

Publikácie / Publications

Institute : SAVHYDRO - Ústav hydrológie SAV
Year of publication 2016~2021

Statistics publication category

AAA	Scientific monographs published abroad	2
AAB	Scientific monographs published in Slovak publishing houses	4
ABB	Monographic studies in journals and proceedings published in Slovak publishing houses	1
ABC	Chapters in scientific monographs published abroad	10
ABD	Chapters in scientific monographs published in Slovak publishing houses	28
ADCA	Scientific papers in foreign journals registered in Current Contents Connect with IF (impacted)	54
ADDA	Scientific papers in domestic journals registered in Current Contents Connect with IF (impacted)	38
ADEB	Scientific papers in other foreign journals not registered in Current Contents Connect without IF (non-impacted)	7
ADFA	Scientific papers in other domestic journals not registered in Current Contents Connect with IF (impacted)	1
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AECA	Scientific papers in foreign peer-reviewed proceedings and shorter chapters in foreign scientific monographs or academic/university textbooks	11
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BEF	Professional papers in domestic proceedings (conference/non-conference; peer-reviewed/non-peer-reviewed)	10
EDJ	Overview works, professional publications, translations of norms and standards and other professional translations published in journals and proceedings/collective publications	3
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GII	Other publications and documents which is not possible to categorize into classes/categories mentioned above	29
Count		631

AAA Scientific monographs published abroad

- AAA01 ANTAL, László - BABINSZKY, László - BÁCSI, István - BAI, Attila - BALLÁNE KOVÁCS, Andrea - NAGY, Viliam - ORFÁNUS, Tomáš. *VÍZZEL KAPCSOLATOS KUTATÁSOK : precíziós mezőgazdaság*. Prof. dr. Nagy János (ed.). Debrecén : University Debrecen, 2020. 277 p. ISBN 978-615-5938-01-6
- AAA02 NOVÁK, Viliam - HLAVÁČIKOVÁ, Hana. *Applied Soil Hydrology*. Vol. 32. Series Title: Theory and Applications of Transport in Porous Media. Cham : Springer International Publishing, 2019. 342 p. Dostupné na: <https://doi.org/10.1007/978-3-030-01806-1>. ISBN 978-3-030-01806-1

AAB Scientific monographs published in Slovak publishing houses

- AAB01 BOCHNÍČEK, Oliver - BLÁŠKOVICOVÁ, L. - DAMBORSKÁ, Ingrid - FENDEK, M. - FENDEKOVÁ, Miriam - HORVÁT, Oliver - PEKÁROVÁ, Pavla - SLIVOVÁ, Valéria - VRABLÍKOVÁ, Dana. *Prognosis of hydrological drought development in Slovakia*. Miriam Fendeková, Lotta Blaškovičová (Eds.), Recenzenti: Silvia Kohnová, Martina Zeleňáková. Bratislava : Univerzita Komenského v Bratislave, 2018. 181 p. ISBN 978-80-223-4673-3
- AAB02 LICHNER, Ľubomír - ŠURDA, Peter - NAGY, Viliam. *Vplyv vegetácie a jej sukcesie na hydrologické procesy v pôde* [Impact of vegetation and its succession on soil hydrological processes]. Bratislava : Veda, 2020. 93 s. ISBN 978-80-224-1812-6
- AAB03 NOVÁK, Viliam - HLAVÁČIKOVÁ, Hana. *Hydrológia pôdy* [Soil Hydrology]. Recenzenti: Jaroslav Antal, Bohdan Juráni. 1. vyd. Bratislava : Veda, 2016. 347 s. ISBN 978-80-224-1529-3
- AAB04 PEKÁROVÁ, Pavla - BAČOVÁ MITKOVÁ, Veronika - PEKÁR, Ján - MIKLÁNEK, Pavol - HALMOVÁ, Dana - LIOVÁ, S. *Historické povodne na území Slovenska a ich význam v hydrológii* [Historical floods on the territory of Slovakia

and their importance in hydrology]. Veronika Bačová Mitková, Ján Pekár, Pavol Miklánek, Dana Halmová, S. Liová. Bratislava : Veda, vydavateľstvo Slovenskej akadémie vied, 2018. 135 s. ISBN 978 -80-224-1684-9

ABB Monographic studies in journals and proceedings published in Slovak publishing houses

- ABB01 DANÁČOVÁ, Zuzana - BLAŠKOVIČOVÁ, L. - POÓROVÁ, Jana - ŠIMOR, V. - FENDEK, Marián - HORVÁT, Oliver - FENDEKOVÁ, Miriam - PEKÁROVÁ, Pavla - PEKÁR, Ján. Vývoj a prognóza výskytu hydrologického sucha v prietokoch [Development and prognosis of hydrologic drought in discharges]. L. Blaškovičová, J. Poórová, V. Šimor, M. Fendek, O. Horvát, M. Fendeková, P. Pekárová, J. Pekár. In *Hydrologické sucho na Slovensku a prognóza jeho vývoja*. - Bratislava : Univerzita Komenského, 2017, s. 101-218. ISBN 978-80-223-4398-5.

