2017, p. 365.
- GII155 PENEZIĆ, Ana - ROBAJAC, Dragana - MILJUŠ, Goran - GLIGORIJEVIĆ, Nikola - BARALIĆ, Marko - PAŽITNA, Lucia - ŠUNDERIĆ, Miloš - DOBRIJEVIĆ, Zorana - KATRLÍK, Jaroslav - NEDIĆ, Olgica. Serum transferrin glycopattern in patients with an end-stage renal disease: a lectin-based protein microarray. In *SPASOJEVIĆ, Ivan (ed.). Proceedings: Serbian Biochemical Society Ninth Conference "Diversity in Biochemistry", November 14-16, 2019, Belgrade, Serbia.* - Belgrade : Faculty of Chemistry, Serbian Biochemical Society, 2019, p. 145.
- GII156 PERNÝ, M. - HURAN, Jozef - SASINKOVÁ, Vlasta - ŠÁLY, V. - MIKOLÁŠEK, M. - VÁRY, M. Impedance spectroscopy of solar cell structures a-SiC/c-Si before and after neutron irradiation. In *LANČOK, Adriana (ed.). Book of Abstracts: Solid State Chemistry 2016, September 18-23, 2016, Prague, Czech*

Republic.. - Prague, Czech Republic : Institute of Inorganic Chemistry of CAS, 2016, p. 20, p. 99.

- GII157 PEVALA, Vladimír - KUNOVÁ, Nina - KOTRASOVÁ, Veronika - KERESZTESOVÁ, Barbora - ONDROVIČOVÁ, Gabriela - BAUER, Jacob - AMBRO, Ľuboš - BELLOVÁ, Jana - MARTINÁKOVÁ, Lucia - TRUBAN, Dominika - KOŠŤAN, Július - BRANDSTETTER, Marlene - MARINI, Victoria - KREJČÍ, Lumír - TOMÁŠKA, Ľubomír - NOSEK, Jozef - KUTEJOVÁ, Eva. Candida parapsilosis Mgm101 in the maintenance of mitochondrial telomeres. In *Abstract Booklet: Instruct Biennial Structural Biology Conference, May 22-24, 2019, Alcalá de Henares, Madrid, Spain.* - Oxford, UK : Instruct-ERIC Hub, 2019, p. 105.
- GII158 PEVALA, Vladimír - KEREICHE, S. - KOVÁČIK, L. - KUNOVÁ, Nina - ONDROVIČOVÁ, Gabriela - BAUER, Jacob - AMBRO, Ľuboš - BELLOVÁ, Jana - RASKA, I. - KUTEJOVÁ, Eva. The N-terminal domain plays a crucial role in the structure of a full-length human mitochondrial Lon protease. In *Instruct biennial structural biology conference : abstract booklet.* - Brno, 2017, p. 71.
- GII159 PIPIKOVÁ, Jana - SCHUSTEROVÁ, Hana - HORVÁTHOVÁ, Ágnes - STRATILOVÁ, Barbora - VADKERTIOVÁ, Renáta. Yeasts associated with wild plants of the Fabaceae family inhabiting meadows in Slovakia. In *ICY15 meets ICYGMB30, 23 – 27 August, 2021, Vienna, Austria.* - Vienna, 2021, d16, p. 399.
- GII160 PIPPIG, Falko\*\* - ŠORAL, Michal - BARÁTH, Peter - MONCOL, Ján - MOSNÁČEK, Jaroslav. Synthesis of small molecules and polymers via reaction of Tulipalin A with diamines. In *5th EuGSC : European Conference on Green and Sustainable Chemistry : Conference Proceedings.* - Athens : Association of Greek Chemists, 2021, p. 85-86. Dostupné na internete: <www.5eugsc.org>
- GII161 PODSTUPKA, Martin - FARKAŠ, Pavol. Ako možno urobiť zo žiakov doktorandov. In *Akadémia: Správy SAV*, 2018, roč. 54, s. 15-17. ISSN 0139-6307.
- GII162 PODSTUPKA, Martin - MUCHA, Ján - PÄTOPRSTÝ, Vladimír. Centrum glykomiky využilo príležitosť. In *Správy Slovenskej akadémie vied*, 2017, roč. 53, č. 1, s. 16-17. ISSN 0139-6307.
