# Zoznam publikačnej činnosti 2019

Katedra matematiky a deskriptívnej geometrie, SvF STU v BA

**ACB Vysokoškolské učebnice vydané v domácich vydavateľstvách**

ACB01    KNOR, Martin - TOMEK, Lukáš. *Optimalizácia 2* [elektronický zdroj]. 1. vyd. Bratislava : Spektrum STU, 2019. CD-ROM, 113 s. Edícia vysokoškolských učebníc. ISBN 978-80-227-4918-3.

**ADC Vedecké práce v zahraničných karentovaných časopisoch**

ADC01    AGAHI, Hamzeh - MEHRI-DEHNAVI, Hossein - MESIAR, Radko. Monte Carlo integration for Choquet integral. In *International Journal of Intelligent Systems*. Vol. 34, iss. 6 (2019), s. 1348-1358. ISSN 0884-8173 (2019: 10.312 - IF, Q1 - JCR Best Q, 1.895 - SJR, Q1 - SJR Best Q). V databáze: CC: 000466508300013 ; SCOPUS: 2-s2.0-85063397097 ; DOI: 10.1002/int.22112.

ADC02    ASICI, Emel - MESIAR, Radko. Direct product of nullnorms on bounded lattices. In *Journal of Intelligent and Fuzzy Systems*. Vol. 36, No. 6 (2019), s. 5745-5756. ISSN 1064-1246 (2019: 1.851 - IF, Q3 - JCR Best Q, 0.357 - SJR, Q2 - SJR Best Q). V databáze: SCOPUS: 2-s2.0-85067593770 ; CC: 000471893900050 ; DOI: 10.3233/JIFS-181602.

ADC03    BACHRATÝ, Martin - ŠIAGIOVÁ, Jana - ŠIRÁŇ, Jozef. Asymptotically approaching the Moore bound for diameter three by Cayley graphs. In *Journal of Combinatorial Theory. Series B*. No. 134 (2019), s. 203-217. ISSN 0095-8956 (2019: 1.306 - IF, Q1 - JCR Best Q, 2.272 - SJR, Q1 - SJR Best Q). V databáze: CC: 000452250300009 ; SCOPUS: 2-s2.0-85048728569 ; DOI: 10.1016/j.jctb.2018.06.003.

ADC04    BORKOTOKEY, Surajit - HAZARIKA, Pankaj - MESIAR, Radko. Cooperative games with multiple attributes. In *International Journal of General Systems*. Vol. 48, Iss. 8 (2019), s. 825-842. ISSN 0308-1079 (2019: 1.671 - IF, Q2 - JCR Best Q, 0.564 - SJR, Q2 - SJR Best Q). V databáze: CC: 000485190500001 ; SCOPUS: 2-s2.0-85071718068 ; DOI: 10.1080/03081079.2019.1659792.

ADC05    CANDELORO, Domenico - MESIAR, Radko - SAMBUCINI, Anna Rita. A special class of fuzzy measures: Choquet integral and applications. In *Fuzzy Sets and Systems*. No. 355 (2019), s. 83-99. ISSN 0165-0114 (2019: 3.305 - IF, Q1 - JCR Best Q, 1.062 - SJR, Q1 - SJR Best Q). V databáze: CC: 000450287700006 ; SCOPUS: 2-s2.0-85045839939 ; DOI: 10.1016/j.fss.2018.04.008.

ADC06    CAYLI, Gül Deniz - KARACAL, Funda - MESIAR, Radko. On internal and locally internal uninorms on bounded lattices. In *International Journal of General Systems*. Vol. 48, no. 3 (2019), s. 235-259. ISSN 0308-1079 (2019: 1.671 - IF, Q2 - JCR Best Q, 0.564 - SJR, Q2 - SJR Best Q). V databáze: CC: 000457027600002 ; SCOPUS: 2-s2.0-85059328525 ; DOI: 10.1080/03081079.2018.1559162.

ADC07    DALFÓ, Cristina S. - FIOL, M. A. - MILLER, Mirka - RYAN, Joe - ŠIRÁŇ, Jozef. An algebraic approach to lifts of digraphs. In *Discrete Applied Mathematics*. No. 269 (2019), s. 68-76. ISSN 0166-218X (2019: 1.041 - IF, Q3 - JCR Best Q, 0.738 - SJR, Q2 - SJR Best Q). V databáze: CC: 000493216000010 ; SCOPUS: 2-s2.0-85057010815 ; DOI: 10.1016/j.dam.2018.10.040.

ADC08    D'AZEVEDO, Antonio Breda - CATALANO, Domenico A. - ŠIRÁŇ, Jozef. Bi-rotary Maps of Negative Prime Characteristic. In *Annals of Combinatorics*. Vol. 23, iss. 1 (2019), s. 27-50. ISSN 0218-0006 (2019: 0.507 - IF, Q4 - JCR Best Q, 0.608 - SJR, Q2 - SJR Best Q). V databáze: CC: 000460682200002 ; SCOPUS: 2-s2.0-85061722643 ; DOI: 10.1007/s00026-019-00421-2.

ADC09    DE HIERRO, Antonio Francisco Roldán López - SESMA-SARA, Mikel - ŠPIRKOVÁ, Jana - LAFUENTE, Julio - PRADERA, Ana - MESIAR, Radko - BUSTINCE, Humberto. Curve-based monotonicity: a generalization of directional monotonicity. In *International Journal of General Systems*. Vol. 48, no. 5 (2019), s. 523-553. ISSN 0308-1079 (2019: 1.671 - IF, Q2 - JCR Best Q, 0.564 - SJR, Q2 - SJR Best Q). V databáze: CC: 000471927400005 ; SCOPUS: 2-s2.0-85062535810 ; DOI: 10.1080/03081079.2019.1586684.

ADC10    DRONIOU, Jérôme - MEDĽA, Matej - MIKULA, Karol. Design and analysis of finite volume methods for elliptic equations with oblique derivatives; application to Earth gravity field modelling. In *Journal of Computational Physics*. Č. 398 (2019), [28] s., art. no. 108876. ISSN 0021-9991 (2019: 2.985 - IF, Q1 - JCR Best Q, 1.936 - SJR, Q1 - SJR Best Q). V databáze: CC: 000488000100004 ; SCOPUS: 2-s2.0-85071942966 ; DOI: 10.1016/j.jcp.2019.108876.

ADC11    EXOO, Geoffrey - JAJCAY, Robert - MAČAJ, Martin - ŠIRÁŇ, Jozef. On the defect of vertex-transitive graphs of given degree and diameter. In *Journal of Combinatorial Theory. Series B*. No. 134 (2019), s. 322-340. ISSN 0095-8956 (2019: 1.306 - IF, Q1 - JCR Best Q, 2.272 - SJR, Q1 - SJR Best Q). V databáze: CC: 000452250300015 ; SCOPUS: 2-s2.0-85049893098 ; DOI: 10.1016/j.jctb.2018.07.002.

ADC12    FRASER, Jay - JEANS, Olivia - ŠIRÁŇ, Jozef. Regular self-dual and self-Petrie-dual maps of arbitrary valency. In *Ars Mathematica Contemporanea*. Vol. 16, no. 2 (2019), s. 403-410. ISSN 1855-3966 (2019: 0.642 - IF, Q3 - JCR Best Q, 0.666 - SJR, Q2 - SJR Best Q). V databáze: CC: 000463438900008 ; SCOPUS: 2-s2.0-85061156142 ; DOI: 10.26493/1855-3974.1749.84e.

ADC13    HAHN, Jooyoung - MIKULA, Karol - FROLKOVIČ, Peter - MEDĽA, Matej - BASARA, Branislav. Iterative inflow-implicit outflow-explicit finite volume scheme for level-set equations on polyhedron meshes. In *Computers and   Mathematics with Applications*. Vol. 77, Iss. 6 (2019), s. 1639-1654. V databáze: CC: 000462110600016 ; SCOPUS: 2-s2.0-85049485108 ; DOI: 10.1016/j.camwa.2018.06.033.

ADC14    HALAŠ, Radomír - MESIAR, Radko - PÓCS, Jozef - TORRA, Vicenc. A note on some algebraic properties of discrete Sugeno integrals. In *Fuzzy Sets and Systems*. No. 355 (2019), s. 110-120. ISSN 0165-0114 (2019: 3.305 - IF, Q1 - JCR Best Q, 1.062 - SJR, Q1 - SJR Best Q). V databáze: CC: 000450287700009 ; SCOPUS: 2-s2.0-85041636724 ; DOI: 10.1016/j.fss.2018.01.009.

ADC15    HALAŠ, Radomír - MESIAR, Radko - PÓCS, Jozef. On generating sets of the clone of aggregation functions on finite lattices. In *Information Sciences*. No. 476 (2019), s. 38-47. ISSN 0020-0255 (2019: 5.910 - IF, Q1 - JCR Best Q, 1.723 - SJR, Q1 - SJR Best Q). V databáze: CC: 000452342700003 ; SCOPUS: 2-s2.0-85054561164 ; DOI: 10.1016/j.ins.2018.09.070.

ADC16    HALAŠ, Radomír - MESIAR, Radko - PÓCS, Jozef. On generation of aggregation functions on infinite lattices. In *Soft Computing*. Vol. 23, Iss. 16 (2019), s. 7279-7286. ISSN 1432-7643 (2019: 3.050 - IF, Q2 - JCR Best Q, 0.705 - SJR, Q2 - SJR Best Q). V databáze: CC: 000473643800038 ; SCOPUS: 2-s2.0-85049572360 ; DOI: 10.1007/s00500-018-3375-7.

