FIȘĂ DE EVALUARE PRIVIND RAPORTAREA LA STANTARDELE MINIMALE PE DOMENII

FIȘĂ DE VERIFICARE a îndeplinirii standardelor naționale în vigoare, domeniul **Știința Mediului, Comisia Științele Pământului**

CRITERIUL 1: ARTICOLE ȘTIINȚIFICE

Nr. crt.	Articole în reviste ISI ca autor principal (minim 5 WoS + 3 BDI, AIS cumulat ≥ 3.5)	FI (la data publicării)	AIS (la data publicării[§])
1	Keresztesi, Á., Nita, I.A., Boga, R., Birsan, M.V., Bodor, Z., **Szép, R.,** 2020. Spatial and long-term analysis of rainwater chemistry over the conterminous United States. Environ. Res. 188. https://doi.org/10.1016/j.envres.2020.109872	**6.498**	**1.344**
2	Ágnes Keresztesi, Ion-Andrei Nita, Marius-Victor Birsan, Zsolt Bodor, Timea Pernyeszi, Miruna Mihaela Micheu, **Róbert Szép**, Assessing the variations in the chemical composition of rainwater and air masses using the zonal and meridional index, Atmospheric Research, Volume 237, 2020, 104846, https://doi.org/10.1016/j.atmosres.2020.104846.	**5.369**	**1.150**
3	**Robert Szép,** Zsolt Bodor, Ildiko MIklossy, Ion-Andrei Nita, Oana A. Oprea, Ágnes Keresztesi*, Influence of peat fires on the rainwater chemistry in intra-mountain basins with specific atmospheric circulations (Eastern Carpathians, Romania), Science of the Total Environment, Volume 647, Issue 1, 275-289, 2019. https://doi.org/10.1016/j.scitotenv.2018.07.462.	**6.551**	**1.119**
4	**Szép R.**, Mateescu E., Nita I.A., Birsan M.V., Bodor Zs., Keresztesi Á.: Effects of the Eastern Carpathians on atmospheric circulations and precipitation chemistry from 2006 to 2016 at four monitoring stations (Eastern Carpathians, Romania), *Atmospheric Research*, Volume 214, Issue 1, Pages: 311-328, 2018. DOI: https://doi.org/10.1016/j.atmosres.2018.08.009	**4.114**	**0.934**
5	Katalin BODOR, Zsolt BODOR, Alexandru SZÉP, **Róbert SZÉP***, Human health impact assessment and temporal distribution of trace elements in Copșa Mică- Romania, *Scientific Reports*, 11:7049, 2021, 10.1038/s41598-021-86488-5.	**4.996**	**1.207**
	TOTAL 5 articole publicate ca autor principal/corespondent	**27.528**	**5.754**
6	Ágnes Keresztesi, Ion-Andrei Nita, Marius-Victor Birsan, Zsolt Bodor, **Róbert Szép***, The risk of cross-border pollution and the influence of regional climate on the rainwater chemistry in the Southern Carpathians, Romania, Environmental Science and Pollution Research, https://doi.org/10.1007/s11356-019-07478-9, 2020.	2.914	0.539
7	Ágnes Keresztesi, Marius-Victor Birsan, Ion-Andrei Nita, Zsolt Bodor, **Róbert Szép***, Assessing the neutralisation, wet deposition and source contributions of the precipitation chemistry over Europe during 2000–2017, Environmental Sciences Europe, (2019) 31:50, https://doi.org/10.1186/s12302-019-0234-9.	5.394	–
8	Marius-Victor Birsan, Dana-Magdalena Micu, Ion-Andrei Nita, Elena Mateescu, **Róbert Szép,** Ágnes Keresztesi, Spatio-Temporal Changes in Annual Temperature Extremes over Romania (1961-2013), Romanian Journal of Physics 64, 816, pages 1-11, (2019).	1.460	0.208
9	Ágnes Keresztesi, Sandor Petres, Ghita Gina, Dumitru Florina-Diana, Mihaela Andreea Moncea, Alexandru Ozunu, **Robert Szép***, Ammonium Neutralization Effect on Rainwater Chemistry in the Basins of the Eastern Carpathians – Romania, Revista de Chimie, Volume: 69, Issue: 1, Page: 57-63, 2018.	1.605	0.052
10	**R. Szép,** R. Keresztes, A. Korodi, Sz. Tonk, M.E. Craciun, Study of air pollution and atmospheric stability in Ciuc basin – Romania, Revista de Chimie, Volume: 68, Issue: 8, Page: 1763-1767, 2017.	1.412	0.047

