

Ohlasy / Citations, reviews

Institute: SAVMOBIO - Ústav molekulárnej biológie SAV

Date of citation, review: 2015~2020

Citations, reviews

Citations in Web of Science Core Collection (1.1, 2.1)	6622
Citations in SCOPUS (1.2, 2.2)	566
Citations in other citation indexes and databases (not listed above) (3.2, 4.2)	90
Other citations (not listed above) (3.1, 4.1)	13
Reviews (5, 6)	0

Count

7291

AAB Scientific monographs published in Slovak publishing houses

AAB01 BOLVANSKÝ, Milan - BRINDZA, Ján - TÓTH, Dezider - BACIGÁLOVÁ, Kamila - FERIANEC, Peter - KARELOVÁ, Edita - HARICHOVÁ, Janka - KAČÁNIOVÁ, M. - HORČIN, Vojtech - MENDEL, Ľubomír - UŽÍK, M. *Gaštan jedlý (Castanea sativa Mill.) : biológia, pestovanie a využívanie* [European chestnut (Castanea sativa Mill.) : biology, cultivation and use]. Editor Ján Brindza. Nitra : Slovenská poľnohospodárska univerzita v Nitre, 2008. 169 s. Agrobiodiverzita. APVT-20-016602 ; VEGA 2/1038/21 ; 2/4157/04. ISBN 978-80-552-0076-7

Ohlasy:

1. [1.1] PASTOR, M. - DZURENDA, L. - BANSKI, A. - SLOBODNIK, B. - BENECAT, T. ENERGETIC CHARACTERISTICS OF THE DENDROMASS OF BRANCHES IN THE SWEET CHESTNUT (CASTANEA SATIVA MILL.). In ACTA FACULTATIS XYLOLOGIAE ZVOLEN. ISSN 1336-3824, 2017, vol. 59, no. 2, p. 127-135., Registrované v: WOS

ABC Chapters in scientific monographs published abroad

ABC01 BERNROITNER, M. - ZÁMOCKÝ, Marcel - PAIRER, M. - PESCHEK, G.A. - OBINGER, C. Cyanobacterial respiratory electron transport: Heme-Copper oxidases and their electron donors. In *Bioenergetic processes of cyanobacteria*. - London : Springer Sci+Business Media B.V., 2011, p. 657-658. ISBN 978-94-007-0352-0.

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2. [1.1] SCHMETTERER, G. In CYTOCHROME COMPLEXES: EVOLUTION, STRUCTURES, ENERGY TRANSDUCTION, AND SIGNALING. 2016, vol. 41, p. 331-355., Registrované v: WOS

- ABC02 GASSELHUBER, B. - JAKOPITSCH, C. - ZÁMOCKÝ, Marcel - FURTMULLER, P.G. - OBINGER, C. Mechanistic aspects of catalase-peroxidase. In *Heme peroxidases*. - Cambridge : RSC Publ., 2015, p. 156-180. ISBN 978-1-84973-911-5. Dostupné na: <https://doi.org/10.1039/9781782622628-00156>
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2. [1.1] NJUMA, O.J. - DAVIS, I. - NDONTSA, E.N. - KREWALL, J.R. - LIU, A.M. - GOODWIN, D.C. In *JOURNAL OF BIOLOGICAL CHEMISTRY*. NOV 10 2017, vol. 292, no. 45, p. 18408-18421., Registrované v: WOS
3. [1.1] WANG, B.J. - FITA, I. - ROVIRA, C. Theory Uncovers the Role of the Methionine-Tyrosine-Tryptophan Radical Adduct in the Catalase Reaction of KatGs: O(2)Release Mediated by Proton-Coupled Electron Transfer. In *CHEMISTRY-A EUROPEAN JOURNAL*. APR 6 2018, vol. 24, no. 20, SI, p. 5388-+, Registrované v: WOS
- ABC03 JANEČEK, Štefan. Alpha-amylases from Archaea: sequences, structures and evolution. In *Biotechnology of Extremophiles : advances and challenges*. - Springer Inter. Publ., 2016, p. 505-524. ISBN 978-3-319-13521-2.
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1. [1.1] GOMEZ-SILVA, Benito - VILO-MUNOZ, Claudia - GALETOVIC, Alexandra - DONG, Qunfeng - CASTELAN-SANCHEZ, Hugo G. - PEREZ-LLANO, Yordanis - DEL RAYO SANCHEZ-CARBENTE, Maria - DAVILA-RAMOS, Sonia - GABRIELA CORTES-LOPEZ, Nohemi - MARTINEZ-AVILA, Liliana - DOBSON, Alan D. W. - ALBERTO BATISTA-GARCIA, Ramon. Metagenomics of Atacama Lithobiontic Extremophile Life Unveils Highlights on Fungal Communities, Biogeochemical Cycles and Carbohydrate-Active Enzymes. In *MICROORGANISMS*, 2019, vol. 7, no. 12, pp. 619, Registrované v: WOS
2. [1.1] SALGAONKAR, Bhakti B. - SAWANT, Divya T. - HARINARAYANAN, Saranya - BRAGANCA, Judith M. Alpha-amylase Production by Extremely Halophilic Archaeon *Halococcus* Strain GUVSC8. In *STARCH-STARKE*. ISSN 0038-9056, 2019, vol. 71, no. 5-6, pp. 1800018, Registrované v: WOS
- ABC04 JANEČEK, Štefan. Structural features and evolutionary relationships in the alpha-amylase family. In *Glycoenzymes*. - Tokyo : Japan Sci Soc. Press, 2000, p. 19-54. ISBN 978-3-8055-7076-3.
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1. [1.1] SAHNOUN, Mouna - JEMLI, Sonia - TRABELSI, Sahar - AYADI, Leila - BEJAR, Samir (samir.bejar@cbs.rnrt.tn). In *PLoS One*. ISSN 1932-6203, APR 21 2016, vol. 11, no. 4, p. e0153868., Registrované v: WOS
- ABC05 KORMANEC, Ján - ŠEVČÍKOVÁ, Beatrice - NOVÁKOVÁ, Renáta - HOMEROVÁ, Dagmar - REŽUCHOVÁ, Bronislava - MINGYAR, Erik. The complex regulatory network in the regulation of stress-response sigma factors in *Streptomyces coelicolor* A3(2). In *Stress and environmental regulation of gene*