ABC Chapters in scientific monographs published abroad

- ABC01 DUŠEK, Petr - VELÍSKOVÁ, Yvetta. Interaction Between Groundwater and Surface Water of Channel Network at Žitný Ostrov Area. Yvetta Velísková. In *Water Resources in Slovakia: Part I Assessment and Development : The Handbook of Environmental Chemistry*. - Berlin ; Heidelberg : Springer International Publishing, 2019, p. 135-166. ISBN 978-3-319-92853-1. ISSN 1867-979X. Dostupné na: https://doi.org/10.1007/698_2017_177
- ABC02 FERANEC, Ján - SZATMÁRI, Daniel - HOLEC, Juraj - GARAJ, Marcel - KOPECKÁ, Monika - ŠŤASTNÝ, Pavel. Influence of land cover/land use changes on urban heat island: Case study of Bratislava. In *Land Use/Cover Changes in Selected Regions in the World*. Volume XIII. - Asahikawa : International Geographical Union Commission on Land Use/Cover Change : Hokkaido University of Education, 2018, p. 29-42. ISBN 978-4-907651-14-5.
- ABC03 GOMBOŠ, Milan - KANDRA, Branislav - TALL, Andrej - PAVELKOVÁ, Dana. Analysis of Non-Rainfall Periods and Their Impacts on the Soil Water Regime. In *Hydrology*. - London : IntechOpen Limited, 2019, p. 148-207. ISBN 978-1-83880-324-7. Dostupné na: <https://doi.org/10.5772/intechopen.82399>
- ABC04 GOMBOŠ, Milan - PAVELKOVÁ, Dana - KANDRA, Branislav - TALL, Andrej. Impact of Soil Texture and Position of Groundwater Level on Evaporation from the Soil Root Zone. Dana Pavelková, Branislav Kandra, Andrej Tall. In *Water Resources in Slovakia: Part I Assessment and Development : The Handbook of Environmental Chemistry*. - Berlin ; Heidelberg : Springer International Publishing, 2019, p. 167-184. ISBN 978-3-319-92853-1. ISSN 1867-979X. Dostupné na: https://doi.org/10.1007/698_2017_181
- ABC05 GOMBOŠ, Milan** - TALL, Andrej - KANDRA, Branislav - PAVELKOVÁ, Dana. Study on Impact of Clay Minerals on the Characteristics of Volume Changes of Heavy Soils. London : Book Publisher International, 2021. Dostupné na: <https://doi.org/10.9734/bpi/ciees/v6/10388D>
- ABC06 NAGY, Viliam - ORFÁNUS, Tomáš - ŠURDA, Peter - LIČNER, Ľubomír. Felszín alatti vízkészletek monitorozása – a talajnedvesség mint megújuló

energiaforrás. Tomáš Orfánus, Peter Šurda, Ľubomír Lichner. In *Hangsúlyok a térfejlesztésben*. - Debrecen : Agrár Egyetem, 2018, p. 323-344. ISBN 978-615-00-2072-3.

ABC07 NAGY, Viliam - ORFÁNUS, Tomáš - LICHNER, Ľubomír - ŠURDA, Peter - MILICS, G. Soil moisture distribution mapping in topsoil. In *Towards Sustainable Agricultural and Biosystems Engineering*. - Győr : Universitas-Győr Nonprofit Ltd, 2017, p. 153-172. ISBN 978-615-5776-03-8.

ABC08 PAŘÍLKOVÁ, Jana - ZACHOVAL, Z. - GOMBOŠ, Milan - PAVELKOVÁ, Dana - GJUNSBURGS, Boriss - GINTS, J. - YANEV, Y. - TONEVA-ZHEYNOVA, D. - ZYDRON, Tymoteusz - GRUCHOT, Andrzej. Monitoring of Changes in Water Content in Soil Pores of Earth-Fill Dams. In *Management of Water Quality and Quantity*. - Cham : Springer, 2020, 2020, p. 307-329. ISBN 978-3-030-18358-5.

ABC09 SOKÁČ, Marek - VELÍSKOVÁ, Yvetta. Impact of Combined Sewer Overflows Events on Recipient Water Quality. In *The Handbook of Environmental Chemistry*. - Berlin ; Heidelberg : Springer, 2021, p. 1-31. ISSN 1867-979X. Dostupné na: https://doi.org/10.1007/698_2021_782

ABC10 VELÍSKOVÁ, Yvetta - SOKÁČ, Marek - SIMAN, Cyril. Assessment of Water Pollutant Sources and Hydrodynamics of Pollution Spreading in Rivers. Marek Sokáč, Cyril Siman. In *Water Resources in Slovakia: Part I Assessment and Development : The Handbook of Environmental Chemistry*. - Berlin ; Heidelberg : Springer International Publishing, 2019, p. 185-212. ISBN 978-3-319-92853-1. ISSN 1867-979X. Dostupné na: https://doi.org/10.1007/698_2017_199

ABD Chapters in scientific monographs published in Slovak publishing houses

ABD01 BAČOVÁ MITKOVÁ, Veronika - HALMOVÁ, Dana. Vzájomný vzťah základných zložiek prietokových vln na Dunaji v Bratislave [Relationship of discharge wave components on the Danube River in Bratislava]. Dana Halmová. In *Hydrologický výskum v podmienkach prebiehajúcej klimatickej zmeny*. - Bratislava : Veda, 2018, s. 189-212. ISBN 978-80-224-1691-7.

ABD02 BAČOVÁ MITKOVÁ, Veronika - PEKÁROVÁ, Pavla - MIKLÁNEK, Pavol. Zmeny hydrologického režimu Slovenského úseku Dunaja [Hydrological regime changes of the Danube River in Slovakia]. Pavla Pekárová, Pavol Miklášek. In *Hydrologický výskum v podmienkach prebiehajúcej klimatickej zmeny*. - Bratislava : Veda, 2018, s. 158-188. ISBN 978-80-224-1691-7.

ABD03 BREZIANSKÁ, Katarína - VITKOVÁ, Justína - ŠURDA, Peter. Analýza sucha a vplyv klimatických zmien na zásobu vody v pôde na Záhorskej nížine [Drought analysis and impact of climate change on soil water storage at Zahorska lowland]. Justína Vítková, Peter Šurda. In *Aktuálne problémy zóny aerácie pôdy v podmienkach prebiehajúcej klimatickej zmeny*. - Bratislava : Veda, vydavateľstvo Slovenskej akadémie vied, 2018, s. 307-335. ISBN 978-80-224-1690-0.