11	**R. Szép,** R. Keresztes, Sz. Tonk, A. Korodi, M.E. Craciun, The Examination of the Effects of Relative Humidity on the Changes of Tropospheric Ozone Concentrations in the Ciuc basin, Romania - Revista de Chimie - Volume: 68, Issue: 4, Page: 642-645, 2017.	1.412	0.047
12	**R. Szép,** R. Keresztes, A. Korodi, Sz. Tonk., A.G. Niculae, A.M. Barloiu, Dew point – indirect particulate matter pollution indicator in the Ciuc basin – Harghita, Romania, Revista de Chimie, Volume: 67, Issue: 10, Page: 1914-1921, 2016.	1.232	0.057
13	**R. Szép,** R. Keresztes, Gy. Deák, F. Tobă, M. Ghimpusian, The dry deposition of PM10 and PM2.5 to the vegetation and its health effect in the Ciuc basin, Revista de Chimie, Volume: 67, Issue: 4, Page: 639-644, 2016.	1.232	0.057
14	**R. Szép,** R. Keresztes, L. Constantin, Multi-model assessment of tropospheric ozone pollution indices of risk to human health and crops, and ozone deposition in Ciuc Depression – Romania, Revista de Chimie, Volume: 67, Issue: 3, Page: 408-413, 2016.	1.232	0.057
15	**R. Szép,** L. Mátyás, R. Keresztes, M. Ghimpusan, Tropospheric Ozone Concentrations - Seasonal and Daily Analysis and its Association with NO and NO2 as a Function of NOx in Ciuc Depression – Romania, Revista de Chimie, vol. 67., 2., Page: 205-213, 2016.	1.232	0.057
16	**R. Szép*** & L. Mátyás, The role of regional athmospheric stability in high-PM10 concentration episodes in Miercurea Ciuc (Harghita), Carpathian Journal of Earth and Environmental Sciences, Volume: 9, Issue: 2, Page: 241-250, 2014.	0.907	0.126
17	Eszter Rápó, **Róbert Szép**, Ágnes Keresztesi, Maria Suciu, Szende Tonk, Adsorptive Removal of Cationic and Anionic Dyes from Aqueous Solutions by Using Eggshell Household Waste as Biosorbent, Acta Chim. Slov, vol. 65, pages 709-717, 2018.	1.076	0.146
18	MARIUS-VICTOR BIRSAN, ION-ANDREI NITA, ALEXANDRA CRACIUN, LUCIAN SFÎCĂ, CRINA RADU, **RÓBERT SZÉP**, ÁGNES KERESZTESI, MIRUNA MIHAELA MICHEU, OBSERVED CHANGES IN MEAN AND MAXIMUM MONTHLY WIND SPEED OVER ROMANIA SINCE AD 1961, Romanian Journal of Physics, 2020.	1.460	0.208
19	ION-ANDREI NITA, LUCIAN SFÎCĂ, LIVIU APOSTOL, CRINA RADU, MARIUS VICTOR BIRSAN, **RÓBERT SZÉP,** ÁGNES KERESZTESI, Changes in cyclones intensity over Romania according to 12 tracking methods, Romanian Journal of Physics, 2020.	1.888	0.194