- GII163 PODSTUPKA, Martin - BIELY, Peter. Príroda vedcom odpovedá rôznym spôsobom. In *Správy Slovenskej akadémie vied*, 2017, roč.53, č. 4, s. 5-7. ISSN 0139-6307.
- GII164 PUCHART, Vladimír - BIELY, Peter. Isolation and enzymatic hydrolysis of recalcitrant structures of hardwood acetylglucuronoxylan. In *12th Carbohydrate Bioengineering Meeting BOKU Vienna, April 23-26, 2017.* - Graz : acib GmbH, 2017, p 088, p. 189.
- GII165 REMEŠ, Zdeněk - CHANG, Yu Ying - NEYKOVA, Neda - BURYI, Maksym - MÍČOVÁ, Júlia. The optical properties of metal oxide nanorods. In *RYTEL, Agnieszka (ed.). E-MRS Conference Programme - Fall Meeting 2019, September*



16-19, 2019, Warsaw, Poland. - Warsaw : Warsaw University of Technology, 2019, p. P1.21.

- GII166      ROBAJAC, Dragana\*\* - DOBRIJEVIĆ, Zorana - PAŽITNÁ, Lucia - KIANIČKOVÁ, Kristína - KUNDALIA, Paras - ŠUNDERIĆ, Miloš - GLIGORIJEVIĆ, Nikola - PENEZIĆ, Ana - MILJUŠ, Goran - MANDIĆ MARKOVIĆ, Vesna - MIKOVIĆ, Željko - RADOJIČIĆ, Ognjen - KATRLÍK, Jaroslav - NEDIĆ, Olgica. Changes in serum glycans in pregnant women with gestational diabetes mellitus. In *Serbian Biochemical Society Tenth Conference with International Participation, 24. 09. 2021, Kragujevac, Serbia : Biochemical Insights into Molecular Mechanisms*. - Belgrade : Faculty of Chemistry, Serbian Biochemical Society, 2021, p. 140-141.
- GII167      SCHUSTEROVÁ, Hana - VADKERTIOVÁ, Renáta. Yeast enzymatic activities important for nature and industry. In *Conference Proceedings: XXXVIII Annual Meeting ECCO 2019, 12-14 June, 2019, Torino, Italy*. - Torino, Italy : Department of Life Sciences and Systems Biology Mycotheca Universitatis Tarinensis, Turin Znuversity Culture Collection, 2019, p. 102-103.
- GII168      SILIKOVÁ, Veronika - DULANSKÁ, Silvia - HORNÍK, Miroslav - MÁTEL, Ľubomír - JAKUBČINOVÁ, Jana. Determination of 137Cs using non-commercial impregnated fly ash sorbent. In *Book of Abstracts: ENVIRA 2019 - 5th International Conference on Environmental Radioactivity: Variations of Environmental Radionuclides, 8-13 September 2019, Prague, Czech Republic*. - Prague : Nuclear Physics Institute of the CAS, 2019, p. 117, ID 154.
- GII169      SINICA, Andrej - SUSHYTSKYI, Leonid - CAPEK, Peter - BLEHA, Roman - ČOPÍKOVÁ, Jana. Highly branched xylogalactofuranan isolated from biomass of heterotrophic mutant microalga *Chlorella vulgaris* G11. In *Book of Abstracts: 29th International Carbohydrate Symposium (ICS 2018), July 14-19, 2018, Lisboa, Portugal*. - Lisabon : Sociedade Portuguesa de Química, 2018, p. 554.
- GII170      SLÁDEK, Vladimír - KÓŇA, Juraj - TOKIWA, Hiroaki. Ab initio interpretation of receptor-ligand binding in Golgi alfa-mannosidase II. In *Meeting Program: GlycoT 2016: The 10th International Symposium on Glycosyltransferases, June 19-21, 2016, Toronto, ON, Canada*. - Toronto : University of Toronto, 2016, p. 35.