ADC17    HALVONÍK, Jaroslav - KALICKÁ, Jana - MAJTÁNOVÁ, Lucia - MINÁROVÁ, Mária. Reliability of models aimed at evaluating the punching resistance of flat slabs without transverse reinforcement. In *Engineering Structures*. No. 188 (2019), s. 627-636. ISSN 0141-0296 (2019: 3.548 - IF, Q1 - JCR Best Q, 1.595 - SJR, Q1 - SJR Best Q). V databáze: CC: 000465058200048 ; SCOPUS: 2-s2.0-85063228843 ; DOI: 10.1016/j.engstruct.2019.03.055.

ADC18    HRIŇÁKOVÁ, Katarína - KNOR, Martin - ŠKREKOVSKI, Riste. An inequality between variable Wiener index and variable Szeged index. In *Applied Mathematics and Computation*. No. 362 (2019), [6] s., art. no. 124557. ISSN 0096-3003 (2019: 3.472 - IF, Q1 - JCR Best Q, 0.969 - SJR, Q1 - SJR Best Q). V databáze: CC: 000479157100056 ; SCOPUS: 2-s2.0-85068921639 ; DOI: 10.1016/j.amc.2019.124557.

ADC19    JIN, LeSheng - MESIAR, Radko - YAGER, Ronald R. - QIN, JinDong. Dynamic weights allocation according to uncertain evaluation information. In *International Journal of General Systems*. Vol. 48, no. 1 (2019), s. 33-47. ISSN 0308-1079 (2019: 1.671 - IF, Q2 - JCR Best Q, 0.564 - SJR, Q2 - SJR Best Q). V databáze: CC: 000451834000002 ; SCOPUS: 2-s2.0-85057341873 ; DOI: 10.1080/03081079.2018.1543667.

ADC20    JIN, LeSheng - KALINA, Martin - MESIAR, Radko - BORKOTOKEY, Surajit. Characterizations of the possibility-probability transformations and some applications. In *Information Sciences*. No. 477 (2019), s. 281-290. ISSN 0020-0255 (2019: 5.910 - IF, Q1 - JCR Best Q, 1.723 - SJR, Q1 - SJR Best Q). V databáze: CC: 000456763600019 ; SCOPUS: 2-s2.0-85055707585 ; DOI: 10.1016/j.ins.2018.10.060.

ADC21    JIN, LeSheng - MESIAR, Radko - YAGER, Ronald R. Ordered Weighted Averaging Aggregation on Convex Poset. In *IEEE Transactions on fuzzy systems*. Vol. 27, no. 3 (2019), s. 612-617. ISSN 1063-6706 (2019: 9.518 - IF, Q1 - JCR Best Q, 3.134 - SJR, Q1 - SJR Best Q). V databáze: CC: 000460432200018 ; SCOPUS: 2-s2.0-85062857560 ; DOI: 10.1109/TFUZZ.2019.2893371.

ADC22    JIN, LeSheng - MESIAR, Radko - YAGER, Ronald R. Melting Probability Measure With OWA Operator to Generate Fuzzy Measure: The Crescent Method. In *IEEE Transactions on fuzzy systems*. Vol. 27, no. 6 (2019), s. 1309-1316. ISSN 1063-6706 (2019: 9.518 - IF, Q1 - JCR Best Q, 3.134 - SJR, Q1 - SJR Best Q). V databáze: CC: 000470837100015 ; SCOPUS: 2-s2.0-85055677279 ; DOI: 10.1109/TFUZZ.2018.2877605.

ADC23    JIN, LeSheng - MESIAR, Radko - KALINA, Martin - ŠPIRKOVÁ, Jana - BORKOTOKEY, Surajit. Generalized phi-transformations of aggregation functions. In *Fuzzy Sets and Systems*. No. 372 (2019), s. 124-141. ISSN 0165-0114 (2019: 3.305 - IF, Q1 - JCR Best Q, 1.062 - SJR, Q1 - SJR Best Q). V databáze: CC: 000471235100008 ; SCOPUS: 2-s2.0-85054134681 ; DOI: 10.1016/j.fss.2018.09.016.

ADC24    JIN, LeSheng - MESIAR, Radko - YAGER, Ronald R. On Scatters of Probability Distributions and OWA Weights Collections. In *International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems*. Vol. 27, No. 5 (2019), s. 773-788. ISSN 0218-4885 (2019: 1.375 - IF, Q4 - JCR Best Q, 0.338 - SJR, Q2 - SJR Best Q). V databáze: CC: 000489071100004 ; SCOPUS: 2-s2.0-85073096663 ; DOI: 10.1142/S021848851950034X.

ADC25    KNOR, Martin - ŠKREKOVSKI, Riste. On the minimum distance in a k-vertex set in a graph. In *Applied Mathematics and Computation*. No. 356 (2019), s. 99-104. ISSN 0096-3003 (2019: 3.472 - IF, Q1 - JCR Best Q, 0.969 - SJR, Q1 - SJR Best Q). V databáze: CC: 000464931100007 ; SCOPUS: 2-s2.0-85063505256 ; DOI: 10.1016/j.amc.2019.03.050.

ADC26    KNOR, Martin - ŠKREKOVSKI, Riste - TEPEH, Aleksandra. Trees with the maximal value of Graovac-Pisanski index. In *Applied Mathematics and Computation*. No. 358 (2019), s. 287-292. ISSN 0096-3003 (2019: 3.472 - IF, Q1 - JCR Best Q, 0.969 - SJR, Q1 - SJR Best Q). V databáze: CC: 000467907700025 ; SCOPUS: 2-s2.0-85064946901 ; DOI: 10.1016/j.amc.2019.04.034.

ADC27    KNOR, Martin - KOMORNÍK, Jozef - ŠKREKOVSKI, Riste - TEPEH, Aleksandra. Unicyclic graphs with the maximal value of Graovac-Pisanski index. In *Ars Mathematica Contemporanea*. Vol. 17, No. 2 (2019), s. 455-466. ISSN 1855-3966 (2019: 0.642 - IF, Q3 - JCR Best Q, 0.666 - SJR, Q2 - SJR Best Q). V databáze: CC: 000496417700007 ; SCOPUS: 2-s2.0-85076249305 ; DOI: 10.26493/1855-3974.1925.57a.

ADC28    KOLESÁROVÁ, Anna - MASSANET, Sebastia - MESIAR, Radko - RIERA, Juan Vicente - TORRENS, Joan. Polynomial constructions of fuzzy implication functions: The quadratic case. In *Information Sciences*. No. 494 (2019), s. 60-79. ISSN 0020-0255 (2019: 5.910 - IF, Q1 - JCR Best Q, 1.723 - SJR, Q1 - SJR Best Q). V databáze: CC: 000470951800004 ; SCOPUS: 2-s2.0-85064944240 ; DOI: 10.1016/j.ins.2019.04.040.

ADC29    KOLESÁROVÁ, Anna - KOUCHAKINEJAD, Fateme - MESIAR, Radko. Additive Aggregation Functions: Generalizations and Modifications of Additivity. In *International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems*. Vol. 27, suppl. 1 (2019), s. 39-58. ISSN 0218-4885 (2019: 1.375 - IF, Q4 - JCR Best Q, 0.338 - SJR, Q2 - SJR Best Q). V databáze: DOI: 10.1142/S0218488519400026 ; SCOPUS: 2-s2.0-85074648859 ; CC: 000495443400003.

ADC30    LÓPEZ, Nacho - PÉREZ-ROSÉS, Hebert - PUJOLÁS, Jordi - ŽDÍMALOVÁ, Mária. Construction of extremal mixed graphs of diameter two. In *Discrete Applied Mathematics*. No. 263 (2019), s. 204-211. ISSN 0166-218X (2019: 1.041 - IF, Q3 - JCR Best Q, 0.738 - SJR, Q2 - SJR Best Q). V databáze: CC: 000472689500023 ; SCOPUS: 2-s2.0-85052754879 ; DOI: 10.1016/j.dam.2018.07.012.

ADC31    MEHRI-DEHNAVI, Hossein - AGAHI, Hamzeh - MESIAR, Radko. Pseudo-exponential distribution and its statistical applications in econophysics. In *Soft Computing*. Vol. 23, no. 1 (2019), s. 357-363. ISSN 1432-7643 (2019: 3.050 - IF, Q2 - JCR Best Q, 0.705 - SJR, Q2 - SJR Best Q). V databáze: CC: 000455518200024 ; SCOPUS: 2-s2.0-85057061156 ; DOI: 10.1007/s00500-018-3623-x.

ADC32    MESIAR, Radko - STUPŇANOVÁ, Andrea. A note on CC-integral. In *Fuzzy Sets and Systems*. No. 355 (2019), s. 106-109. ISSN 0165-0114 (2019: 3.305 - IF, Q1 - JCR Best Q, 1.062 - SJR, Q1 - SJR Best Q). V databáze: SCOPUS: 2-s2.0-85043519380 ; DOI: 10.1016/j.fss.2018.03.006 ; CC: 000450287700008.

ADC33    MESIAR, Radko - KOLESÁROVÁ, Anna - GÓMEZ, Daniel - MONTERO, Javier. Set-based extended aggregation functions. In *International Journal of Intelligent Systems*. Vol. 34, iss. 9 (2019), s. 2039-2054. ISSN 0884-8173 (2019: 10.312 - IF, Q1 - JCR Best Q, 1.895 - SJR, Q1 - SJR Best Q). V databáze: DOI: 10.1002/int.22128 ; CC: 000478742400003 ; SCOPUS: 2-s2.0-85070187437.

ADC34    MESIAR, Radko - SHEIKHI, Ayyub - KOMORNÍKOVÁ, Magda. Random noise and perturbation of copulas. In *Kybernetika*. Vol. 55, No. 2 (2019), s. 422-434. ISSN 0023-5954 (2019: 0.664 - IF, Q4 - JCR Best Q, 0.241 - SJR, Q3 - SJR Best Q). V databáze: CC: 000487283100012 ; SCOPUS: 2-s2.0-85072120827 ; DOI: 10.14736/kyb-2019-2-0422.