20	Micheu, M.M., Birsan, M.V., **Szép, R.,** Keresztesi, Á., Nita, I.A., 2020. From air pollution to cardiovascular diseases: the emerging role of epigenetics. Mol. Biol. Rep. https://doi.org/10.1007/s11033-020-05570-9.	2.316	0.411
21	E. Rápó, L.E. Aradi, Á. Szabó, K. Posta, **R. Szép**, Sz. Tonk, Adsorption of Remazol Brilliant Violet-5R Textile Dye from Aqueous Solutions by Using Eggshell Waste Biosorbent, Scientific Reports, 10 (8385), 2020.	3.998	1.261
22	Bodor, Z., Bodor, K., Keresztesi, Á., **Szép, R.,** Major air pollutants seasonal variation analysis and long-range transport of PM 10 in an urban environment with specific climate condition in Transylvania (Romania). Environ. Sci. Pollut. Res., 27, 38181-38199, 2020. https://doi.org/https://doi.org/10.1007/s11356-020-09838-2.	4.223	0.603
23	Kósa CsA, Nagy K, Szenci O, Baska-Vincze B, Andrásofszky E, **Szép R**, Keresztesi Á, Mircean M, Taulescu M, Kutasi O (2021) The role of selenium and vitamin E in a Transylvanian enzootic equine recurrent rhabdomyolysis syndrome. Acta Veterinaria Hungarica 69 (3).	0.959	0.213
24	Bodor K, Micheu MM, Keresztesi Á, Birsan MV, Nita IA, Bodor Z, Petres S, Korodi A, **Szép R*** (2021) Effects of PM10 and Weather on Respiratory and Cardiovascular Diseases in the Ciuc Basin (Romanian Carpathians). Atmosphere 12 (289). https://doi.org/10.3390/atmos12020289.	3.110	0.626
25	Boga, R. & Keresztesi, Á., Bodor, Z., **Szép R.***, Source identification and exposure assessment to PM10 in the Eastern Carpathians, Romania. J Atmos Chem (2021). https://doi.org/10.1007/s10874-021-09421-0	3.360	0.493
26	Micheu MM, Birsan MV, Nita IA, Andrei MD, Nebunu D, Acatrinei C, Sfica L, **Szép R,** Keresztesi Á, Arróyabe Hernáez PF, Onciul S, Scafa-Udriste A, Dorobantu M (2021) Influence of Meteorological Variables on People with Cardiovascular Diseases in Bucharest, Romania (2011–2012). Romanian Reports in Physics 73, 707.	2.700	0.245
27	Boga R. & Keresztesi Á, Bodor Z, **Szép R.***, et al (2021) Influence of rising air temperature and solar radiation on the tropospheric ozone in the Ciuc Basin, Romania. *Romanian Journal of Physics* 66, 805.	1.662	0.172
28	Katalin Bodor, Bernadett Tokos, Zsolt Bodor, Szilvia László, Ágnes Keresztesi, George Garbacea, **Róbert Szép***, Hydro geochemical characterization of the main European	4.300	0.563