- GII171      SLÁDEK, Vladimír - YAMAMOTO, Yuta - TAKEI, Kenta - NAKAGAWA, Yoshimi - SHIMANO, Hitoshi - TOKIWA, Hiroaki. In silico binding analysis of PGC-1alfa interaction with peroxisome proliferator-activated recptora modulators. In *EUCO-TCC 2017. 11th European Conference on Theoretical and Computatiobal Chemistry. Barcelona 4-7 September*. - Barcelona : EuCheMS, 2017, p 64, p. 158.
- GII172      SLÁDEK, Vladimír. Think protein? Think network! Graph analysis to reveal physics of protein communication. In *Programme Book: 7th JCS Symposium. Quantum Chemistry, from Methodology to Applications in Organic and Inorganic Chemistry, Biochemistry and Material Sciences*. - Praha : Institute of Organic Chemistry and Biochemistry CAS, 2018, p. OC13.

- GII173      STRATILOVÁ, Barbora - ŠESTÁK, Sergej - KOZMON, Stanislav - HORVÁTHOVÁ, Ágnes - FARKAŠ, Vladimír - HRMOVÁ, Mária - STRATILOVÁ, Eva. Acceptor specificity of xyloglucan endotransglycosylases. In *Abstract Book: XV. Cell Wall Meeting, 7-12 July 2019, Cambridge, United Kingdom*. - Cambridge, UK : University of Cambridge, 2019, p. 229-230.
- GII174      STRATILOVÁ, Barbora - ŠESTÁK, Sergej - KOZMON, Stanislav - STRATILOVÁ, Eva. Cílená modifikácia akceptorovej špecificity majoritnej formy enzýmu xyloglukán endotransglykozyláza z kľúčiacich semien. In *Program a sborník abstraktů: 5. Neformální proteomické setkání, Brno, 30.11. - 1.12.2017*. - Brno : Přírodovědecká fakulta Masarykovy Univerzity, 2017, pá-MP6, p. 48.
- GII175      STRATILOVÁ, Barbora - GARAJOVÁ, Soňa - ŠESTÁK, Sergej - KOVÁČOVÁ, Kristína - KOZMON, Stanislav - KUČEROVÁ, Danica, Richterová - HRMOVÁ, Mária - STRATILOVÁ, Eva. Could xyloglucan endotransglycosylases transfer the cleavage fragments of xyloglucan or cellulose on the acceptor substrates with ionic properties? In *Abstract Book: XV. Cell Wall Meeting, 7-12 July 2019, Cambridge, United Kingdom*. - Cambridge, UK : University of Cambridge, 2019, p. 231-232.
- GII176      STRATILOVÁ, Barbora - ŘEHULKA, Pavel - HORVÁTHOVÁ, Ágnes - DUDÁŠOVÁ, Hana - VADKERTIOVÁ, Renáta - STRATILOVÁ, Eva. MALDI spectra database for Culture Collection of Yeasts (CCY). In *Proceedings: 31st MassSpec Forum 2020, February 25-26, 2020, Vienna, Austria*. Vienna: TU Wien, 2020, p18, p. 59.
- GII177      STRATILOVÁ, Eva - STRATILOVÁ, Barbora - ŠESTÁK, Sergej - KOZMON, Stanislav. Modifikácia štruktúry enzýmu xyloglukán endotransglykozyláza zameraná na jej schopnosť katalyzovať transfer fragmentov xyloglukán-celulózyovej siete do pektínu. In *Program a sborník abstraktů: 5. Neformální proteomické setkání, Brno, 30.11. - 1.12.2017*. - Brno : Přírodovědecká fakulta Masarykovy univerzity, 2017, pá-MP7, p. 49.
- GII178      STUHLÍK, Jiří - REMĚŠ, Zdeněk - STUHLÍKOVÁ, Ha - MIČOVÁ, Júlía. The preparation for functionalization of hybrid nanoparticles. In *ICANS 27. The 27th International Conference on Amorphous and Nanocrystalline Semiconductors. 21 - 25 August 2017, Hoam Faculta House, Seoul National University, Seoul, Korea*. - Seoul, Korea : Hoam Faculty House, Seoul National University, 2017, p2-5.