expression and adaptation in bacteria. - John Wiley & Sons, Inc., 2016, p. 328-343. ISBN 978-1-119-00488-2.

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1. [1.1] LÓPEZ-GARCÍA, María T. - YAGÜE, Paula - GONZÁLEZ-QUIÑÓNEZ, Nathaly - RIOSERAS, Beatriz - MANTECA, Angel. The SCO4117 ECF sigma factor pleiotropically controls secondary metabolism and morphogenesis in streptomyces coelicolor. In *Frontiers in Microbiology*, 2018-02-21, 9, FEB, pp. 312, Registrované v: WOS

ABC06 KUTEJOVÁ, Eva - KUCERA, T. - MATUSKOVA, A. - JANATA, J. Mitochondrial processing peptidase. In *Handbook of Proteolytic Enzymes*. - Oxford : Elsevier Sci, 2013, p. 1435-1442. ISBN 9780123822192.

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1. [1.1] ARMENTEROS, Jose Juan Almagro - SALVATORE, Marco - EMANUELSSON, Olof - WINTHER, Ole - VON HEIJNE, Gunnar - ELOFSSON, Arne - NIELSEN, Henrik. Detecting sequence signals in targeting peptides using deep learning. In *LIFE SCIENCE ALLIANCE*, 2019, vol. 2, no. 5, pp. e201900429, Registrované v: WOS

ABC07 PIETRZAK, K. - OTLEWSKA, A. - DYBKA, K. - DANIELEWICZ, D. - PANGALLO, Domenico - DEMNEROVA, K. - ĐUROVIĆ, Momir - KRAKOVÁ, Lucia - SCHOLTZ, V. - BUČKOVÁ, Mária. A modern approach to biodeterioration assessment and disinfection of historical book. In *A modern approach to biodeterioration assessment and the disinfection of historical book collections*. - Lodz : Lodz Univ. Technology, 2016, p. 81-125. ISBN 978-83-63929-01-5.

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1. [1.1] SEQUEIRA, S.O. - DE CARVALHO, H.P. - MESQUITA, N. - PORTUGAL, A. - MACEDO, M.F. Fungal stains on paper: is what you see what you get?. In *CONSERVAR PATRIMONIO*. ISSN 1646-043X, SEP 2019, no. 32, p. 18-27., Registrované v: WOS

ABC08 PIETRZAK, K. - KOZIROG, A. - BUČKOVÁ, Mária - PUŠKÁROVÁ, Andrea - SCHOLTZ, V. Disinfection methods for paper. In *A modern approach to biodeterioration assessment and the disinfection of historical book collections*. - Lodz : Lodz Univ. Technology, 2016, p. 56-80. ISBN 978-83-63929-01-5.