ADC35    MIHAILOVIĆ, Biljana - KALINA, Martin - ŠTRBOJA, Mirjana. On the generalized k-order additivity for absolutely monotone set functions. In *Soft Computing*. Vol. 23, Iss. 15 (2019), s. 6043-6050. ISSN 1432-7643 (2019: 3.050 - IF, Q2 - JCR Best Q, 0.705 - SJR, Q2 - SJR Best Q). V databáze: CC: 000473642200007 ; DOI: 10.1007/s00500-018-3605-z ; SCOPUS: 2-s2.0-85055967321.

ADC36    MIKULOVÁ, Katarína - JAROLÍMEK, Ivan - BACIGÁL, Tomáš - HEGEDÜSOVÁ, Katarína - MÁJEKOVÁ, Jana - MEDVECKÁ, Jana - SLABEJOVÁ, Denisa - ŠIBÍK, Jozef - ŠKODOVÁ, Iveta - ZALIBEROVÁ, Mária - ŠIBÍKOVÁ, Mária. The Effect of Non-Native Black Pine (Pinus nigra J. F. Arnold) Plantations on Environmental Conditions and Undergrowth Diversity. In *Forests*. Vol. 10, iss. 7 (2019), [16] s., art. no. 548. ISSN 1999-4907 (2019: 2.221 - IF, Q1 - JCR Best Q, 0.652 - SJR, Q1 - SJR Best Q). V databáze: CC: 000482080800079 ; SCOPUS: 2-s2.0-85068538852 ; DOI: 10.3390/f10070548.

ADC37    OUYANG, Yao - LI, Jun - MESIAR, Radko. A sufficient condition of equivalence of the Choquet and the pan-integral. In *Fuzzy Sets and Systems*. No. 355 (2019), s. 100-105. ISSN 0165-0114 (2019: 3.305 - IF, Q1 - JCR Best Q, 1.062 - SJR, Q1 - SJR Best Q). V databáze: CC: 000450287700007 ; SCOPUS: 2-s2.0-85044862583 ; DOI: 10.1016/j.fss.2018.03.016.

ADC38    PU, XingTing - JIN, LeSheng - MESIAR, Radko - YAGER, Ronald R. Continuous parameterized families of RIM quantifiers and quasi-preference with some properties. In *Information Sciences*. No. 481 (2019), s. 24-32. ISSN 0020-0255 (2019: 5.910 - IF, Q1 - JCR Best Q, 1.723 - SJR, Q1 - SJR Best Q). V databáze: CC: 000459846300002 ; SCOPUS: 2-s2.0-85059230386 ; DOI: 10.1016/j.ins.2018.12.068.

ADC39    RAY, Nadja - OBERLANDER, Jens - FROLKOVIČ, Peter. Numerical investigation of a fully coupled micro-macro model for mineral dissolution and precipitation. In *Computational Geosciences*. Vol. 23, no. 5 (2019), s. 1173-1192. ISSN 1420-0597 (2019: 1.807 - IF, Q3 - JCR Best Q, 0.823 - SJR, Q1 - SJR Best Q). V databáze: CC: 000500991300018 ; SCOPUS: 2-s2.0-85071478225 ; DOI: 10.1007/s10596-019-09876-x.

ADC40    REMEŠÍKOVÁ, Mariana - ŠAGÁT, Marián - NOVYSEDLÁK, Peter. Discrete Lagrangian algorithm for finding geodesics on triangular meshes. In *Applied Mathematical Modelling*. Vol. 76, (2019), s. 396-427. ISSN 0307-904X (2019: 3.633 - IF, Q1 - JCR Best Q, 0.957 - SJR, Q1 - SJR Best Q). V databáze: CC: 000487564600022 ; SCOPUS: 2-s2.0-85068034077 ; DOI: 10.1016/j.apm.2019.06.013v.

ADC41    SANTOS, Helida - COUSO, Ines - BEDREGAL, Benjamin - TAKÁČ, Zdenko - MINÁROVÁ, Mária - ASIAIN, Alfredo - BARRENECHEA, Edurne - BUSTINCE, Humberto. Similarity measures, penalty functions, and fuzzy entropy from new fuzzy subsethood measures. In *International Journal of Intelligent Systems*. Vol. 34, iss. 6 (2019), s. 1281-1302. ISSN 0884-8173 (2019: 10.312 - IF, Q1 - JCR Best Q, 1.895 - SJR, Q1 - SJR Best Q). V databáze: DOI: 10.1002/int.22096 ; CC: 000466508300010 ; SCOPUS: 2-s2.0-85060921940.

ADC42    SESMA-SARA, Mikel - LAFUENTE, Julio - ROLDÁN, Antonio - MESIAR, Radko - BUSTINCE, Humberto. Strengthened ordered direcionally monotone functions. Links between the different notions of monotonicity. In *Fuzzy Sets and Systems*. No. 357 (2019), s. 151-172. ISSN 0165-0114 (2019: 3.305 - IF, Q1 - JCR Best Q, 1.062 - SJR, Q1 - SJR Best Q). V databáze: CC: 000457560900008 ; SCOPUS: 2-s2.0-85050662402 ; DOI: 10.1016/j.fss.2018.07.007.

ADC43    SESMA-SARA, Mikel - DE MIGUEL, Laura - DE HIERRO, Antonio Francisco Roldán López - LAFUENTE, Julio - MESIAR, Radko - BUSTINCE, Humberto. Pointwise directional increasingness and geometric interpretation of directionally monotone functions. In *Information Sciences*. Vol. 501, (2019), s. 236-247. ISSN 0020-0255 (2019: 5.910 - IF, Q1 - JCR Best Q, 1.723 - SJR, Q1 - SJR Best Q). V databáze: SCOPUS: 2-s2.0-85067045005 ; CC: 000480663900015 ; DOI: 10.1016/j.ins.2019.06.002.

ADC44    SLABEJOVÁ, Denisa - BACIGÁL, Tomáš - HEGEDÜSOVÁ, Katarína - MÁJEKOVÁ, Jana - MEDVECKÁ, Jana - MIKULOVÁ, Katarína - PETRÁŠOVÁ-ŠIBÍKOVÁ, Mária - ŠKODOVÁ, Iveta - ZALIBEROVÁ, Mária - JAROLÍMEK, Ivan. Comparison of the understory vegetation of native forests and adjacent Robinia pseudoacacia plantations in the Carpathian-Pannonian region. In *Forest Ecology and Management*. Vol. 439, (2019), s. 28-40. ISSN 0378-1127 (2019: 3.170 - IF, Q1 - JCR Best Q, 1.249 - SJR, Q1 - SJR Best Q). V databáze: CC: 000463129400004 ; SCOPUS: 2-s2.0-85062215029 ; DOI: 10.1016/j.foreco.2019.02.039.

ADC45    TOMEK, Lukáš - MIKULA, Karol. Discrete duality finite volume method with tangential redistribution of points for surfaces evolving by mean curvature. In *ESAIM: Mathematical Modelling and Numerical Analysis (ESAIM: M2AN)*. Vol. 53, no. 6 (2019), s. 1797-1840. ISSN 0764-583X (2019: 1.353 - IF, Q2 - JCR Best Q, 1.630 - SJR, Q1 - SJR Best Q). V databáze: SCOPUS: 2-s2.0-85074451067 ; DOI: 10.1051/m2an/2019040 ; CC: 000505792100001.

ADC46    WANG, Zhen - JIN, LeSheng - YAGER, Ronald R. - MESIAR, Radko - KALINA, Martin - ŠPIRKOVÁ, Jana - BORKOTOKEY, Surajit. Ordered Weighted Sum in infinite sequences environment with applications. In *Journal of Intelligent and Fuzzy Systems*. Vol. 36, no. 3 (2019), s. 2787-2792. ISSN 1064-1246 (2019: 1.851 - IF, Q3 - JCR Best Q, 0.357 - SJR, Q2 - SJR Best Q). V databáze: CC: 000462724300078 ; SCOPUS: 2-s2.0-85063432973 ; DOI: 10.3233/JIFS-181291.

ADC47    ZHU, Cheng - MESIAR, Radko - YAGER, Ronald R. - MERIGO, Jose - QIN, JinDong - FENG, Xiangqian - JIN, Lesheng. Two-layer preference models with methodologies using induced aggregation in management administration and decision making. In *Journal of Intelligent and Fuzzy Systems*. Vol. 37, No. 1 (2019), s. 1213-1221. ISSN 1064-1246 (2019: 1.851 - IF, Q3 - JCR Best Q, 0.357 - SJR, Q2 - SJR Best Q). V databáze: DOI: 10.3233/JIFS-182671 ; SCOPUS: 2-s2.0-85069512133 ; CC: 000474715000102.

ADC48    ZHU, Cheng - JIN, Lesheng - MESIAR, Radko - YAGER, Ronald R. - PATERNAIN, Daniel - BUSTINCE, Humberto. Nested formulation paradigms for induced ordered weighted averaging aggregation for decision-making and evaluation. In *International Journal of Intelligent Systems*. Vol. 34, no. 11 (2019), s. 3046-3057. ISSN 0884-8173 (2019: 10.312 - IF, Q1 - JCR Best Q, 1.895 - SJR, Q1 - SJR Best Q). V databáze: CC: 000491408200012 ; SCOPUS: 2-s2.0-85071567089 ; DOI: 10.1002/int.22186.

ADC49    ŽDÍMALOVÁ, Mária - MAJOR, Ján - KOPÁNI, Martin. Graph cutting and its application to biological data. In *Open Physics [elektronický zdroj]*. Vol. 17, iss. 1 (2019), online, s. 468-479. ISSN 2391-5471 (2019: 0.963 - IF, Q4 - JCR Best Q, 0.276 - SJR, Q3 - SJR Best Q). V databáze: CC: 000489174000001 ; SCOPUS: 2-s2.0-85073869760 ; DOI: 10.1515/phys-2019-0048.