	mineral water brands, Journal of Food Composition and Analysis, 122, 105438, 2023. https://doi.org/10.1016/j.jfca.2023.105438.		
29	Katalin Bodor, **Róbert Szép**, Ágnes Keresztesi, Zsolt Bodor, Time series analysis of PM 2.5, PM 10 , and total suspended particles (TSP) in the Ciuc basin (Transylvania) with specific microclimate condition from 2010 to 2019, Environmental Monitoring and Assessment, 195, 798, 2023. https://doi.org/10.1007/s10661-023-11407-2.	3.000	0.444
30	E. Rápó, K. Posta, M. Suciu, **R. Szép**, Sz. Tonk, Adsorptive Removal of Remazol Brilliant Violet-5R Dye from Aqueous Solutions using Calcined Eggshell as Biosorbent, Acta Chim. Slov., 66, 648–658, 2019.	1.263	0.144
31	C.M. Ciocănea, P.C. Corpade, D.A. Onose, G.O. Vânău, C. Malos, M. Petrovici, **R. Szép**, The assessment of lotic ecosystems degradation using multi-criteria analysis and GIS techniques. Carpathian Journal of Earth and Environmental Sciences, 14(2), 255-268, 2019.	1.307	0.132
32	O. Hegedűs, Z. Šmotlákova, A. Hegedűsova, J. Dubajová, A. Andrejiová, S. Jakabová, Sz. Tonk, **R. Szép**, T. Pernyeszi, Determination of Isocyanates in Workplace Atmosphere by HPLC, Revista de Chimie, Volume: 69, Issue: 2, Page: 625-630, 2018.	1.605	0.052
33	Sz. Tonk, C. Majdik, **R. Szép,** M. Suciu, E. Rápó, B. Nagy, Biosorption of Cd(II) ions from aqueous solution by eggshell waste kinetic and equilibrium isotherm studies, Revista de Chimie, Volume: 68, Issue: 9, Page: 1951-1958, 2017.	1.412	0.047
34	A. Török, B. Nagy, Sz. Tonk, E. Buta, **R. Szép**, C. Majdik, A.G. Niculae, Crystal violet dye removal from aqueous solutions using Elodea canadensis as biofilter, Revista de Chimie, Volume: 68, Issue: 10, Page: 2270-2275, 2017.	1.412	0.047
35	E. Holban, M. Matei, G. Ghita, M. Raischi, S. Fronescu, A. Daescu, G.I. Petrache, M. Ilie, **R. Szép**, A. Moncea, F. Marinescu, C. Tociu, Assessment of atmospheric pollution in a cement factory area situated in the eastern part of Romania, Journal of Environmental Protection and Ecology, Volume: 18, Issue: 3, Page: 819-830, 2017.	0.679	0.033
36	C. Tociu, **R. Szép**, A. M. Anghel, F. Marinescu, M. Ilie, E. Holban, M. Matei, G. Ghita, I. Popescu, A. Moncea, L. Laslo, A.I. Daescu, Possibilities for efficient use of valuable materials from aluminium slag to remove specific pollutants in wastewater, Journal of Environmental Protection and Ecology, Volume: 18, Issue: 3, Page: 842-852, 2017.	0.679	0.033
37	A.M. Anghel, F. Marinescu, M. Ilie, G. Ghiță, P. Ionescu, I. Mărcuș, C. Tociu, A. Moncea, M. Mîțiu, I. Popescu, **R. Szép**, L. Laslo, E. Holban, advanced processing of environmental data forestablishing the ecological status of the lower Danube water in terms of nutrients, Journal of Environmental Protection and Ecology, Volume: 18, Issue:3, Page: 853-861, 2017.	0.679	0.033
38	M. Vlad , M.A. Mîțiu, A.M. Anghel, L. Laslo, M. Ilie, **R. Szép**, G. Ghita, M. Matei, E. Holban, F. D. Dumitru, Recovery of galvanic sludge by psicho-chemical mechanism, Journal of Environmental Protection and Ecology, Volume: 18, Issue: 3, Page: 1117-1126, 2017.	0.679	0.033
39	A. Nicolae, Gy. Deak, G. Tudor, C. Cirstinoiu, A.S. Zamfir, B. Uritescu, G. Ghita, L.P. Georgescu, M. Raischi, D. Dumitru, A.M. Moncea, L. Laslo, **R. Szép**, Comparative analysis on water velocity distribution in the context of riverbed morphology changes and discharge variation, Journal of Environmental Protection and Ecology, Volume: 18, Issue: 4, Page: 1649-1657, 2017.	0.679	0.033
40	M. Ilie, F. Marinescu, **R. Szép**, G. Ghita, Gy. Deak, A.M. Anghel, A. Petrescu & B. Uritescu; Ecological risk assessment of heavy metals in surface sediments from the Danube river – Carpathian Journal of Earth And Environmental Sciences, Vol. 12, No. 2, p. 437 – 445, 2017.	0.671	0.117
41	Katalin Bodor, **Róbert Szép**, Zsolt Bodor, Examination of air pollutants and their risk for human health in urban and suburban environments for two Romanian cities: Brasov and Iasi, *Heliyon*, 9 (11) 2023, 10.1016/j.heliyon.2023.e21810	4.000	0.605
42	Bodor Katalin, **Szép Róbert**, Bodor Zsolt, Time series analysis of the air pollution around Ploiesti oil refining complex, one of the most polluted regions in Romania. *Scientific Reports,* 12, 11817, 2022.	4.600	1.129
43	Katalin BODOR, **Róbert SZÉP**, Zsolt BODOR, The human health risk assessment of particulate air pollution ($PM_{2.5}$ and PM_{10}) in Romania, *Toxicology Reports*, 9, 2022, 556-562.	-	-
44	Katalin BODOR, Zsolt BODOR, Alexandru SZÉP, **Róbert SZÉP***, Classification and hierarchical cluster analysis of principal Romanian bottled mineral waters, *Journal of Food Composition and Analysis*, 100, 2021, 103903.	4.520	0.559