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1. [1.1] ALI, M. EFFECT OF FIVE ESSENTIAL OILS AS GREEN DISINFECTANTS ON SELECTED PHOTOGRAPHIC PRINTS: EXPERIMENTAL STUDY. In *CONSERVATION SCIENCE IN CULTURAL HERITAGE*. ISSN 1974-4951, 2020, vol. 20, p. 79-97., Registrované v: WOS

ABC09 REBETS, Y. - KORMANEC, Ján - LUZHETSKYY, A. - BERNAERTS, K. - ANNÉ, J. Cloning and expression of metagenomic DNA in *Streptomyces lividans* and subsequent fermentation for optimized production. In *Metagenomics : methods and Protocols*. - New York : Springer, 2017, p. 99-144. (2016: 0.585 - SJR, Q3 - SJR). (2017 - SCOPUS). ISBN 978-1-4939-6689-9. Dostupné na: https://doi.org/10.1007/978-1-4939-6691-2_8

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2. [1.1] NIU, Guoqing - LI, Wenli. Next-Generation Drug Discovery to Combat Antimicrobial Resistance. In *TRENDS IN BIOCHEMICAL SCIENCES*. ISSN 0968-0004, 2019, vol. 44, no. 11, pp. 961-972., Registrované v: WOS
3. [1.1] SEKUROVA, Olga N. - SCHNEIDER, Olha - ZOTCHEV, Sergey B. Novel bioactive natural products from bacteria via bioprospecting, genome mining and metabolic engineering. In *MICROBIAL BIOTECHNOLOGY*. ISSN 1751-7915, 2019, vol. 12, no. 5, pp. 828-844., Registrované v: WOS
4. [1.1] VICENTE, C.M. - THIBESSARD, A. - LORENZI, J.N. - BENHADJ, M. - HOTEL, L. - GACEMI-KIRANE, D. - LESPINET, O. - LEBLOND, P. - AIGLE, B. Comparative Genomics among Closely Related *Streptomyces* Strains Revealed Specialized Metabolite Biosynthetic Gene Cluster Diversity. In *ANTIBIOTICS-BASEL*. DEC 2018, vol. 7, no. 4., Registrované v: WOS
5. [1.1] WILTSCHI, B. - CERNAVA, T. - DENNIG, A. - CASAS, M.G. - GEIER, M. - GRUBER, S. - HABERBAUER, M. - HEIDINGER, P. - ACERO, E.H. - KRATZER, R. - LULEY-GOEDL, C. - MULLER, C.A. - PITZER, J. - RIBITSCH, D. - SAUER, M. - SCHMOLZER, K. - SCHNITZHOFFER, W. - SENSEN, C.W. - SOH, J. - STEINER, K. - WINKLER, C.K. - WINKLER, M. - WRIESSNEGGER, T. Enzymes revolutionize the bioproduction of value-added compounds: From enzyme discovery to special applications. In *BIOTECHNOLOGY ADVANCES*. ISSN 0734-9750, MAY-JUN 2020, vol. 40., Registrované v: WOS
6. [1.1] WU, F.F. - HU, S.P. - RAN, Y. - CHEN, X.N. - LIN, S. Gene Mining and Sequence Analysis of Purine Nucleosidase Based on RNA-Seq. In *JOVE-JOURNAL OF VISUALIZED EXPERIMENTS*. ISSN 1940-087X, OCT 2020, no. 164., Registrované v: WOS

ABC10 URZI, C. - DE LEO, F. - BRUNO, L. - PANGALLO, Domenico - KRAKOVÁ, Lucia. New species description, biomineralization processes and biocleaning applications of Roman catacombs-living bacteria. In *Conservation of subterranean cultural heritage*. - CRC Press-Taylor & Francis Group, 2014, p. 65-72. ISBN 978-1-315-73997-7.

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2. [1.1] SANMARTIN, P. - VAZQUEZ-NION, D. - ARINES, J. - CABO-DOMINGUEZ, L. - PRIETO, B. In *INTERNATIONAL BIODETERIORATION & BIODEGRADATION*. AUG 2017, vol. 122, p. 107-115., Registrované v: WOS
3. [1.1] TOMASSETTI, M.C. - CIRIGLIANO, A. - ARRIGHI, C. - NEGRI, R. - MURA, F. - MANESCHI, M.L. - GENTILI, M.D. - STIRPE, M. - MAZZONI, C. - RINALDI, T. In *SCIENTIFIC REPORTS*. JUL 20 2017, vol. 7., Registrované v: WOS
4. [1.1] WEATHERBEE, C.R. - PECHAL, J.L. - BENBOW, M.E. In