**ADE Vedecké práce v ostatných zahraničných časopisoch**
ADE01    KALINA, Martin. Some remarks on n-uninorms in IF-sets. In *Notes on Intuitionistic Fuzzy Sets*. Vol. 25, no. 4 (2019), s. 21-29. ISSN 1310-4926. V databáze: DOI: 10.7546/nifs.2019.25.4.21-29.

ADE02    ŠELIGA, Adam - ŠIPOŠOVÁ, Alexandra - ŠIRÁŇ, Jozef. Lifting continuity properties of aggregation functions to their super- and sub-additive transformations. In *Journal of Mahani Mathematical Research Center*. Vol. 8, iss. 2 (2019), s. 37-51. ISSN 2251-7952. V databáze: DOI: 0.22103/JMMRC.2019.2451.

**ADF Vedecké práce v ostatných domácich časopisoch**

ADF01    ĎURIGOVÁ, Mária [Haburajová, Mária] - HLAVČOVÁ, Kamila - KOMORNÍKOVÁ, Magda - KALICKÁ, Jana - BALLOVÁ, Dominika - BACIGÁL, Tomáš. Analýza zmien priemerných mesačných prietokov na Slovensku v posledných desaťročiach. In *Acta hydrologica Slovaca [elektronický zdroj]*. Roč. 20, č. 1 (2019), online, s. 10-21. ISSN 2644-4690. V databáze: DOI: 10.31577/ahs-2019-0020.01.0002.

ADF02    VAJSÁBLOVÁ, Margita. Geometrická a matematická analýza mapy Bohemiae Rosa, Blaeuových historických máp zo 17. storočia a Augustovo zobrazenie. In *G - Slovenský časopis pre geometriu a grafiku*. Roč. 16, č. 31 (2019), s. 19-38. ISSN 1336-524X.

**ADM Vedecké práce v zahraničných časopisoch registrovaných v databázach Web of Science alebo SCOPUS**

ADM01    AMBROZ, Martin - BALAŽOVJECH, Martin - MEDĽA, Matej - MIKULA, Karol. Numerical modeling of wildland surface fire propagation by evolving surface curves. In *Advances in Computational Mathematics*. Vol. 45, no. 2 (2019), s. 1067-1103. ISSN 1019-7168 (2019: 1.748 - IF, Q1 - JCR Best Q, 1.038 - SJR, Q1 - SJR Best Q). V databáze: WOS: 000463858000021 ; SCOPUS: 2-s2.0-85057302987 ; DOI: 10.1007/s10444-018-9650-4.

ADM02    BACIGÁL, Tomáš - KOMORNÍKOVÁ, Magda - KOMORNÍK, Jozef. State-of-the-art in modeling nonlinear dependence among many random variables with copulas and application to financial indexes. In *Journal of Automation, Mobile Robotics & Intelligent Systems*. Vol. 13, No. 3 (2019), s. 84-91. ISSN 1897-8649 (2019: 0.169 - SJR, Q4 - SJR Best Q). V databáze: SCOPUS: 2-s2.0-85078941489 ; DOI: 10.14313/JAMRIS/3-2019/31.

ADM03    BALLOVÁ, Dominika. Global and local trend analysis and change-point analysis of selected financial and market indices. In *Journal of Automation, Mobile Robotics & Intelligent Systems*. Vol. 13, No. 3 (2019), s. 56-63. ISSN 1897-8649 (2019: 0.169 - SJR, Q4 - SJR Best Q). V databáze: SCOPUS: 2-s2.0-85078274061 ; DOI: 10.14313/JAMRIS/3-2019/28.

ADM04    JAJCAY, Robert - LI, Cai Heng - ŠIRÁŇ, Jozef - WANG, Yan. Regular and orientably-regular maps with quasiprimitive automorphism groups on vertices. In *Geometriae Dedicata*. No. 203 (2019), s. 389-418. ISSN 0046-5755 (2019: 0.584 - IF, Q3 - JCR Best Q, 0.734 - SJR, Q2 - SJR Best Q). V databáze: SCOPUS: 2-s2.0-85063203253 ; DOI: 10.1007/s10711-019-00440-6.

ADM05    KALICKÁ, Jana - MINÁROVÁ, Mária - HALVONÍK, Jaroslav - MAJTÁNOVÁ, Lucia. Statistical analysis of models for punching resistance ensuring. In *Journal of Automation, Mobile Robotics & Intelligent Systems*. Vol. 13, No. 3 (2019), s. 49-55. ISSN 1897-8649 (2019: 0.169 - SJR, Q4 - SJR Best Q). V databáze: SCOPUS: 2-s2.0-85078926388 ; DOI: 10.14313/JAMRIS/3-2019/27.

ADM06    KNOR, Martin - ŠKREKOVSKI, Riste - TEPEH, Aleksandra. Chemical Graphs with the Minimum Value of Wiener Index. In *MATCH*. Vol. 81, no. 1 (2019), s. 119-132. ISSN 0340-6253 (2019: 1.949 - IF, Q2 - JCR Best Q, 0.824 - SJR, Q1 - SJR Best Q). V databáze: SCOPUS: 2-s2.0-85062923212.

ADM07    NÁNÁSIOVÁ, Oľga - VALÁŠKOVÁ, Ľubica - ČERŇANOVÁ, Viera. Probability measures and logical connectives on quantum logics. In *Journal of Automation, Mobile Robotics & Intelligent Systems*. Vol. 13, No. 3 (2019), s. 64-73. ISSN 1897-8649 (2019: 0.169 - SJR, Q4 - SJR Best Q). V databáze: SCOPUS: 2-s2.0-85078881819 ; DOI: 10.14313/JAMRIS/3-2019/29.

ADM08    PAVLÍKOVÁ, Soňa - ŠIRÁŇ, Jozef. Inverting non-invertible weighted trees. In *Australasian journal of combinatorics [elektronický zdroj]*. Vol. 75, iss. 2 (2019), online, s. 246-255. ISSN 2202-3518 (2019: 0.472 - SJR, Q3 - SJR Best Q). V databáze: SCOPUS: 2-s2.0-85073408826.

ADM09    ŠELIGA, Adam. Decomposition integral without alternatives, its equivalence to Lebesgue integral, and computational algorithms. In *Journal of Automation, Mobile Robotics & Intelligent Systems*. Vol. 13, No. 3 (2019), s. 41-48. ISSN 1897-8649 (2019: 0.169 - SJR, Q4 - SJR Best Q). V databáze: SCOPUS: 2-s2.0-85081208630 ; DOI: 10.14313/JAMRIS/3-2019/26.

**ADN Vedecké práce v domácich časopisoch registrovaných v databázach Web of Science alebo SCOPUS**

ADN01    BIELEK, Boris - KLEM, Josip - MACÁK, Marek. Physical Cavity of a double skin facade as a source of pre-heated air in the winter season for the heat recovery unit of a facade. In *Slovak Journal of Civil Engineering*. Vol. 27, no. 4 (2019), s. 7-10. ISSN 1210-3896. V databáze: WOS: 000506222900002 ; DOI: 10.2478/sjce-2019-0025.

ADN02    DALFÓ, Cristina S. - FIOL, M. A. - PAVLÍKOVÁ, Soňa - ŠIRÁŇ, Jozef. Spectra and eigenspaces of arbitrary lifts of graphs. In *Acta Mathematica Universitatis Comenianae*. Vol. 88, no. 3 (2019), s. 593-600. ISSN 0862-9544 (2019: 0.335 - SJR, Q3 - SJR Best Q). V databáze: WOS: 000484349000038 ; SCOPUS: 2-s2.0-85073771384.

ADN03    ĎURIGOVÁ, Mária [Haburajová, Mária] - BALLOVÁ, Dominika - HLAVČOVÁ, Kamila. Analyses of Monthly Discharges in Slovakia Using Hydrological Exploratory Methods and Statistical Methods. In *Slovak Journal of Civil Engineering*. Vol. 27, no. 2 (2019), s. 36-43. ISSN 1210-3896. V databáze: DOI: 10.2478/sjce-2019-0014 ; WOS: 000473656900006.

ADN04    JENČA, Gejza. Two monads on the category of graphs. In *Mathematica Slovaca*. Vol. 69, no. 2 (2019), s. 257-266. ISSN 0139-9918 (2019: 0.654 - IF, Q3 - JCR Best Q, 0.397 - SJR, Q3 - SJR Best Q). V databáze: WOS: 000461957000003 ; SCOPUS: 2-s2.0-85063431890 ; DOI: 10.1515/ms-2017-0220.

ADN05    KNOR, Martin - ŠKREKOVSKI, Riste - TEPEH, Aleksandra. On the Graovac-Pisanski index of a graph. In *Acta Mathematica Universitatis Comenianae*. Vol. 88, no. 3 (2019), s. 867-870. ISSN 0862-9544 (2019: 0.335 - SJR, Q3 - SJR Best Q). V databáze: WOS: 000484349000079 ; SCOPUS: 2-s2.0-85073775015.

ADN06    ŽDÍMALOVÁ, Mária - MARUŠČÁKOVÁ, Lenka - BUCOVÁ, Mária - SOVA, Ondrej - KOPÁNI, Martin. Analyses of tumor cells by mathematical models. In *Bratislava Medical Journal*. Vol. 74, no. 9 (2019), s. 650-657. ISSN 0006-9248 (2019: 1.200 - IF, Q3 - JCR Best Q, 0.340 - SJR, Q3 - SJR Best Q). V databáze: WOS: 000483462400009 ; SCOPUS: 2-s2.0-85071771820 ; DOI: 10.4149/BLL_2019_108.