45	**R. Szép**, E. Mateescu, A.C. Nechifor, Á. Keresztesi*, Chemical characteristics and source analysis on ionic composition of rainwater collected in the Carpathians "Cold Pole", Ciuc basin, Eastern Carpathians – Romania. Environmental Science and Pollution Research, Volume:24, Issue:35, Page: 27288-27302, 2017.	2.800	0.557
46	Bodor, K., Bodor, Z. & **Szép, R***. Spatial distribution of trace elements (As, Cd, Ni, Pb) from PM10 aerosols and human health impact assessment in an Eastern European country, Romania. Environ Monit Assess 193, 176 (2021). https://doi.org/10.1007/s10661-021-08931-4	3.307	0.481
	FI cumulat/ AIS cumulat	**111.904**	**15.615**
	*autor corespondent		
	§conform WoS		

Nr. crt.	ARTICOLE INDEXATE IN BAZE INTERNAȚIONALE DE DATE (BDI) și ISI Proceedings	TIP publicație
1	Florina-Diana Dumitru, Ana-Maria Panait, Marius-Viorel Olteanu, Elena Holban, György Deák, **Robert Szép,** Ágnes Keresztesi, Assessing the preservation state of a Romanian historic concrete icon – the Constanta Casino, Ecoterra, Volume: 14, Issue: 3, pp. 1-7, 2017.	BDI
2	Attila Korodi, Sandor Petres, Agnes Keresztesi, **Robert Szep**, Sustainable Development. Theory or practice?, Environmental Legislation, Multilateral Relations and Funding Opportunities, Volume: 17, Issue: 54, Page: 387-393, 2017	ISI Proceedings
3	Petres, S., Korodi, A., Keresztes, R., **Szép R,** Tendencies and particularities in thermic inversion episodes in the Ciuc Basin – Eastern Carpathians, Romania, Applied and Environmental Geophysics, Volume: 17, Issue: 14, Page: 445-452, 2017	ISI Proceedings
4	Simona Natalia Raischi, **Robert Szép**, Cristina Mihaela Balaceanu, Marius Raischi, Diana Dumitru, Andreea Moncea, Lucian Laslo, György Deák, Ágnes Keresztesi, Air pollution analysis in Moldova Noua waste dump, Ecoterra, Volume: 14, Issue: 2, Pages: 70-77, Published: June 2017	BDI
5	Borboly Csaba, **Szép Róbert**, Contamination /respectively pollution with pesticides of the soils in the plant protection center of Miercurea Ciuc, Annals of the University of Petrosani, Mining Engineering, Volume: 13, Pages: 314-322, 2012	BDI
6	**Szép R.**, Arad, V., Arad, S., Salcia energetică o oportunitate privind utilizarea terenurilor degradate din zonele miniere, Revista Minelor, Issue: 9-10, Pages: 53-56, 2008.	BDI
7	**Szép Robert**, Borboly Csaba, Victor Arad, Susana Arad, Reabilitation method of the areas wich are naturally contaminated with heavy elements in metaliferrous district of Bălan (România, Harghita, Eastern Carpathians) – immobilization with apatite, Ecology and Environmental Protection, Enviromental Legislation, Multilateral Relation and Funding Opportunities, Volume V – issn 1314-2704, page. 675 – 684, 2012, doi:10.5593/sgem, http://www.sgem.org/index.php/call-for-papers/impact-factor	ISI Proceedings
8	**Szép Robert**, Borboly Csaba, Victor Arad, Susana Arad, Utilization of the Chauvenet statistical test in environmental researches respectivly biogeochemical prospection for establishment of found value, threshold value and anomalous values, Ecology and Environmental Protection, Enviromental Legislation, Multilateral Relation and Funding Opportunities, Volume V, – issn 1314-2704, page. 995 – 1000, 2012, doi:10.5593/sgem.	ISI Proceedings
9	Radu Violeta-Monica, Ionescu Petra, **Szép Robert**, Tănase Georgiana Simona, Raischi Simona, Evaluation of priority hazardous substances present in the sediments of the lower Danube section using multivariate statistical analysis, Water Resources. Forest, Marine and Ocean Ecosystems, Volume 1, Page: 277-283, 2015. ISBN 978-619-7105-36-0, ISSN 1314-2704, DOI 10.5593/sgem	ISI Proceedings
10	Ionescu Petra, Radu Violeta-Monica, Szép Robert, Tănase Georgiana Simona, Boboc Mădălina, Characterization of metal flow dynamics along the lower section of Danube River using correlation algorithms. Water Resources. Forest, Marine and Ocean Ecosystems, Volume 1, Issue: 1, Page: 129-135, 2015. ISBN 978-619-7105-36-0, ISSN 1314-2704, DOI 10.5593/sgem	ISI Proceedings
11	Tiberius Danalache, Robert Szep, Alin Badilita, Madalina Georgiana Boboc, Stefan Diaconescu, Ecological assessment of lower Danube river baed on the ichthyifauna structure and composition. Water Resources. Forest, Marine and Ocean Ecosystems, Volume 1, Issue: 1, Page: 237-244 , 2015. ISBN 978-619-7105-36-0, ISSN 1314-2704, DOI 10.5593/sgem	ISI Proceedings