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ABC11 ZÁMOCKÝ, Marcel - OBINGER, C. Molecular phylogeny of heme
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Np-PMMA Film via Casting with Sustainable Biocatalytic Activity. In
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2. [1.1] ANDEER, P.F. - LEARMAN, D.R. - MCILVIN, M. - DUNN,
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3. [1.1] BILAL, M. - ASHRAF, S.S. - FERREIRA, L.F.R. - CUI, J.D. -
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INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES.
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4. [1.1] BILAL, M. - RASHEED, T. - IQBAL, H.M.N. - YAN, Y.J.
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7. [1.1] DRAGANA, R. - NIKOLA, G. - ZELJKO, D. - GORDANA, A.
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12. [1.1] FLEMMIG, J. - SCHWARZ, P. - BACKER, I. - LEICHSENRING, A. - LANGE, F. - ARNHOLD, J. In JOVE-JOURNAL OF VISUALIZED EXPERIMENTS. JUL 2016, no. 113., Registrované v: WOS
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15. [1.1] CHAURASIA, S.K. - BHARDWAJ, N.K. Biobleaching-An ecofriendly and environmental benign pulp bleaching technique: A review. In JOURNAL OF CARBOHYDRATE CHEMISTRY. ISSN 0732-8303, FEB 12 2019, vol. 38, no. 2, p. 87-108., Registrované v: WOS
16. [1.1] CHOUDHURY, T.P. - GUPTA, L. - KUMAR, S. Identification, characterization and expression analysis of *Anopheles stephensi* double peroxidase. In ACTA TROPICA. ISSN 0001-706X, FEB 2019, vol. 190, p. 210-219., Registrované v: WOS
17. [1.1] JAVIER, L.H. - BENZEKRI, H. - GUT, M. - CLAROS, M.G. - VAN BERGEIJK, S. - CANAVATE, J.P. - MANCHADO, M. Characterization of Iodine-Related Molecular Processes in the Marine Microalga *Tisochrysis lutea* (Haptophyta). In FRONTIERS IN MARINE SCIENCE. APR 24 2018, vol. 5., Registrované v: WOS
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21. [1.1] MOHAMED, S.A. - AL-GHAMDI, S.S. - EL-SHISHTAWY, R.M. In INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES. OCT 2016, vol. 91, p. 663-670., Registrované v: WOS
22. [1.1] NAFISA - SHOAIB, A. - IQBAL, J. - KHAN, K.A. Evaluation of phenotypic, physiological and biochemical attributes connected with resistance in tomato against *Alternaria solani*. In ACTA PHYSIOLOGIAE PLANTARUM. ISSN 0137-5881, MAY 5 2020, vol. 42, no. 5., Registrované v: WOS
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24. [1.1] OLIVEIRA, R.A.D. - DE ANDRADE, A.S. - IMPARATO,

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25. [1.1] OVERGARD, A.C. - EICHNER, C. - NILSEN, F. - DALVIN, S. In COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY A-MOLECULAR & INTEGRATIVE PHYSIOLOGY. APR 2017, vol. 206, p. 1-10., Registrované v: WOS
26. [1.1] RAHMANPOUR, R. - BUGG, T.D.H. In HEME PEROXIDASES. 2016, no. 4, p. 334-357., Registrované v: WOS
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29. [1.1] SHEIKH, I.A. - YASIR, M. - KHAN, I. - KHAN, S.B. - AZUM, N. - JIFFRI, E.H. - KAMAL, M.A. - ASHRAF, G.M. - BEG, M.A. Lactoperoxidase immobilization on silver nanoparticles enhances its antimicrobial activity. In JOURNAL OF DAIRY RESEARCH. NOV 2018, vol. 85, no. 4, p. 460-464., Registrované v: WOS

ACB Academic/university textbooks published in Slovak publishing houses

ACB01 ŠIMONOVICHOVÁ, A. - PIECKOVÁ, E. - FERIANC, Peter - HANAJÍK, Peter - HORVÁTH, Rozália. *Environmentálna mikrobiológia*. Rec. Z. Bedrna, I. Čížnár, H. Vojtková. Bratislava : Univerzita Komenského, 2013. ISBN 978-80-223-3382-5

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ADCA01 ABBOTT, W. - ALBER, O. - BAYER, E. - BERRIN, J.G. - BORASTON, A. - JANEČEK, Štefan. Ten years of CAZypedia: a living encyclopedia of carbohydrate-active enzymes. In *Glycobiology*, 2018, vol. 28, p. 3-8. (2017: 3.664 - IF, Q2 - JCR, 1.493 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0959-6658. Dostupné na: <https://doi.org/10.1093/glycob/cwx089>

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