**AEC Vedecké práce v zahraničných recenzovaných vedeckých zborníkoch, monografiách**
AEC01    ČUNDERLÍK, Róbert - MACÁK, Marek - MEDĽA, Matej - MIKULA, Karol - MINARECHOVÁ, Zuzana. Numerical Methods for Solving the Oblique Derivative Boundary Value Problems in Geodesy. In *Handbuch der Geodäsie [elektronický zdroj]*. 1. vyd. Wiesbaden : Springer Spektrum, 2019, online, [48] s. ISBN 978-3-662-46900-2. V databáze: DOI: 10.1007/978-3-662-46900-2.

AEC02    KOMORNÍK, Jozef - KOMORNÍKOVÁ, Magda - BACIGÁL, Tomáš. Analysis of Dependence among Growth Rates of GDP of V4 Countries Using 4dimensional Vine Copulas. In *Data Analysis and Applications 2 : Utilization of Results in Europe and Other Topics*. 1. vyd. Hoboken (USA) : John Wiley & Sons, 2019, S. 37-47. ISBN 978-1-78630-447-6. V databáze: DOI: 10.1002/9781119579465.ch4.

AEC03    MESIAR, Radko - KOLESÁROVÁ, Anna - STUPŇANOVÁ, Andrea - YAGER, Ronald R. Normed Utility Functions: Some Recent Advances. In *New Perspectives in Multiple Criteria Decision Making : Innovative Applications and Case Studies*. 1. vyd. Cham : Springer Nature, 2019, S. 133-149. ISSN 2366-0023. ISBN 978-3-030-11481-7. V databáze: DOI: 10.1007/978-3-030-11482-4_5.

**AED Vedecké práce v domácich recenzovaných vedeckých zborníkoch, monografiách**
AED01    ŽDÍMALOVÁ, Mária - ZATKALÍK, Dominik - WEISMANN, Peter - KUBÍKOVÁ, Eliška - EL FALOUGY, Hisham. Vhodná segmentácia obrazu - nutnosť pri kvalitnej analýze obrazu v medicíne. In *Anatómia - 100 rokov LF UK*. 1. vyd. Trebišov : k-PRINT, 2019, S. 190-194. ISBN 978-80-973545-0-3.

**AFC Publikované príspevky na zahraničných vedeckých konferenciách**
AFC01    ARMENTIA, Javier - RODRÍGUEZ, Iosu - FUMANAL IDOCIN, J. - BUSTINCE, Humberto - MINÁROVÁ, Mária - JURIO, Aranzazu. Gravitational Clustering Algorithm Generalization by Using an Aggregation of Masses in Newton Law. In *New Trends in Aggregation Theory : 10th International Summer School on Aggregation Operators. Olomouc, Czech Republic, July 1-4, 2019*. 1. vyd. Cham (Switzerland) : Springer Nature Switzerland AG, 2019, S. 172-182. ISSN 2194-5357.

ISBN 978-3-030-19493-2. V databáze: SCOPUS: 2-s2.0-85068995504 ; DOI: 10.1007/978-3-030-19494-9_16.

AFC02    ASICI, Emel - MESIAR, Radko. The Relation Between F-partial Order and Distributivity Equation. In *New Trends in Aggregation Theory : 10th International Summer School on Aggregation Operators. Olomouc, Czech Republic, July 1-4, 2019*. 1. vyd. Cham (Switzerland) : Springer Nature Switzerland AG, 2019, S. 106-114. ISSN 2194-5357. ISBN 978-3-030-19493-2. V databáze: SCOPUS: 2-s2.0-85068998097 ; DOI: 10.1007/978-3-030-19494-9_10.

AFC03    BACIGÁL, Tomáš - KOMORNÍKOVÁ, Magda - KOMORNÍK, Jozef. Analysis of Relationship Among V4 Countries and Germany by Their Gross Domestic Products and Copula Models. In *New Trends in Aggregation Theory : 10th International Summer School on Aggregation Operators. Olomouc, Czech Republic, July 1-4, 2019*. 1. vyd. Cham (Switzerland) : Springer Nature Switzerland AG, 2019, S. 232-243. ISSN 2194-5357. ISBN 978-3-030-19493-2. V databáze: SCOPUS: 2-s2.0-85068987997 ; DOI: 10.1007/978-3-030-19494-9_22.

AFC04    BIELEK, Boris - KRAJČÍK, Michal - BUDAY, Peter - MACÁK, Marek. Two-Stage System for Utilization of Renewable Solar Energy in Modern Building Facade Technology. In *Central Europe towards Sustainable Building (CESB19) [elektronický zdroj] : proceedings. 2–4 July 2019, Prague, Czech Republic*. 1. vyd. Bristol : IOP Publishing, 2019, online, [8] s., art. no. 012070. ISSN 1755-1307. V databáze: SCOPUS: 2-s2.0-85068752832 ; DOI: 10.1088/1755-1315/290/1/012070.

AFC05    BODJANOVA, Slavka - KALINA, Martin. Uninorms on Bounded Lattices with Given Underlying Operations. In *New Trends in Aggregation Theory : 10th International Summer School on Aggregation Operators. Olomouc, Czech Republic, July 1-4, 2019*. 1. vyd. Cham (Switzerland) : Springer Nature Switzerland AG, 2019, S. 183-194. ISSN 2194-5357. ISBN 978-3-030-19493-2. V databáze: SCOPUS: 2-s2.0-85068991041 ; DOI: 10.1007/978-3-030-19494-9_17.

AFC06    BUSTINCE, Humberto - FERNANDEZ, Javier - HORANSKÁ, Ľubomíra - MESIAR, Radko - STUPŇANOVÁ, Andrea. On Some Generalizations of the Choquet Integral. In *New Trends in Aggregation Theory : 10th International Summer School on Aggregation Operators. Olomouc, Czech Republic, July 1-4, 2019*. 1. vyd. Cham (Switzerland) : Springer Nature Switzerland AG, 2019, S. 151-159. ISSN 2194-5357. ISBN 978-3-030-19493-2. V databáze: SCOPUS: 2-s2.0-85068996775 ; DOI: 10.1007/978-3-030-19494-9_14.

AFC07    ČURPEK, Jakub - BIELEK, Boris - BUDAY, Peter - MACÁK, Marek - KLEM, Josip - KRAJČÍK, Michal. Optimization of air cavity of a double-skin transparent façade for HVAC strategy. In *Advanced Building Skins [elektronický zdroj] : proceedings of the 14th Conference. 28-29 October 2019, Bern, Switzerland*. Lucerne : Advanced Building Skins, 2019, USB kľúč, s. 80-89. ISBN 978-3-9524883-0-0.

AFC08    ĎURIGOVÁ, Mária [Haburajová, Mária] - BALLOVÁ, Dominika - HLAVČOVÁ, Kamila. Analyses of Monthly Discharges in Slovakia Using Hydrological Exploratory Methods. In *Proceedings of 3rd International Electronic Conference on Water Sciences (ECWS-3) [elektronický zdroj] : Sciforum*. Basel : MDPI, 2019, online, [7] s., ID 05824. ISBN 2504-3900. V databáze: DOI: 10.3390/ECWS-3-05824.

AFC09    FRANEK, Michal - MACÁK, Marek - HUBOVÁ, Oľga. A CFD approach as a base wind study of pressure distribution on the complex buildings. In *Proceedings of 27th SVSFEM ANSYS Users´ Group Meeting and Conference 2019 [elektronický zdroj] : 12th -14th of June 2019, Olomouc, Czech Republic*. 1. vyd. Brno : SVS FEM, 2019, online, s. 18-24. ISBN 978-80-905525-6-2.

AFC10    FRANEK, Michal - MACÁK, Marek - HUBOVÁ, Oľga. The use of a plastic mesh fabrics for reduction of the wind loads. In *Nové poznatky ve vědě a výzkumu z oblasti pozemního stavitelství : 43. mezinárodní vědecká konference kateder a ústavů pozemního stavitelství, Velké Losiny, 10. - 12. září 2019*. 1. vyd. Ostrava : VŠB - Technická univerzita Ostrava, 2019, S. 32-37. ISBN 978-80-248-4199-1.

AFC11    HLINĚNÁ, Dana - KALINA, Martin. A Characterization of Uninorms by Means of a Pre-order they Induce. In *Proceedings of the 11th Conference of the European Society for Fuzzy Logic and Technology (EUSFLAT 2019) [elektronický zdroj] : Prague, September 9-13, 2019*. 1. vyd. Paris :

Atlantis Press, 2019, online, 595-601. ISSN 2589-6644. ISBN 978-94-6252-770-6. V databáze: DOI: 10.2991/eusflat-19.2019.82.

AFC12    HUBOVÁ, Oľga - MACÁK, Marek. Optimal Design of Building for Urban Wind Energy Utilization. In *World Multidisciplinary Civil Engineering, Architecture, Urban Planning Symposium (WMCAUS 2018) : proceedings. 18–22 June 2018, Prague, Czech Republic*. 1. vyd. Bristol : IOP Publishing, 2019, [9] s., art. no. 062042. ISSN 1757-8981. V databáze: SCOPUS: 2-s2.0-85062795842 ; WOS: 000465811802093 ; DOI: 10.1088/1757-899X/471/6/062042.

AFC13    JIN, LeSheng - KALINA, Martin - MESIAR, Radko - BORKOTOKEY, Surajit - ŠPIRKOVÁ, Jana. Generalized phi-transformations and n-uninorms. In *CoDIT 2019 [elektronický zdroj] : 6th International Conference on Control, Decision and Information Technologies, Paris, France, April 23-26, 2019*. 1. vyd. Danvers : IEEE, 2019, online, s. 506-511. ISSN 2576-3555. ISBN 978-1-7281-0521-5. V databáze: SCOPUS: 2-s2.0-85072819407 ; DOI: 10.1109/CoDIT.2019.8820657.