- GII179      SUSHYTSKYI, Leonid - BLEHA, Roman - SINICA, Andrej - CAPEK, Peter - ČOPÍKOVÁ, Jana - LUKÁČ, Pavol - VANUCCI, Luca - KAŠTÁNEK, Peter. Purification of water-soluble bioactive polysaccharides from biomass of heterotrophic mutant alga *Chlorella vulgaris* G11. In *Final program: 15th International Conference on Polysaccharides-Glycoscience (ICPG 2019), 13-15 November, 2019, Prague, Czech Republic*. - Prague : University of Chemistry and Technology, 2019, p. 5.
- GII180      ŠARMÍROVÁ, Milica - TKÁČ, Ján. Slovenská veda sa dostáva na úroveň atraktívneho partnera pre priemyselnú sféru. In *Učiteľské noviny*, 2016, roč. LXIII, č. 6, s. 4-5. ISSN 0139-5769.

- GII181      ŠARMÍROVÁ, Milica - MISTRÍK, Robert - KOÓŠ, Miroslav. Slovenskí vedci mapujú malé molekuly v ľudskom organizme. In *Učiteľské noviny*, 2016, roč. LXIII, č. 6, s. 7. ISSN 0139-5769.
- GII182      ŠUTOVSKÁ, Martina - KOČMÁLOVÁ, Michaela - ŠUTOVSKÝ, Ján - JOŠKOVÁ, Martina - PAPPOVÁ, Lenka - CAPEK, Peter - FRAŇOVÁ, Soňa. Echinacea purpurea - a source of glycoconjugate with bronchodilating and anti-inflammatory effect. In *Abstract Booklet: 3rd Drug Discovery Re-Invented: Emerging Role of Biotechs, Academics and Non-Profits, February 21-24, 2017, Cancun, Mexiko*. - Snailwell-Newmarket : Fusion Conferences Ltd., 2017, p. 54--56.
- GII183      ŠUTOVSKÁ, Martina - FRAŇOVÁ, Soňa - PAWLACZYK, Izabela - PAULOVICHOVÁ, Ema - MATULOVÁ, Mária - CAPEK, Peter. Plant glycoconjugates, structure, properties and biological activity. In *Book of Abstracts: 2016 Annual Summer Meeting of Korean Society for Glycoscience, July 4-6, 2016, Busan, South Korea*. - Busan : Korean Society for Glycoscience, 2016, 2016, p. 18.
- GII184      TKÁČ, Ján - WAGNEROVÁ, Ružena - KOVÁČ, Matej. Ako včas prísť na stopu rakovine. In *Spektrum - Periodikum STU v Bratislava*, 2018/2019, č.6, s. 4. ISSN 1336-2593.
- GII185      TKÁČ, Ján - BERTÓK, Tomáš - LORENCOVÁ, Lenka - JÁNÉ, Eduard - HÍREŠ, Michal - KVĚTOŇ, Filip - BLŠÁKOVÁ, Anna - HRONČEKOVÁ, Štefánia - PINKOVÁ GAJDOŠOVÁ, Veronika. Cancer diagnostics using glycan recognition by the electrochemical biosensors with design controlled at nanoscale. In *Book of Abstracts: 2nd European Biosensor Symposium (EBS 2019), February 18-21, 2019, Florence, Italy*. - Florence : University of Florence, 2019, p. 84, OC39.
- GII186      TKÁČ, Ján - BERTÓK, Tomáš - BELICKÁ, Ľudmila, Kľuková - HUSHEGYI, András - DAMBORSKÁ, Dominika - BELICKÝ, Štefan. Construction of ultrasensitive impedimetric biosensors with controlled architecture at nanoscale: Application in glycomics and diagnostics. In *Biosensors 2016, 26th Anniversary World Congress on Biosensors, 25-27 May 2016, Gothenburg, Sweden*. - 2016, p. non.
- GII187      TKÁČ, Ján - BERTÓK, Tomáš - BELICKÁ, Ľudmila, Kľuková - DAMBORSKÁ, Dominika - BELICKÝ, Štefan - CHOCHOLOVÁ, Erika - KVĚTOŇ, Filip. Construction of ultrasensitive impedimetric biosensors with controlled architecture at nanoscale: Application in glycomics and diagnostics. In *Workshop of the Slovak Academy of Sciences with The National University of Singapore, The Nanyang Technological University and the Agency for Science, Technology and Research (Singapore), 13-17 March 2017, Smolenice Castle, Slovakia : Book of Abstracts*. - Bratislava : SAV, 2017, p. 29.