ABD04 BREZIANSKÁ, Katarína - HLAVÁČIKOVÁ, Hana. Laboratótny výskum hydro-fyzikálnych charakteristík zmesí zeminy a biouhľia [Laboratory research of

hydro-physical characteristics of soil and biochar mixtures]. Hana Hlaváčiková. In *Aktuálne problémy zóny aerácie pôdy v podmienkach prebiehajúcej klimatickej zmeny*. - Bratislava : Veda, vydavateľstvo Slovenskej akadémie vied, 2018, s. 137-165. ISBN 978-80-224-1690-0.

- ABD05 ČELKOVÁ, Anežka. Výskyt mineralizovanej podzemnej vody na Podunajskej a Východoslovenskej nížine a jej vplyv na zasoľovanie pôdy [Occurrence of mineralized groundwater in the Danubian and East Slovakian lowlands and its impact on soil salinization]. In *Aktuálne problémy zóny aerácie pôdy v podmienkach prebiehajúcej klimatickej zmeny*. - Bratislava : Veda, vydavateľstvo Slovenskej akadémie vied, 2018, s. 166-196. ISBN 978-80-224-1690-0.
- ABD06 DULOVIČOVÁ, Renáta - VELÍSKOVÁ, Yvetta - SCHÜGERL, Radoslav. Vývoj zanášania kanálovej siete Žitného ostrova a jeho vplyv na mieru interakcie povrchových a podzemných vôd v tejto oblasti [The course of channel network silting up at Žitný ostrov and its impact to range of interaction between surface and groundwater in this are]. Yvetta Velísková, Radoslav Schügerl. In *Hydrologický výskum v podmienkach prebiehajúcej klimatickej zmeny*. - Bratislava : Veda, 2018, s. 213-250. ISBN 978-80-224-1691-7.
- ABD07 GOMBOŠ, Milan - TALL, Andrej - KANDRA, Branislav - PAVELKOVÁ, Dana. Kvantifikácia sedimentačných procesov pôdnych mikročastíc [Quantification of sedimentation processes of soil microparticles]. Andrej Tall, Branislav Kandra, Dana Pavelková. In *Aktuálne problémy zóny aerácie pôdy v podmienkach prebiehajúcej klimatickej zmeny*. - Bratislava : Veda, vydavateľstvo Slovenskej akadémie vied, 2018, s. 230-262. ISBN 978-80-224-1690-0.
- ABD08 HLAVÁČIKOVÁ, Hana - NOVÁK, Viliam - DANKO, Michal - HOLKO, Ladislav. Skeletnaté pôdy v malom horskom povodí [Stony soils in a small mountainous catchment]. Viliam Novák, Michal Danko, Ladislav Holko. In *Hydrologický výskum v podmienkach prebiehajúcej klimatickej zmeny*. - Bratislava : Veda, 2018, s. 51-93. ISBN 978-80-224-1691-7.
- ABD09 HOLKO, Ladislav - DANKO, Michal - KRAJČÍ, Pavel. Priestorové rozloženie snehu a tvorba odtoku počas topenia snehu vo vrcholovom horskom mikropovodí [Spatial distribution of snow cover and snowmelt runoff formation in a mountain headwater catchment]. Michal Danko, Pavel Krajčí. In *Hydrologický výskum v podmienkach prebiehajúcej klimatickej zmeny*. - Bratislava : Veda, 2018, s. 94-128. ISBN 978-80-224-1691-7.
- ABD10 HOLKO, Ladislav - KOSTKA, Zdeňek - DANKO, Michal - HLAVÁČIKOVÁ, Hana. Výskum povrchového odtoku v územiach s rôznou geologickou stavbou [Overland flow research in catchments with different geology]. In *Hydrologický výskum v podmienkach prebiehajúcej klimatickej zmeny*. - Bratislava : Veda, 2018, s. 129-157. ISBN 978-80-224-1691-7.
- ABD11 HOLKO, Ladislav - DANKO, Michal. Základné prvky hydrologickej bilancie horského povodia - tridsať rokov meraní v povodí Jaloveckého potoka [Basic components of the water balance of a mountain catchment - 30 years of measurements in the Jalovecký Creek catchment]. Michal Danko. In *Hydrologický*

výskum v podmienkach prebiehajúcej klimatickej zmeny. - Bratislava : Veda, 2018, s. 14-50. ISBN 978-80-224-1691-7.