AFC14    KALINA, Martin. Uninorms and nullnorms and their idempotent versions on bounded posets. In *Modeling Decisions for Artificial Intelligence : proceedings of the 16th International Conference, MDAI 2019. Milan, Italy, September 4-6, 2019*. 1st ed. Cham (Switzerland) : Springer Nature, 2019, S. 126-137. ISSN 0302-9743. ISBN 978-3-030-26772-8. V databáze: DOI: 10.1007/978-3-030-26773-5_12 ; SCOPUS: 2-s2.0-85072823386.

AFC15    KNOR, Martin - MAJSTOROVIĆ, Snježana - ŠKREKOVSKI, Riste. Some results on Wiener index of a graph: an overview. In *Proceedings of the 2nd Croatian Combinatorial Days [elektronický zdroj] : Zagreb, September 27 - 28, 2018*. 1. vyd. Zagreb : University of Zagreb, Faculty of Civil Engineering, 2019, online, s. 49-56. ISBN 978-953-8168-33-8. V databáze: DOI: 10.5592/CO/CCD.2018.04.

AFC16    KOLESÁROVÁ, Anna - MESIAR, Radko. Fuzzy implicators related to (quasi-)copulas. In *Proceedings of the 11th Conference of the European Society for Fuzzy Logic and Technology (EUSFLAT 2019) [elektronický zdroj] : Prague, September 9-13, 2019*. 1. vyd. Paris : Atlantis Press, 2019, online, s. 235-240. ISSN 2589-6644. ISBN 978-94-6252-770-6. V databáze: DOI: 10.2991/eusflat-19.2019.35.

AFC17    MACÁK, Marek - BIELEK, Boris. Influence of the temperature in the ventilated double-skin transparent façade. In *Proceedings of 27th SVSFEM ANSYS Users´ Group Meeting and Conference 2019 [elektronický zdroj] : 12th -14th of June 2019, Olomouc, Czech Republic*. 1. vyd. Brno : SVS FEM, 2019, online, s. 11-17. ISBN 978-80-905525-6-2.

AFC18    MALÁ, Radka - JENISOVÁ, Zita - TOKÁROVÁ, Barbora - BALLOVÁ, Dominika. A didactic experiment aimed at determining the effectiveness of selected teaching methods in the teaching process of chemistry. In *ICERI 2019 Proceedings [elektronický zdroj] : 12th International Conference of Education, Research and Innovation : Seville (Spain) 11-13 November 2019*. 1. vyd. Seville : IATED Academy, 2019, USB kľúč, s. 3238-3246. ISSN 2340-1095. ISBN 978-84-09-14755-7. V databáze: DOI: 10.21125/iceri.2019.0821.

AFC19    MESIAR, Radko - KOLESÁROVÁ, Anna. Construction of Fuzzy Implication Functions Based on F-chains. In *New Trends in Aggregation Theory : 10th International Summer School on Aggregation Operators. Olomouc, Czech Republic, July 1-4, 2019*. 1. vyd. Cham (Switzerland) : Springer Nature Switzerland AG, 2019, S. 315-326. ISSN 2194-5357. ISBN 978-3-030-19493-2. V databáze: SCOPUS: 2-s2.0-85068971824 ; DOI: 10.1007/978-3-030-19494-9_29.

AFC20    MESIAR, Radko - KOLESÁROVÁ, Anna - ŠELIGA, Adam - MONTERO, Javier - GÓMEZ, Daniel. Set-based extended functions. In *Modeling Decisions for Artificial Intelligence : proceedings of the 16th International Conference, MDAI 2019. Milan, Italy, September 4-6, 2019*. 1st ed. Cham (Switzerland) : Springer Nature, 2019, S. 41-51. ISSN 0302-9743. ISBN 978-3-030-26772-8. V databáze: DOI: 10.1007/978-3-030-26773-5_4 ; SCOPUS: 2-s2.0-85072819241.

AFC21    MESIAR, Radko - KOLESÁROVÁ, Anna. Utility Functions and Constrained Additivity. In *CoDIT 2019 [elektronický zdroj] : 6th International Conference on Control, Decision and Information Technologies, Paris, France, April 23-26, 2019*. 1. vyd. Danvers : IEEE, 2019, online, s. 274-278.

ISSN 2576-3555. ISBN 978-1-7281-0521-5. V databáze: SCOPUS: 2-s2.0-85072844250 ; DOI: 10.1109/CoDIT.2019.8820375.

AFC22 PATERNAIN, Daniel - JIN, LeSheng - MESIAR, Radko - VAVRÍKOVÁ, Lucia - BUSTINCE, Humberto. OWA Operators Based on Admissible Permutations. In *Proceedings of the 2019 IEEE International Conference on Fuzzy Systems (FUZZ-IEEE) [elektronický zdroj] : New Orleans, Louisiana, USA, June 23-26, 2019*. 1. vyd. New Jersey : Institute of Electrical and Electronics Engineers, 2019, online, [5] s. ISBN 978-1-5386-1728-1. V databáze: SCOPUS: 2-s2.0-85073798046 ; DOI: 10.1109/FUZZ-IEEE.2019.8858866.

AFC23 SESMA-SARA, Mikel - DE MIGUEL, Laura - MESIAR, Radko - FERNANDEZ, Javier - BUSTINCE, Humberto. Interval-valued pre-aggregation functions: a study of directional monotonicity of interval-valued functions. In *Proceedings of the 2019 IEEE International Conference on Fuzzy Systems (FUZZ-IEEE) [elektronický zdroj] : New Orleans, Louisiana, USA, June 23-26, 2019*. 1. vyd. New Jersey : Institute of Electrical and Electronics Engineers, 2019, online, [6] s. ISBN 978-1-5386-1728-1. V databáze: SCOPUS: 2-s2.0-85073784461 ; DOI: 10.1109/FUZZ-IEEE.2019.8858806.

AFC24 SESMA-SARA, Mikel - DE MIGUEL, Laura - MESIAR, Radko - FERNANDEZ, Javier - BUSTINCE, Humberto. Local Properties of Strengthened Ordered Directional and Other Forms of Monotonicity. In *Fuzzy Techniques: Theory and Applications : proceedings of the 2019 Joint World Congress of the International Fuzzy Systems Association and the Annual Conference of the North American Fuzzy Information Processing Society IFSA/NAFIPS'2019. Lafayette, Louisiana, USA, June 18–21, 2019*. 1. vyd. Cham : Springer Nature, 2019, S. 33-43. ISSN 2194-5357. ISBN 978-3-030-21919-2. V databáze: SCOPUS: 2-s2.0-85068990745 ; DOI: 10.1007/978-3-030-21920-8_4.

AFC25 SESMA-SARA, Mikel - DE MIGUEL, Laura - DE HIERRO, Antonio Francisco Roldán López - ŠPIRKOVÁ, Jana - MESIAR, Radko - BUSTINCE, Humberto. Description and Properties of Curve-Based Monotone Functions. In *New Trends in Aggregation Theory : 10th International Summer School on Aggregation Operators. Olomouc, Czech Republic, July 1-4, 2019*. 1. vyd. Cham (Switzerland) : Springer Nature Switzerland AG, 2019, S. 195-204. ISSN 2194-5357. ISBN 978-3-030-19493-2. V databáze: SCOPUS: 2-s2.0-85069003532 ; DOI: 10.1007/978-3-030-19494-9_18.

AFC26 STUPŇANOVÁ, Andrea. Scientometric Indices Based on Integrals and Their Adaptation in Different Domains. In *Integrated Uncertainty in Knowledge Modelling and Decision Making : proceedidngs of the 7th International Symposium, IUKM 2019, Nara, Japan, March 27-29, 2019*. 1. vyd. Cham : Springer Nature, 2019, S. 3-12. ISBN 978-3-030-14814-0. V databáze: SCOPUS: 2-s2.0-85064204703 ; DOI: 10.1007/978-3-030-14815-7_1.

AFC27 STUPŇANOVÁ, Andrea - VIVONA, Doretta - DIVARI, Maria. Pseudo-Additions and Shift Invariant Aggregation Functions. In *New Trends in Aggregation Theory : 10th International Summer School on Aggregation Operators. Olomouc, Czech Republic, July 1-4, 2019*. 1. vyd. Cham (Switzerland) : Springer Nature Switzerland AG, 2019, S. 75-82. ISSN 2194-5357. ISBN 978-3-030-19493-2. V databáze: SCOPUS: 2-s2.0-85068981323 ; DOI: 10.1007/978-3-030-19494-9_7.

AFC28 STUPŇANOVÁ, Andrea - SMREK, Peter. Generalized deviation functions and construction of aggregation functions. In *Proceedings of the 11th Conference of the European Society for Fuzzy Logic and Technology (EUSFLAT 2019) [elektronický zdroj] : Prague, September 9-13, 2019*. 1. vyd. Paris : Atlantis Press, 2019, online, s. 96-100. ISSN 2589-6644. ISBN 978-94-6252-770-6. V databáze: DOI: 10.2991/eusflat-19.2019.15.

AFC29 STUPŇANOVÁ, Andrea. Decisions based on deviation functions. In *CoDIT 2019 [elektronický zdroj] : 6th International Conference on Control, Decision and Information Technologies, Paris, France, April 23-26, 2019*. 1. vyd. Danvers : IEEE, 2019, online, s. 245-249. ISSN 2576-3555. ISBN 978-1-7281-0521-5. V databáze: SCOPUS: 2-s2.0-85072835291 ; DOI: 10.1109/CoDIT.2019.8820466.

AFC30 TAKÁČ, Zdenko - MINÁROVÁ, Mária - BUSTINCE, Humberto - FERNANDEZ, Javier. Restricted Similarity Functions, Distances and Entropies with Intervals Using Total Orders. In *Integrated Uncertainty in Knowledge Modelling and Decision Making : proceedidngs of the 7th International Symposium, IUKM 2019, Nara, Japan, March 27-29, 2019*. 1. vyd. Cham : Springer Nature, 2019, S.