- GII188      TKÁČ, Ján - BERTÓK, Tomáš - BELICKÁ, Ľudmila, Kľuková - HUSHEGYI, András - DAMBORSKÁ, Dominika - BELICKÝ, Štefan - KVĚTOŇ, Filip. Electrochemical biosensors based on glycan analysis applicable in diagnostics of various diseases including cancer. In *5th International Conference on Bio-sensing Technology, 7-10 May 2017, Riva del Garda, Italy*, 2017, o04.

- GII189      TKÁČ, Ján - BERTÓK, Tomáš - BELICKÁ, Ľudmila, Kľuková - HOLAZOVÁ, Alena - BELLA, Vladimír. Možnosti využitia analýzy glykoproteínov v diagnostike rakoviny prsníka. In *22. medzinárodná pracovná konferencia SEKCAMA SOS SLS, 18. a 19. mája 2017.* - Bratislava, 2017.
- GII190      TKÁČ, Ján - BERTÓK, Tomáš - BELICKÁ, Ľudmila, Kľuková - HUSHEGYI, András - DAMBORSKÁ, Dominika - BELICKÝ, Štefan. Nanoscale controlled architecture of biosensors for glycan recognition applied in diagnostic. In *BioSensor 2017. 1st European and 10th German BioSensor Symposium, 20-23 March 2017, Potsdam, Germany.* - Potsdam : Universität Potsdam, 2017, p. 112.
- GII191      TKÁČ, Ján - BERTÓK, Tomáš - LORENCOVÁ, Lenka - BELICKÝ, Štefan - HOLAZOVÁ, Alena - CHOCHOLOVÁ, Erika - KVĚTOŇ, Filip - KASÁK, Peter. Nanotechnology for electrochemical (bio)sensing and diagnostics. In *Programme Brochure: ICN+T in Brno, Brno, Czech Republic, July 24, 2018.* - Prague : C-IN, 2018, p. 159-160.
- GII192      TKÁČ, Ján - PODSTUPKA, Martin. Sloboda dovoľí robiť kvalitné veci. In *Správy SAV*, 2016, roč. 52, č. 2, s. 4-6. ISSN 0139-6307.
- GII193      TKÁČ, Ján - BERTÓK, Tomáš - BELICKÁ, Ľudmila, Kľuková - HUSHEGYI, András - DAMBORSKÁ, Dominika - BELICKÝ, Štefan - KVĚTOŇ, Filip. Ultrasensitive analysis using electrochemical lectin and glycan biosensors applied in diagnostics. In *19th European Carbohydrate Symposium EUROCARB, July 2-6 2017, Barcelona.* - Barcelona, 2017, p488, p. 77.
- GII194      TKÁČ, Ján. Veda či start-up? In *Kniha abstraktov: Žijem vedu naživo 2018: 1. ročník konferencie slovenských vedcov, 21. decembra 2018, Bratislava.* - Bratislava : Bratislava: 2018 žijemvedu o.z., 2018, s. 29.
- GII195      TKÁČ, Ján - PODSTUPKA, Martin. Výsledky výskumu majú namierené do ordinácií. In *Akadémia: Správy SAV*, 2020, roč. 56, č. 1, s. 14-15. ISSN 0139-6307.
- GII196      TVAROŠKA, Igor. Glycosyltransferases as targets for therapeutic intervention in cancer and inflammation: molecular modeling insights. In *Jaroslav Koča Memorial Colloquium on Computational and Structural Biology, 30th November 2021, Brno, Czech Republic : Book of Abstracts.* - Brno : Masaryk University, 2021, p. 15-16.
- GII197      UHĽARIKOVÁ, Iveta - MATULOVÁ, Mária - CAPEK, Peter - CEPÁK, Vladislav. PS-3 isoaltion and fractionation of exopolysaccharide produced by cyanobacterium Nostoc sp. In *USB: 16th International Interdisciplinary Meeting on Biocatalysis (CECE2019), September 24-26, 2019, Gdańsk, Poland.* - Gdańsk : Medical University of Gdańsk, 2019, p. 7.