- ABD12 JURIK, Luboš - LICHNER, Ivan - NOVÁK, Viliam - SIEKEL, Peter. Intenzívnejšia globálna súťaž o zdroje : 7.A. Voda, 7.B. Nerastné suroviny, 7.C. Potraviny = Intensified global competition for resources. In *Globálne megatrendy : Hodnotenie a výzvy z pohľadu Slovenskej republiky*. - Bratislava : Centrum spoločenských a psychologických vied, 2016, s. 103-155. ISBN 978-80-970850-2-5.
- ABD13 KANDRA, Branislav - TALL, Andrej - GOMBOŠ, Milan - PAVELKOVÁ, Dana. Špecifikácia retenčných vlastností ťažkých pôd na Východoslovenskej nížine [Specification of heavy soils retention properties in the East Slovakian Lowland]. Andrej Tall, Milan Gomboš, Dana Pavelková. In *Aktuálne problémy zóny aerácie pôdy v podmienkach prebiehajúcej klimatickej zmeny*. - Bratislava : Veda, vydavateľstvo Slovenskej akadémie vied, 2018, s. 263-284. ISBN 978-80-224-1690-0.
- ABD14 KOVÁČOVÁ, Viera. Analýza miery salinizácie a alkalizácie pôdneho profilu a ich vývoj na území Žitného ostrova [The analysis of salinization and alkalization processes of the soil profile and their development on Žitny ostrov area]. In *Hydrologický výskum v podmienkach prebiehajúcej klimatickej zmeny*. - Bratislava : Veda, 2018, s. 251-279. ISBN 978-80-224-1691-7.
- ABD15 NOVÁK, Viliam - HLAVÁČIKOVÁ, Hana. Toky vody a energie v ekosystéme a produkcia biomasy [Water and energy fluxes in the ecosystem and biomass production]. Hana Hlaváčiková. In *Aktuálne problémy zóny aerácie pôdy v podmienkach prebiehajúcej klimatickej zmeny*. - Bratislava : Veda, vydavateľstvo Slovenskej akadémie vied, 2018, s. 19-53. ISBN 978-80-224-1690-0.
- ABD16 ORFÁNUS, Tomáš - ZVALA, Anton - NAGY, Viliam. Infiltrácia vody do lesnej pôdy – čo všetko nám signalizujú merania? [Water infiltration to the forest soil – What all signal measurements?]. Anton Zvala, Viliam Nagy. In *Aktuálne problémy zóny aerácie pôdy v podmienkach prebiehajúcej klimatickej zmeny*. - Bratislava : Veda, vydavateľstvo Slovenskej akadémie vied, 2018, s. 54-82. ISBN 978-80-224-1690-0.
- ABD17 PAVELKOVÁ, Dana - GOMBOŠ, Milan - KANDRA, Branislav - TALL, Andrej. Ovplyvňovanie zásob vody v pôdach Medzibodrožia polohou hladiny podzemnej vody [Influencing of water storage in Medzibodrožie soils by the position of the groundwater level]. Milan Gomboš, Branislav Kandra, Andrej Tall. In *Aktuálne problémy zóny aerácie pôdy v podmienkach prebiehajúcej klimatickej zmeny*. - Bratislava : Veda, vydavateľstvo Slovenskej akadémie vied, 2018, s. 197-229. ISBN 978-80-224-1690-0.
- ABD18 PEKÁROVÁ, Pavla - PEKÁR, Ján - MIKLÁNEK, Pavol. Analysis of cyclicity and long-term trends of annual series, and Qmax series. In *Flood regime of rivers in the Danube River basin : The Danube and its Basin – Hydrological Monograph Follow-up Volume IX*. 1st edition. - Bratislava : Slovak Academy of Sciences, Institute of Hydrology, 2019, p. 77-100. ISBN 978-80-89139-45-3. Dostupné na internete: <<https://doi.org/10.31577/2019.9788089139460>>

- ABD19 PEKÁROVÁ, Pavla - MIKLÁNEK, Pavol - BÁLINT, Gábor - BELZ, Jörg Uwe - BIONDIĆ, Danko - GORBACHOVA, Liudmyla - KOBOLD, Mira - KUPUSOVIĆ, Esena - SOUKALOVÁ, Eva - PROHASKA, Stevan - ŠKODA, Peter - STANZEL, Philipp - TEODOR, Sorin. Average daily discharge and annual peak discharge series collection. In *Flood regime of rivers in the Danube River basin : The Danube and its Basin – Hydrological Monograph Follow-up Volume IX*. 1st edition. - Bratislava : Slovak Academy of Sciences, Institute of Hydrology, 2019, p. 15-42. ISBN 978-80-89139-45-3. Dostupné na internete: <<https://doi.org/10.31577/2019.9788089139460>>
- ABD20 PEKÁROVÁ, Pavla - MIKLÁNEK, Pavol - PEKÁR, Ján. History and downstream propagation of the Danube floods. In *Flood regime of rivers in the Danube River basin : The Danube and its Basin – Hydrological Monograph Follow-up Volume IX*. 1st edition. - Bratislava : Slovak Academy of Sciences, Institute of Hydrology, 2019, p. 43-64. ISBN 978-80-89139-45-3. Dostupné na internete: <<https://doi.org/10.31577/2019.9788089139460>>
- ABD21 PEKÁROVÁ, Pavla - DROBOT, Radu - BAČOVÁ MITKOVÁ, Veronika - MÉSZÁROS, Jakub - DRAGHIA, Aurelian Florentin. Statistical analysis of extreme discharges. In *Flood regime of rivers in the Danube River basin : The Danube and its Basin – Hydrological Monograph Follow-up Volume IX*. 1st edition. - Bratislava : Slovak Academy of Sciences, Institute of Hydrology, 2019, p. 123-150. ISBN 978-80-89139-45-3. Dostupné na internete: <<https://doi.org/10.31577/2019.9788089139460>>
- ABD22 RÖSSLER, Ole - BELZ, Jörg Uwe - MÜRLEBACH, Michael - LARINA-POOTH, Maria - HALMOVÁ, Dana - GARAJ, Marcel - PEKÁROVÁ, Pavla. Analysis of the intra-annual regime of flood flow and its changes in the Danube basin. In *Flood regime of rivers in the Danube River basin : The Danube and its Basin – Hydrological Monograph Follow-up Volume IX*. 1st edition. - Bratislava : Slovak Academy of Sciences, Institute of Hydrology, 2019, p. 101-122. ISBN 978-80-89139-45-3. Dostupné na internete: <<https://doi.org/10.31577/2019.9788089139460>>
- ABD23 SCHÜGERL, Radoslav - VELÍSKOVÁ, Yvetta - DULOVIČOVÁ, Renáta. Identifikácia zmien prietokových pomerov a rýchlostného profilu pri prúdení s voľnou hladinou [Identification changes of the discharge and flow velocity components for free-level flow]. Yvetta Velísková, Renáta Dulovičová. In *Hydrologický výskum v podmienkach prebiehajúcej klimatickej zmeny*. - Bratislava : Veda, 2018, s. 312-343. ISBN 978-80-224-1691-7.
- ABD24 SIMAN, Cyril - VELÍSKOVÁ, Yvetta. Zdroje znečistenia povrchových tokov Slovenska a hydrodynamický prístup k transportu znečistenia v tokoch [Sources of pollution of surface streams in Slovakia and hydrodynamic approach to the transport of pollution in streams]. In *Hydrologický výskum v podmienkach prebiehajúcej klimatickej zmeny*. - Bratislava : Veda, 2018, s. 344-379. ISBN 978-80-224-1691-7.
- ABD25 SOČUVKA, Valentín - VELÍSKOVÁ, Yvetta. Monitoring zmien batymetrie zdrže Veľké Kozmálovce a parametrov jej hydraulikkej spojitosti s okolitým