432-442. ISBN 978-3-030-14814-0. V databáze: SCOPUS: 2-s2.0-85064192504 ; DOI: 10.1007/978-3-030-14815-7_36.

**AFD Publikované príspevky na domácich vedeckých konferenciách**

AFD01    ÁBRAHÁMOVÁ, Andrea. One of the approaches to the creation of conformal projections. In *Advances in Architectural, Civil and Environmental Engineering [elektronický zdroj] : 29th Annual PhD Student Conference on Applied Mathematics, Applied Mechanics, Building Technology, Geodesy and Cartography, Landscaping, Theory and Environmental Technology of Buildings, Theory and Structures of Buildings, Theory and Structures of Civil Engineering Works, Water Resources Engineering. October 16th 2019, Bratislava*. 1. vyd. Bratislava : Spektrum STU, 2019, CD-ROM, s. 13-19. ISBN 978-80-227-4972-5.

AFD02    ÁBRAHÁMOVÁ, Andrea - VAJSÁBLOVÁ, Margita. Kinetic Curves in Cartographic Projections. In *Proceedings of the slovak-czech conference on geometry and graphics 2019 [elektronický zdroj /]*. 1. vyd. Bratislava : Vydavateľstvo SCHK, 2019, S. 27-40. ISBN 978-80-8208-024-0.

AFD03    BALLOVÁ, Dominika. Statistical analysis of the achievement in examination of Mathematics 2. In *Advances in Architectural, Civil and Environmental Engineering [elektronický zdroj] : 29th Annual PhD Student Conference on Applied Mathematics, Applied Mechanics, Building Technology, Geodesy and Cartography, Landscaping, Theory and Environmental Technology of Buildings, Theory and Structures of Buildings, Theory and Structures of Civil Engineering Works, Water Resources Engineering. October 16th 2019, Bratislava*. 1. vyd. Bratislava : Spektrum STU, 2019, CD-ROM, s. 20-24. ISBN 978-80-227-4972-5.

AFD04    FRANEK, Michal - LENDELOVÁ, Jana - MACÁK, Marek - HUBOVÁ, Oľga. Pressure distribution on duopitch roofs for agricultural structures. In *Rural Buildings in European Regions RUBER 2019. Architectura - Construction - Technology - Safety - Logistics / Vidiecke stavby v európskych regiónoch RUBER 2019. Architektúra - konštrukcie - technológie - bezpečnosť - logistika [elektronický zdroj] [elektronický zdroj] : Zborník recenzovaných vedeckých prác/Anthology of reviewed scientific papers. 10 September 2019. Nitra, Slovakia*. 1. vyd. Nitra, Slovakia : Slovenská poľnohospodárska univerzita v Nitre, 2019, online, s. 12-16. ISBN 978-80-552-2068-0.

AFD05    HUBOVÁ, Oľga - FRANEK, Michal - MACÁK, Marek. Wind Loads and Their Reduction on Mesh Fabrics. In *New Trends in Dynamics of Structures : conference proceedings. 37th International Conference on Vibroengineering. Bratislava, Slovakia, 25-26th April 2019*. 1. vyd. Kaunas : JVE International, 2019, S. 123-127. ISSN 2345-0533. V databáze: DOI: 10.21595/vp.2019.20659 ; SCOPUS: 2-s2.0-85065870999.

AFD06    JÁNOŠ, Pavol. A note on the McKay-Miller-Širáň graphs as Abelian lifts of multigraphs of diameter two. In *Advances in Architectural, Civil and Environmental Engineering [elektronický zdroj] : 29th Annual PhD Student Conference on Applied Mathematics, Applied Mechanics, Building Technology, Geodesy and Cartography, Landscaping, Theory and Environmental Technology of Buildings, Theory and Structures of Buildings, Theory and Structures of Civil Engineering Works, Water Resources Engineering. October 16th 2019, Bratislava*. 1. vyd. Bratislava : Spektrum STU, 2019, CD-ROM, s. 25-29. ISBN 978-80-227-4972-5.

AFD07    KRIVÁ, Zuzana - STAŠOVÁ, Oľga. Speckle removing anisotropic diffusion based on PDE models discretized by the finite volume method. In *Aplimat 2019, 18th Conference on Applied Mathematics [elektronický zdroj] : proceedings*. 1. vyd. Bratislava : Slovenská technická univerzita v Bratislave, 2019, USB kľúč, s. 700-714. ISBN 978-80-227-4884-1. V databáze: SCOPUS: 2-s2.0-85070808745.

AFD08    MALÁ, Radka - JENISOVÁ, Zita - PORUBSKÁ, Mária - BALLOVÁ, Dominika. Design of experiments in the laboratory and the use of statistical methods for data analysis. In *Aplimat 2019, 18th Conference on Applied Mathematics [elektronický zdroj] : proceedings*. 1. vyd. Bratislava : Slovenská technická univerzita v Bratislave, 2019, USB kľúč,    s. 782-792. ISBN 978-80-227-4884-1. V databáze: SCOPUS: 2-s2.0-85070837419.

AFD09    ŠELIGA, Adam. Asymmetric collection integral. In *Advances in Architectural, Civil and Environmental Engineering [elektronický zdroj] : 29th Annual PhD Student Conference on Applied Mathematics, Applied Mechanics, Building Technology, Geodesy and Cartography, Landscaping, Theory and Environmental Technology of Buildings, Theory and Structures of Buildings, Theory and*

*Structures of Civil Engineering Works, Water Resources Engineering. October 16th 2019, Bratislava*. 1. vyd. Bratislava : Spektrum STU, 2019, CD-ROM, s. 30-34. ISBN 978-80-227-4972-5.

AFD10    VAJSÁBLOVÁ, Margita. Geometry and art on the Bohemiae Rosa and on Bleau's historical maps in 17th century. In *Aplimat 2019, 18th Conference on Applied Mathematics [elektronický zdroj] : proceedings*. 1. vyd. Bratislava : Slovenská technická univerzita v Bratislave, 2019, USB kľúč, s. 1251-1264. ISBN 978-80-227-4884-1. V databáze: SCOPUS: 2-s2.0-85070818411.

AFD11    ŽDÍMALOVÁ, Mária - FECKOVÁ ŠKRABUĽÁKOVÁ, Erika. Magic with fractals. In *Aplimat 2019, 18th Conference on Applied Mathematics [elektronický zdroj] : proceedings*. 1. vyd. Bratislava : Slovenská technická univerzita v Bratislave, 2019, USB kľúč, s. 1326-1344. ISBN 978-80-227-4884-1. V databáze: SCOPUS: 2-s2.0-85070830386.

**AFG Abstrakty príspevkov zo zahraničných konferencií**

AFG01    DE MIGUEL, Laura - SESMA-SARA, Mikel - FERNANDEZ, Javier - MESIAR, Radko - BUSTINCE, Humberto. Geometrical Differences in the Generalizations of Monotonicity Conditions. In *Book of abstracts of the 11th Conference of the European Society for Fuzzy Logic and Technology (EUSFLAT 2019) [elektronický zdroj] : Praha, ČR, 9. - 13. 10. 2019*. 1. vyd. Ostrava : University of Ostrava, 2019, USB kľúč, s. 47. ISBN 978-80-7599-110-2.

AFG02    ĎURIGOVÁ, Mária [Haburajová, Mária] - BALLOVÁ, Dominika. The detection of changes in mean monthly discharges in Slovakia. In *HydroCarpath 2019. Catchment Processes in Regional Hydrology: Coupling Field Experiments and Data Assimilation into Process Understanding and Modeling in Carpathian Basins : posters and abstracts of the conference. Vienna/Bratislava/Sopron, 14. 11. 2019*. 1. vyd. Sopron : University of Sopron Press, 2019, S. 23. ISBN 978-963-334-349-4.

AFG03    KOLLÁR, Michal - ČUNDERLÍK, Róbert - MIKULA, Karol. Fully automatic along-track pre-processing of the GOCE gravity gradients in the gradiometer reference frame. In *Geophysical Research Abstracts. Volume 21/2019 [elektronický zdroj] : the open-access abstracts of the EGU General Assemblies*. Göttingen : Copernicus Publications, 2019, online, [1] s. ISSN 1607-7962.

AFG04    MESIAR, Radko - KOLESÁROVÁ, Anna. On a construction of fuzzy implication functions. In *The 4th International Symposium on Fuzzy Sets Uncertainty Modelling ISFS 2019 : Abstracts*. Rzesów, Poľsko : Uniwersytet Rzeszowski, Wydawnictwo Uniwersytetu Rzeszowskiego, 2019, S. 15-16. ISBN 978-83-7996-680-6.

AFG05    ŠELIGA, Adam. Decomposition integrals for interval-valued functions. In *Book of abstracts of ESCIM 2019 [elektronický zdroj] : October 2nd–5th, 2019, Toledo, Spain*. 1 vyd. Cádiz : University of Cádiz, 2019, online, s. 9-10. ISBN 978-84-09-14600-0.

**AFH Abstrakty príspevkov z domácich konferencií**

AFH01    HRIŇÁKOVÁ, Katarína. O grafoch s daným počtom vrcholov a blokov a maximálnym Wienerovým indexom. In *51. konferencia slovenských matematikov : zborník abstratkov. Jasná pod Chopkom, SR, 28. 11. - 1. 12. 2019*. 1. vyd. Žilina : EDIS, 2019, S. 29. ISBN 978-80-554-1609-0.

AFH02    KOLLÁR, Michal - MIKULA, Karol - AMBROZ, Martin - ŠIBÍKOVÁ, Mária. Softvér na segmentáciu chránených území Natura 2000. In *51. konferencia slovenských matematikov : zborník abstraktov. Jasná pod Chopkom, SR, 28. 11. - 1. 12. 2019*. 1. vyd. Žilina : EDIS, 2019, S. 37. ISBN 978-80-554-1609-0.