12	Katalin Bodor, Zsolt Bodor, Ágnes Keresztesi, **Róbert Szép**, PM_{10} concentration reduction due to the wet scavenging in the Ciuc Basin, Romania, *Acta Univ. Sapientiae, Agriculture and Environmnt*, **12** (2020) 1-8, DOI: 10.2478/ausae-2020-0001	BDI
13	Katalin Bodor, Zsolt Bodor, **Róbert Szép**, Alexandru Szép, Characterization of some bottled Romanian mineral waters on the basis of the total mineral content, *Acta Univ. Sapientiae, Alimentaria*, 13 (2020) 85-98, DOI: 10.2478/ausal-2020-0005	BDI
	Total articole indexate BDI și ISI proceedings	**13**

CRITERIUL 2: VIZIBILITATEA ARTICOLELOR ȘTIINȚIFICE

Indicele HIRSCH WoS (minim 4, fără autocitări)

Nr. crt.	ARTICOL CITAT/ARTICOL CARE CITEAZĂ
1	Robert Szép, Zsolt Bodor, Ildiko Miklossy, Ion-Andrei Nita, Oana A. Oprea, **Ágnes Keresztesi***, Influence of peat fires on the rainwater chemistry in intra-mountain basins with specific atmospheric circulations (Eastern Carpathians, Romania), Science of the Total Environment, Volume 647, Issue 1, Pages: 275-289, 2019. 1. Liyanage, Sithumi & Priyantha, Namal & Dharmapriya, Thakshila & Dharaka, Punsara & Deeyamulla, Mahendra. (2023). Chemical Composition of Rainwater at Three Sites in Kandy/Peradeniya, Sri Lanka, and its Effect on Air Pollution. 10.2139/ssrn.4415802. 2. Ariffin N, Juahir H, Umar R, Makhtar M, Hanapi NHM, Ismail A, Zali MA. Comparison of rainwater quality before and during the MCO using chemometric analyses. Environ Sci Pollut Res Int. 2023 May;30(21):61089-61105. doi: 10.1007/s11356-023-26665-3. Epub 2023 Apr 13. PMID: 37052834; PMCID: PMC10097515. 3. Vega, Elizabeth & Wellens, Ann & Alarcón, Ana & Sosa-Echeverría, Rodolfo & Solano, Monica & Jaimes-Palomera, Monica. (2023). Spatiotemporal Variations in Chemical Composition of Wet Atmospheric Deposition in Mexico City. Aerosol and Air Quality Research. 23. 230023. 10.4209/aaqr.230023. 4. Rahimi, Setareh & Malakooti, Hossein & Bidokhti, A.A.. (2023). Investigation of the chemical nature of precipitation and source apportionment of its constituents in Tehran metropolis, Iran. 10.1016/j.envres.2023.115587. 5. Heydarizad, M.; Gimeno, L.; Amiri, S.; Minaei, M.; Mohammadabadi, H.G. A Comprehensive Overview of the Hydrochemical Characteristics of Precipitation across the Middle East. *Water* **2022**, *14*, 2657. https://doi.org/10.3390/w14172657. 6. Kumar, R., Kumar, R., Singh, A. *et al.* Chemometric approach to evaluate the chemical behavior of rainwater at high altitude in Shaune Garang catchment, Western Himalaya. *Sci Rep* **12,** 12774 (2022). https://doi.org/10.1038/s41598-022-15422-0. 7. Zhong, Y., Li, X., Fan, Z., Ayitken, M., Li, S. and Liu, X., 2022. Chemical Composition Characteristics and Source Contributions of Precipitation in Typical Cities on the North Slope of Tianshan Mountain in Xinjiang during 2010–2019. *Atmosphere*, *13*(5), p.646. 8. Chang, C.T., Yang, C.J., Huang, K.H., Huang, J.C. and Lin, T.C., 2022. Changes of precipitation acidity related to sulfur and nitrogen deposition in forests across three continents in north hemisphere over last two decades. *Science of the Total Environment*, *806*, p.150552. 9. Ahmady-Birgani, H., Ravan, P., Simon Schlosser, J., Cuevas-Robles, A., AzadiAghdam, M. and Sorooshian, A., 2021. Is There a Relationship between Lake Urmia Saline Lakebed Emissions and Wet Deposition Composition in the Caucasus Region?. *ACS Earth and Space Chemistry*, *5*(10), pp.2970-2985. 10. Peikam, E.N. and Jalali, M., 2021. Chemical composition of rainwater at an urban and two rural stations in the west of Iran, Hamedan. *Environmental Earth Sciences*, *80*(17), pp.1-17. 11. Pereira, J.N.; Fornaro, A.; Vieira-Filho, M. Source Apportionment of Atmospheric Deposition Species in an Agricultural Brazilian Region Using Positive Matrix Factorization. *Environ. Sci. Proc.* **2021**, *8*, 9. https://doi.org/10.3390/ecas2021-10698 12. Chung-Te Chang, Ci-Jian Yang, Ko-Han Huang, Jr-Chuan Huang, Teng-Chiu Lin, Changes of precipitation acidity related to sulfur and nitrogen deposition in forests across three continents in north hemisphere over last two decades, Science of The Total Environment, Volume 806, Part 1, 2022, 150552, ISSN 0048-9697, https://doi.org/10.1016/j.scitotenv.2021.150552.