vodným prostredím [Monitoring of changes in bathymetry of the Veľké Kozmálovce reservoir and parameters of its hydraulic connection with the surrounding aquatic environment]. Yveta Velísková. In *Hydrologický výskum v podmienkach prebiehajúcej klimatickej zmeny*. - Bratislava : Veda, 2018, s. 280-311. ISBN 978-80-224-1691-7.

ABD26 ŠURDA, Peter - LIČNER, Ľubomír - NAGY, Viliam - VITKOVÁ, Justína. Vplyv vegetácie a pôdneho reliéfu na pohyb vody v piesočnatej pôde [Effect of vegetation and soil relief on water movement in sandy soil]. Ľubomír Ličner, Viliam Nagy, Justína Vitková. In *Aktuálne problémy zóny aerácie pôdy v podmienkach prebiehajúcej klimatickej zmeny*. - Bratislava : Veda, vydavateľstvo Slovenskej akadémie vied, 2018, s. 83-110. ISBN 978-80-224-1690-0.

ABD27 TALL, Andrej - KANDRA, Branislav - GOMBOŠ, Milan - PAVELKOVÁ, Dana. Kvantifikácia hydrologických procesov pomocou lyzimetra [Quantification of hydrological processes using a lysimeter]. Branislav Kandra, Milan Gomboš, Dana Pavelková. In *Aktuálne problémy zóny aerácie pôdy v podmienkach prebiehajúcej klimatickej zmeny*. - Bratislava : Veda, vydavateľstvo Slovenskej akadémie vied, 2018, s. 285-306. ISBN 978-80-224-1690-0.

ABD28 VITKOVÁ, Justína - ŠURDA, Peter - RODNÝ, Marek. Zmeny hydrofyzikálnych charakteristík pôdy po aplikácii biouhľia v poľných podmienkach [Changes of soil hydrophysical characteristics after biochar application in field conditions]. Peter Šurda, Marek Rodný. In *Aktuálne problémy zóny aerácie pôdy v podmienkach prebiehajúcej klimatickej zmeny*. - Bratislava : Veda, vydavateľstvo Slovenskej akadémie vied, 2018, s. 111-136. ISBN 978-80-224-1690-0.

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

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- AFL02 HONEK, David - ŠULC MICHÁLKOVÁ, Monika - NÉMETOVÁ, Zuzana - CALETKA, Martin - KARÁSEK, Petr - KONEČNÁ, Jana - SOČUVKA, Valentín -

VELÍSKOVÁ, Yvetta. Sedimentace v malých vodních nádržích. In *Sedimenty vodných tokov a nádrží pod záštitou podpredsedu vlády a ministra životného prostredia SR : IX. konferencia s medzinárodnou účasťou*. - Bratislava : Slovenská vodohospodárska spoločnosť, člen ZSVTS, 2019, s. 225-230. ISBN 978-80-89740-21-5.

AFL03 SZEWCZAK, K. - ŁOŚ, H. - GLUBA, Łukasz - SZŁĄZAK, Radosław - ŁUKOWSKI, Mateusz - USOWICZ, Bogusław - VITKOVÁ, Justína. Comparison of potential evapotranspiration obtained from satellite. In *25. Posterový deň s medzinárodnou účasťou a Deň otvorených dverí na ÚH SAV - 25th International Poster Day and Institute of Hydrology Open Day : Zborník recenzovaných príspevkov - Proceedings of peer-reviewed contributions* [elektronický zdroj]. - Bratislava : Institute of Hydrology SAS, 2018, s. 1-1. ISBN 978 - 80 - 89139 - 42 - 2.

AFL04 ŠURDA, Peter - VITKOVÁ, Justína - BREZIANSKÁ, Katarína - LIČNER, Ľubomír - NAGY, Viliam. *Impact of infiltration disk radius on measured unsaturated hydraulic conductivity of sandy soil*

AFL05 ŠURDA, Peter - LIČNER, Ľubomír - KOLLÁR, J. - NAGY, Viliam. Quantification of moisture pattern, hydrophysical and water repellency parameters of sandy soil. In *26. Posterový deň s medzinárodnou účasťou a Deň otvorených dverí na ÚH SAV - Transport vody, chemikálií a energie v systéme pôda-rastlina-atmosféra : zborník recenzovaných príspevkov*. - Bratislava : Ústav hydrológie SAV, 2019, s. 1-1. ISBN 978-80-89139-44-6.

AFL06 VITKOVÁ, Justína - ZVALA, Anton - ŠURDA, Peter - RONČÁK, Peter - NAGY, Viliam. Differences in soil water retention characteristics after biochar amendment. In *24th International scientific conference ENVIRO 2019 : Kežmarské žľaby*. - Nitra : Slovak University of Agriculture in Nitra, 2019, s. 1-1. ISBN 978-80-552-2049-9.

AGI Reports on solved scientific and research tasks

AGI01 MÉSZÁROŠ, Ivan. *Monitorovanie pôdnej vlhkosti na lesných monitorovacích plochách v oblasti vplyvu Vodného diela Gabčíkovo v roku 2016 : správa za rok 2016*. Bratislava : Ústav hydrológie SAV, 2016. [31] s.