AFH03    KÓSA, Balázs - MIKULA, Karol. Segmentácia 3D obrazu podporovaná mračnom bodov. In *51. konferencia slovenských matematikov : zborník abstratkov. Jasná pod Chopkom, SR, 28. 11. - 1. 12. 2019*. 1. vyd. Žilina : EDIS, 2019, S. 38. ISBN 978-80-554-1609-0.

AFH04    RÜCKSCHLOSSOVÁ, Tatiana. Softvérovo inovované študijné materiály z deskriptívnej geometrie. In *51. konferencia slovenských matematikov : zborník abstratkov. Jasná pod Chopkom, SR, 28. 11. - 1. 12. 2019*. 1. vyd. Žilina : EDIS, 2019, S. 46-47. ISBN 978-80-554-1609-0.

AFH05    STAŠOVÁ, Oľga - KRIVÁ, Zuzana. Filtrácia radarových dát získaných technológiou SAR pomocou anizotropných difúznych modelov. In *51. konferencia slovenských matematikov : zborník abstratkov.*

*Jasná pod Chopkom, SR, 28. 11. - 1. 12. 2019*. 1. vyd. Žilina : EDIS, 2019, S. 48-49. ISBN 978-80-554-1609-0.

**BCI Skriptá a učebné texty**

BCI01    MÉSZÁROSOVÁ, Katarína - TEREŇOVÁ, Zuzana. *Deskriptívna geometria I : Stredové premietanie a lineárna perspektíva* [elektronický zdroj]. 1. vyd. Bratislava : Spektrum STU, 2019. Edícia skrípt. Dostupné na internete: <http://www.vydavatelstvo.stuba.sk/online-knihy/deskriptivna-geometria-1>. ISBN 978-80-227-4929-9.

BCI02    MINARECHOVÁ, Zuzana - MACÁK, Marek. *Zbierka riešených úloh z Matematiky 2 pre odbor GaK* [elektronický zdroj]. 1. vyd. Bratislava : Spektrum STU, 2019. CD-ROM, 221 s. Edícia skrípt. ISBN 978-80-227-4967-1.

**BDE Odborné práce v ostatných zahraničných časopisoch**

BDE01    KULCZYCKI, Piotr - KACPRZYK, Janusz - KÓCZY, László T. - MESIAR, Radko. Preface - Special section on Information Technology for Systems Research. In *International Journal of Applied Mathematics and Computer Science*. Vol. 29, No. 3 (2019), s. 425-426. ISSN 1641-876X (2019: 0.967 - IF, Q3 - JCR Best Q, 0.343 - SJR, Q2 - SJR Best Q).

**BEE Odborné práce v zahraničných zborníkoch (konferenčných aj nekonferenčných)**

BEE01    HALAŠ, Radomír - GAGOLEWSKI, Marek - MESIAR, Radko. Preface. In *New Trends in Aggregation Theory : 10th International Summer School on Aggregation Operators. Olomouc, Czech Republic, July 1-4, 2019*. 1. vyd. Cham (Switzerland) : Springer Nature Switzerland AG, 2019, [1] s. ISSN 2194-5357. ISBN 978-3-030-19493-2. V databáze: SCOPUS: 2-s2.0-85068979268.

**BFA Abstrakty odborných prác zo zahraničných podujatí (konferencie...)**

BFA01    BALLOVÁ, Dominika - ŠELIGA, Adam. Detecting long term and abrupt changes in hydrological processes. In *Book of abstracts of the 18th Applied Stochastic Models and Data Analysis International Conference with Demographics Workshop - ASMDA 2019 [elektronický zdroj] : Florence, Italy: 11-14 June 2019*. 1. vyd. [s.l.] : International Society for the Advancement of Science and Technology, 2019, USB kľúč, s. 27-28.

BFA02    FROLKOVIČ, Peter. Semi-implicit time discretizations of advection level set equations. In *Efficient high-order time discretization methods for PDEs : abstracts booklet. May 8-10, 2019, Anacapri, Italy*. 1. vyd. Neapol : University of Napoli Federico II, 2019, S. 27.

BFA03    ŠELIGA, Adam. New types of decomposition integrals for real- and interval-valued functions. In *Set Functions in Games and Decision : abstracts of the 38th Linz Seminar on Fuzzy Set Theory. Linz, Austria, 5. - 8. 2. 2019*. 1. vyd. Austria : Johannes Kepler Universität Linz, 2019, S. 90-92.

BFA04    ŠELIGA, Adam. Properties of super- and sub-additive transformations and its modifications. In *Fuzzy and Rough Mathematical Structures [abstracts of the International Workshop. Latvia, Riga, April 3-7, 2019]*. 1. vyd. Riga : Latvian Mathematical Society, 2019, S. 28.

BFA05    ŠELIGA, Adam. Quintic polynomials as copulas. In *ISCAMI 2019 : proceedings of the 20th International Student Conference on Applied Mathematics and Informatics. Prague, Czech Republic, May 16-19, 2019*. 1. vyd. Prague : Czech Technical University in Prague, 2019, S. 62-63.

BFA06    ŠIBÍK, Jozef - FRANKLIN, Scott - OLEJNICZAK, Pawel - SAMULAK, Ewa - NECHAJ, Juraj - BACIGÁL, Tomáš - ŠIBÍKOVÁ, Mária. Structural and functional changes of montane spruce forests after the disturbances. In *Abstracts of the 62nd Annual Symposium of the International Association for Vegetation Science : 14-19 July 2019, Bremen, Germany*. 1. vyd. [s.l.] : International Association for Vegetation Science, 2019, S. 221.

**BFB Abstrakty odborných prác z domácich podujatí (konferencie...)**

BFB01    JÁNOŠ, Pavol. An upper bound for large graphs of given degree and diameter two arising from Abelian lifts of complete bipartite multigraphs. In *Graphs 2019 : book of abstracts of the 54th Czech-Slovak Conference. June 3-7, 2019, Čingov*. 1. vyd. Košice : Technical University of Košice, 2019, S. 11-12.

BFB02    KNOR, Martin. Graovac-Pisanski index for trees. In *Graphs 2019 : book of abstracts of the 54th Czech-Slovak Conference. June 3-7, 2019, Čingov*. 1. vyd. Košice : Technical University of Košice, 2019, S. 15.

**FAI Redakčné a zostavovateľské práce knižného charakteru (bibliografie, encyklopédie, katalógy, slovníky, zborníky...)**
FAI01    HALAŠ, Radomír (ed.) - GAGOLEWSKI, Marek (ed.) - MESIAR, Radko (ed.). *New Trends in Aggregation Theory : 10th International Summer School on Aggregation Operators. Olomouc, Czech Republic, July 1-4, 2019*. 1. vyd. Cham (Switzerland) : Springer Nature Switzerland AG, 2019. 348 s. Advances in Intelligent Systems and Computing, vol. 981. Dostupné na internete: <https://link.springer.com/content/pdf/bfm%3A978-3-030-19494-9%2F1.pdf>. ISBN 978-3-030-19493-2. ISSN 2194-5357. V databáze: DOI: 10.1007/978-3-030-19494-9.

**Štatistika: kategória publikačnej činnosti**

| | | |
|---|---|---|
| ACB | Vysokoškolské učebnice vydané v domácich vydavateľstvách | 1 |
| ADC | Vedecké práce v zahraničných karentovaných časopisoch | 49 |
| ADE | Vedecké práce v ostatných zahraničných časopisoch | 2 |
| ADF | Vedecké práce v ostatných domácich časopisoch | 2 |
| ADM | Vedecké práce v zahraničných časopisoch registrovaných v databázach Web of Science alebo SCOPUS | 9 |
| ADN | Vedecké práce v domácich časopisoch registrovaných v databázach Web of Science alebo SCOPUS | 6 |
| AEC | Vedecké práce v zahraničných recenzovaných vedeckých zborníkoch, monografiách | 3 |
| AED | Vedecké práce v domácich recenzovaných vedeckých zborníkoch, monografiách | 1 |
| AFC | Publikované príspevky na zahraničných vedeckých konferenciách | 30 |
| AFD | Publikované príspevky na domácich vedeckých konferenciách | 11 |
| AFG | Abstrakty príspevkov zo zahraničných konferencií | 5 |
| AFH | Abstrakty príspevkov z domácich konferencií | 5 |
| BCI | Skriptá a učebné texty | 2 |
| BDE | Odborné práce v ostatných zahraničných časopisoch | 1 |
| BEE | Odborné práce v zahraničných zborníkoch (konferenčných aj nekonferenčných) | 1 |
| BFA | Abstrakty odborných prác zo zahraničných podujatí (konferencie...) | 6 |
| BFB | Abstrakty odborných prác z domácich podujatí (konferencie...) | 2 |
| FAI | Redakčné a zostavovateľské práce knižného charakteru (bibliografie, encyklopédie, katalógy, slovníky, zborníky...) | 1 |
| **Súčet** | | **137** |

**Štatistika: skupiny kategórií publikačnej činnosti**

| | | |
|---|---|---|
| Skupina A2 | Ostatné knižné publikácie (ACA, ACB, BAA, BAB, BCB, BCI, EAI, CAA, CAB, EAJ, FAI) | 4 |
| Skupina B | Publikácie v karentovaných vedeckých časopisoch (ADC, ADD, BDC, BDD, CDC, CDD, AGJ) | 64 |
| Skupina C | Publikácie, ktoré nie sú karentované, ale sú registrované v databázach WoS alebo Scopus (ADM, ADN, BDM, BDN) | 68 |
| Skupina X | Nezaradené | 1 |
| **Súčet** | | **137** |