- GII198      VACULÍK, Marek - LUX, Alexander. Nová nádej pre kontaminované územia? In *Quark : magazín pre vedu a techniku*, 2018, roč. XXIV, s. 30-31. ISSN 1335-4000.

- GII199      VADKERTIOVÁ, Renáta - DUDÁŠOVÁ, Hana - STRATILOVÁ, Barbora - HORVÁTHOVÁ, Ágnes - STRATILOVÁ, Eva. Diversity of yeasts isolated from plants in Slovakia. In *Conference Proceedings: XXXVIII Annual Meeting ECCO 2019, 12-14 June, 2019, Torino, Italy*. - Torino, Italy : Department of Life Sciences and Systems Biology Mycotheca Universitatis Tarinensis, Turin Znuversity Culture Collection, 2019, p. 100-101.
- GII200      VADKERTIOVÁ, Renáta. Microbe highlights: *Taphrina gei-montani* (strains CCY 058-007-001 to CCY 058-007-005), a new species parasiting herbaceous Rosaceae. In *MIRRI News*, 2016, issue 8, p. 4-5.
- GII201      VLČKOVÁ, Silvia - KŠONŽEKOVÁ, Petra - BYSTRICKÝ, Peter - PÄTOPRSTÝ, Vladimír - MUDROŇOVÁ, Dagmar - KUBAŠKOVÁ, Terézia - CSANK, Tomáš - TKÁČIKOVÁ, Ľudmila. Structural analysis of the exopolysaccharide produced by the *Lactobacillus reuteri* strain L26 Biocenol (EPS-L26). In *Book of Abstracts: 27th MassSpec Forum Vienna, 23-24 February, 2016, Vienna, Austria*. - Vienna : Vienna University of Technology, 2016, p. 54.
- GII202      YAMAMOTO, Yuta - SLÁDEK, Vladimír - TAKEI, Kenta - NAKAGAWA, Yoshimi - SHIMANO, Hitoshi - TOKIWA, Hiroaki. In silico binding analysis of novel selective peroxisome proliferator-activated RECEPTOR $\alpha$  modulators (SPPARM $\alpha$ ). In *Book of Abstracts: EUCCO-TCC 2017: 11th European Conference on Theoretical and Computational Chemistry, 4-7 September, Barcelona, Spain*. - Barcelona : Societat Catalana Química, 2017, p. 170, P76.
- GII203      YAMAMOTO, Yuta - SLÁDEK, Vladimír - ARULMOZHIRAJA, Sundaram - HAYAMIZU, Kohsuke - NAKANO, Shogo - ITO, Sohei - WATANABE, Yasuo - YAMADA, Shizuo - TOKIWA, Hiroaki. Molecular basis of ligand interaction of GPR40/GPR120 based on FMO calculations with multiple sequence analysis. In *Book of Abstracts: WATOC2017: 11th Triennial Congress of the World Association of Theoretical and Computational Chemistry, August 27-September 1, 2017, Munich, Germany*. - Munich : Ludwig-Maximilians-Universität, 2017, p. P03-53.
- GII204      ZAJIČKOVÁ, Mária, Spišáková - BELLA, Maroš - KOŮŠ, Miroslav. Synthesis of potential inhibitor of  $\alpha$ -mannosidase II designed by computational methods. In *19th European Carbohydrate Symposium EUROCARB, July 2-6 2017, Barcelona*. - Barcelona, 2017, p84, p. 47.
- GII205      ZIBUROVÁ, Jana - DOLEŠOVÁ, Lenka - VAVROVÁ, Ľudmila - VALENČÍKOVÁ, Romana - LOHAJOVÁ-BEHULOVÁ, Regina. Klinický exóm a jeho využitie v diagnostickej praxi. In *Sborník abstraktů a přednášek: 23. celostátní konference DNA diagnostiky, 28.-29. listopad 2019, Brno, Česká republika*. - Brno : Fakultní nemocnice Brno, 2019, s. 8.