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AGI05 MÉSZÁROŠ, Ivan. *Pôdna vlhkosť lužného lesa : správa za rok 2016*. Bratislava : Ústav hydrológie SAV, 2017. 18 s.

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Bratislava : Ústav hydrológie SAV, 2018. 15 s.

BBB Chapters in professional books published in Slovak publishing houses

BBB01 BABOŠ, Pavol - BALOG, Miroslav - DOKUPILOVÁ, Dušana - FIFEKOVÁ, Elena - FILČÁK, Richard - CHODÁK, Ivan - IZAKOVIČOVÁ, Zita - JURIK, Ľuboš - LIESKOVSKÁ, Zuzana - LICHNER, Ivan - LUBY, Štefan - LUBYOVÁ, Martina - NEMCOVÁ, Edita - NEŽINSKÝ, Eduard - NOVÁK, Viliam - POLOVKA, Martin - POVAŽAN, Radoslav - SIEKEL, Peter - ŠPROCHA, Branislav - VAŇO, Boris. Globálne megatrendy a implikácie pre Slovenskú republiku = Global megatrends and its implications for Slovak Republic. In The Report on the State of the Environment of the Slovak Republic in 2015. In *Správa o stave životného prostredia Slovenskej republiky v roku 2015*. - Bratislava ; Banská Bystrica : Ministerstvo životného prostredia Slovenskej republiky : Slovenská agentúra životného prostredia, 2016, s. 218-233. ISBN 978-80-89503-60-5.

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BDF01 DANKO, Michal. Chladno, chladnejšie, sneh. In *Quark*, 2018, roč. XXIV, č. 3, s. 7-11. ISSN 1337-8422.

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BDF03 PEKÁROVÁ, Pavla. Dlhé suchá sme už na Slovensku zažili. Môžu sa zopakovať? In *SME Tech*, 2018, roč. 26, 14.5, s. 1-7. ISSN 1335-440X.

BDF04 PEKÁROVÁ, Pavla. Máme dosť vody? In *Quark*, 2018, roč. XXIV, č. 4, s. 30-31. ISSN 1337-8422.

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

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BEE02 BAČOVÁ MITKOVÁ, Veronika. Estimation of design discharges in terms of seasonality and length of time series. In *XXIX Conference of the Danubian Countries on Hydrological Forecasting and Hydrological Bases of Water Management : conference proceedings, Full papers* [elektronický zdroj]. - Brno : Czech Hydrometeorological Institute, 2021, p. 8-15. ISBN 978-80-7653-031-7. Názov z obrazovky. Požaduje sa Adobe Reader

- BEE03 BAČOVÁ MITKOVÁ, Veronika. The water level regime of the Danube River between Kienstock and Bratislava. In *Danube Conference 2017: Electronic book with full papers from XXVII C onference of the Danubian Countries on Hydrological Forecasting and Hydrological Bases of Water Management* [elektronický zdroj]. - Golden Sands : Bulgarian National Committee for the International Hydrological Programme of UNESCO, 2017, s. 532-539. ISBN 978-954-90537-2-2. Názov z obrazovky. Požaduje sa Adobe Reader
- BEE04 GOMBOŠ, Milan - PAŘILKOVÁ, Jana - MŮNSTEROVÁ, Z. - TALL, Andrej - KANDRA, Branislav. The effect of hydraulic conductivity by the tension infiltrometer on changes in electric impedance in diferent soil environment. Jana Pařilková, z. Münsterová, Andrej Tall, Branislav Kandra. In *EUREKA 2018 - 6th Colloquium and Working Session Within the frame of the International Program EUREKA*. - Brno : VUTIUM, 2018, p. 18-21. ISBN 978-80-214-5646-4. ISSN 2464-4595.
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BEE10 PEKÁROVÁ, Pavla - MIKLÁNEK, Pavol - BAČOVÁ MITKOVÁ, Veronika - GARAJ, Marcel - PEKÁR, Ján. Assessment harmonization problems of the long return period floods on the Danube river. In *XXVIII CONFERENCE OF THE DANUBIAN COUNTRIES ON HYDROLOGICAL FORECASTING AND HYDROLOGICAL BASES OF WATER MANAGEMENT : electronic book with full papers from XXVIII onference of the Danubian Countries on Hydrological Forecasting and Hydrological Bases of Water Management* [elektronický zdroj]. - Kyiv : Ukrainian Hydrometeorological Institute : Department of Hydrological Research, 2019, p. 140-152. ISBN 978-966-7067-38-0. Názov z obrazovky. Požaduje sa Adobe Reader

BEE11 PROHASKA, Stevan - ILIC, Aleksandra - PEKÁROVÁ, Pavla. Assessment of statistical significance of historic Danube floods. In *XXVIII CONFERENCE OF THE DANUBIAN COUNTRIES ON HYDROLOGICAL FORECASTING AND HYDROLOGICAL BASES OF WATER MANAGEMENT : electronic book with full papers from XXVIII onference of the Danubian Countries on Hydrological Forecasting and Hydrological Bases of Water Management* [elektronický zdroj]. - Kyiv : Ukrainian Hydrometeorological Institute : Department of Hydrological Research, 2019, p. 47-54. ISBN 978-966-7067-38-0. Názov z obrazovky. Požaduje sa Adobe Reader

BEE12 VITKOVÁ, Justína - ŠURDA, Peter. How affect the application of biochar the water regime of agricultural soil when a maize (*Zea mays* L.) is grown? In *Danube Conference 2017: Electronic book with full papers from XXVII C onference of the Danubian Countries on Hydrological Forecasting and Hydrological Bases of Water Management* [elektronický zdroj]. - Golden Sands : Bulgarian National Committee for the International Hydrological Programme of UNESCO, 2017, s. 60-67. ISBN 978-954-90537-2-2. Názov z obrazovky. Požaduje sa Adobe Reader

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BEF03 HANCVENCL, Rudolf - HOLKO, Ladislav. Laminátový snehomer DOLFI – vývoj a porovnanie s meraniami inými snehomermi [The glass fibre snow sampler

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- BEF04 HOLOŠ, Slavomír. Možnosti určenia výparu z hladiny vodnej nádrže Liptovská Mara [Possibilities of determining evaporation from the surface of the Liptovská Mara reservoir]. In *Zborník príspevkov : 32. konferencia mladých hydroológov*. - Bratislava : Slovenský hydrometeorologický ústav, 2020, s. 1-12. ISBN 978-80-99929-11-2.
- BEF05 KIMLIČKOVÁ, Tatiana. Návrh čistiarne odpadových vôd [Design of water treatment plant]. In *Zborník príspevkov : 29. konferencia mladých hydroológov [elektronický zdroj]*. - Bratislava : Slovenský hydrometeorologický ústav, 2017, s. 1-12. ISBN 978-80-88907-94-7. Názov z obrazovky. Požaduje sa Adobe Reader
- BEF06 MÉSZÁROS, Jakub - POLČÁK, Norbert. Rozloženie snehovej pokrývky v pohorí Vtáčnik po juhovýchodnom prúde [Distribution of snow cover in the Vtáčnik Mountains after southeastern flow]. In *XXIII. Stretnutie snehárov*. - Banská Bystrica : Slovenský hydrometeorologický ústav, Regionálne pracovisko Banská Bystrica, 2019, s. 43-48. ISBN 978-80-99929-01-3.
- BEF07 SIMAN, Cyril. Poľnohospodárstvo, významný zdroj znečistenia povrchových tokov [Agriculture, important source of surface streams pollution]. In *Zborník príspevkov : 29. konferencia mladých hydroológov [elektronický zdroj]*. - Bratislava : Slovenský hydrometeorologický ústav, 2017, s. 1-14. ISBN 978-80-88907-94-7. Názov z obrazovky. Požaduje sa Adobe Reader
- BEF08 SIMAN, Cyril. Use of the MONERIS model for identification of sources of surface streams pollution by total nitrogen. In *Zborník príspevkov : 32. konferencia mladých hydroológov*. - Bratislava : Slovenský hydrometeorologický ústav, 2020, s. 1-8. ISBN 978-80-99929-11-2.
- BEF09 SLEZIAK, Patrik - SZOLGAY, Ján - HLAVČOVÁ, Kamila - DANKO, Michal - PARAJKA, Juraj. Zahŕnutie snehu do multiobjektívnej kalibrácie hydrologického modelu [The inclusion of snow in a multi-objective calibration of a hydrological model]. In *XXIII. Stretnutie snehárov*. - Banská Bystrica : Slovenský hydrometeorologický ústav, Regionálne pracovisko Banská Bystrica, 2019, s. 78-81. ISBN 978-80-99929-01-3.
- BEF10 VARGA, Adrián**. Evaluation manifestations of climate change in the Slovak Republic using GIS. In *Zborník príspevkov : 32. konferencia mladých hydroológov*. - Bratislava : Slovenský hydrometeorologický ústav, 2020, s. 1-12. ISBN 978-80-99929-11-2.

EDJ Overview works, professional publications, translations of norms and standards and other professional translations published in journals and proceedings/collective publications

- EDJ01 HALLETT, P.D.** - STEENHUIS, Tammo S. - RITSEMA, C. - LICHNER, Ľubomír. Preface to the special issue on biohydrology dedicated to the memory of Dr. Louis W. Dekker. In *Journal of Hydrology and Hydromechanics*, 2020, vol. 68,

iss. 4, p. 303- 305. (2019: 2.011 - IF, Q3 - JCR, 0.674 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS, CCC). ISSN 1338-4333. Dostupné na: <https://doi.org/10.2478/johh-2020-0036>

EDJ02 LICHNER, Ľubomír** - HEGEDŮŠOVÁ VANTAROVÁ, Katarína - FARKAS, C. - TESAR, Miroslav - RAJKAI, Kálman. Fifteen years of publishing the papers on the impact of biological factors on hydrological processes in *Biologia*. In *Biologia*, 2020, vol. 75, iss. 6, p. 795–798. (2019: 0.811 - IF, Q4 - JCR, 0.265 - SJR, Q3 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 0006-3088. Dostupné na: <https://doi.org/10.2478/s11756-020-00512-z>

EDJ03 QUINN, Nevil - BLÖSCHL, G. - BÁRDOSSY, András - CASTELLARIN, Attilio - CLARK, Martin - CUDENNEC, Christophe - KOUTSOYIANNIS, Demetris - LALL, Upmanu - LICHNER, Ľubomír - PARAJKA, Juraj - PETERS-LIDARD, Christa D. - SANDER, G. - SAVENIJE, Hubert - SMETTEM, Keith - VEREECKEN, Harry - VIGLIONE, Alberto - WILLEMS, Patrick - WOOD, Andy - WOODS, Ross - XU, Chong-Yu - ZEHE, Erwin. Invigorating Hydrological Research Through Journal Publications. Nevil Quinn [et al.]. In *Water Resources Research*, 2020, vol. 56, iss. 6, art. no. WRCR23611. (2019: 4.309 - IF, Q1 - JCR, 1.799 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0043-1397. Dostupné na: <https://doi.org/10.1029/2018WR024053>

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

FAI01 25. *Posterový deň s medzinárodnou účasťou a Deň otvorených dverí na ÚH SAV - 25th International Poster Day and Institute of Hydrology Open Day : Zborník recenzovaných príspevkov - Proceedings of peer-reviewed contributions = Transport vody, chemikálií a energie v systéme pôda-rastlina-atmosféra - Transport of Water, Chemicals and Energy in the Soil-Plant-Atmosphere System* [elektronický zdroj]. Anežka Čelková editor. Bratislava : Institute of Hydrology SAS, 2018. 265 p. Názov z obrazovky. Požaduje sa dobe Reader. ISBN 978 - 80 - 89139 - 42 - 2

FAI02 *Hydrological Processes in the Soil–Plant–Atmosphere System - Book of peer-reviewed papers* [elektronický zdroj]. Editors: Lenka Botyanszká, Justína Vitková, Reviewers: Peter Šurda, Ladislav Holko. Bratislava : Institute of Hydrology, Slovak Academy of Sciences, 2021. 317 s. ISBN 978-80-89139-50-7

FAI03 *Aktuálne problémy zóny aerácie pôdy v podmienkach prebiehajúcej klimatickej zmeny*. Katarína Brezianská, Tomáš Orfánus, eds. Bratislava : Veda, vydavateľstvo Slovenskej akadémie vied, 2018. 335 s. ISBN 978-80-224-1690-0

FAI04 26. *Posterový deň s medzinárodnou účasťou a Deň otvorených dverí na ÚH SAV - Transport vody, chemikálií a energie v systéme pôda-rastlina-atmosféra : zborník recenzovaných príspevkov : proceedings of peer-reviewed contributions = 26th International Poster Day and Institute of Hydrology Open Day, Transport of Water, Chemicals and Energy in the Soil-Plant-Atmosphere System* [elektronický zdroj]. Editor Anežka Čelková. Bratislava : Ústav hydrológie SAV, 2019. 1 CD-ROM (296 s.). Názov z CD-ROM. Požaduje sa Adobe Reader. ISBN 978-80-89139-44-6

- FAI05 *XX. Okresné dni vody : Recenzovaný zborník referátov*. Editori Milan Gomboš, Dana Pavelková ; recenzenti Rastislav Mati, Dana Pavelková, Milan Gomboš, Dana Kotorová. Bratislava : ÚH SAV ; Michalovce : Výskumná hydrologická základňa ; Košice : Východoslovenská vodárenská spoločnosť a.s., 2016. 116 s. ISBN 978-80-89139-37-8
- FAI06 *Hydrologický výskum v podmienkach prebiehajúcej klimateckej zmeny*. Dana Halmová, Viera Kováčová, eds. Bratislava : Veda, 2018. 379 s. ISBN 978-80-224-1691-7
- FAI07 *24. Posterový deň s medzinárodnou účasťou a Deň otvorených dverí na ÚH SAV - 24th International Poster Day and Institute of Hydrology Open Day : zborník recenzovaných príspevkov - proceedings of peer-reviewed contributions = Transport vody, chemikálií a energie v systéme pôda-rastlina-atmosféra - Transport of Water, Chemicals and Energy in the Soil-Plant-Atmosphere System [elektronický zdroj]*. Editor: Anežka Čelková ; recenzenti: Veronika Bačová Mitková, Milan Gomboš, Ladislav Holko, Branislav Kandra, Radka Kodešová, Pavol Nejedlík, Tomáš Orfánus, Kálmán Rajkai, Jana Skalová, Peter Šurda, Andrej Tall. Bratislava : Ústav hydrológie Slovenskej akadémie vied, 2017. 1 CD-ROM (354 s.). Názov z obrazovky. Požaduje sa Adobe Reader. ISBN 978-80-89139-40-8
- FAI08 *Flood regime of rivers in the Danube River basin : The Danube and its Basin – Hydrological Monograph Follow-up Volume IX*. Pavla Pekárová, Pavol Miklánek Editors. 1st edition. Bratislava : Slovak Academy of Sciences, Institute of Hydrology, 2019. 215 p. Dostupné na internete: <<https://doi.org/10.31577/2019.9788089139460>>. ISBN 978-80-89139-45-3
- FAI09 *Transport of water, chemicals and energy in the soil – plant – atmosphere system in conditions of the climate variability : book of Abstracts and Posters from the 27th Poster day [elektronický zdroj]*. Pavla Pekárová, Justína Vitková, Pavol Miklánek (editors). Bratislava : Institute of Hydrology of the Slovak Academy of Sciences, 2020. 1 CD-ROM (91 s.). Názov z obrazovky. Požaduje sa Adobe Reader. ISBN 978-80-89139-48-4
- FAI10 *Water Dynamics Changes in the Soil–Plant–Atmosphere System : Book of peer-reviewed papers [elektronický zdroj]*. Pavla Pekárová [et al.]. Bratislava : Institute of Hydrology, Slovak Academy of Sciences, 2020. 1 CD-ROM (214 p.). Názov z obrazovky. Požaduje sa Adobe Reader. ISBN 978-80-89139-47-7
- FAI11 *Transport of water, chemicals and energy in the soil – plant –atmosphere system in conditions of the climate variability : book of Abstracts from the 28th POSTER DAY 2021 [elektronický zdroj]*. Editors: Peter Rončák, Lenka Botyanszká. Bratislava : Institute of Hydrology of the Slovak Academy of Sciences, 2021. 64 p. ISBN 978-80-89139-51-4
- FAI12 *XXI. Okresné dni vody : recenzovaný zborník referátov [21th District water days]*. Editori Milan Gomboš, Dana Pavelková ; recenzenti Dana Pavelková, Milan Gomboš, Dana Kotorová, Andrej Tall. Bratislava ; Michalovce ; Košice : ÚH SAV

: Výskumná hydrologická základňa : Východoslovenská vodárenská spoločnosť, a.s.
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