13. Elahe Naderi Peikam, Mohsen Jalali, Chemical composition of rainwater at an urban and two rural stations in the west of Iran, Hamedan, Environmental Earth Sciences, (2021) 80:605 https://doi.org/10.1007/s12665-021-09865-3.
14. Shaorun Lin, Yanhui Liu, Xinyan Huang, Climate-induced Arctic-boreal peatland fire and carbon loss in the 21st century, Science of The Total Environment, 2021, 148924, ISSN 0048-9697, https://doi.org/10.1016/j.scitotenv.2021.148924.
15. Jie Zeng, Guilin Han, Rainwater chemistry observation in a karst city : variations, influence factors, sources, and potential environmental effects, PeerJ 9:e11167, 2021, DOI: 10.7717/peerj.11167
16. Bartos, Hunor; Balázs, Márta; Kuzman, Ildikó H.; Lányi, Szabolcs; Miklóssy, Ildikó. 2021. "Production of High Added-Value Chemicals in *Basfia succiniciproducens*: Role of Medium Composition" *Sustainability* 13, no. 6: 3513. https://doi.org/10.3390/su13063513
17. A Review of Smoldering Wildfire: Research Advances and Prospects, Huang, X.-Y., Lin, S.-R., Liu, N.-A.*Kung Cheng Je Wu Li Hsueh Pao/Journal of Engineering Thermophysics.*
18. Jie Zeng, Guilin Han, Rainwater Chemistry Reveals Air Pollution in a Karst Forest: Temporal Variations, Source Apportionment, and Implications for the Forest, Atmosphere, 11(12), 1315, 2020. https://doi.org/10.3390/atmos11121315
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	Indice H = 13

CRITERIUL 3: CAPACITATEA DE SUSȚINERE A ACTIVITĂȚILOR DE CERCETARE

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Nr. crt.	LIDER/DIRECTOR DE PROIECT ÎN GRANTURI INTERNAȚIONALE CÂȘTIGATE PRIN CONCURS	SUMA	DURATA (LUNI)	FUNCȚIA
1	Contract nr. SEE/A/080/2.4/X Proiect: WideTheSEEbySuccMod	150.000 €	24	Proiect manager
2	Contract nr. SAVE 4.1031/A/02-002 Proiect: Save Agency	85.508 €	36	Proiect manager
3	Contract nr. ES/05/B/F/PP-149315 Proiect: Leonardo da Vinci – E-SUN	43.531 €		Proiect manager
4	Contract nr. EIE/06/209/SI2.448705 Proiect: Energy Trophy+ Competition	35.673 €	38	Proiect manager
5	Contract nr. EIE/05/210/SI2.420236 Proiect: RESINBUIL – Introduction of RES in Building sector	18.936 €	25	Proiect manager
6	Contract nr. EIE/05/094/SI2.419551 Proiect: e-TREAM, e-learning tool for training Energy Agencies in mobility management and alternative fuels	13.028 €	32	Proiect manager

Nr. crt.	LIDER/DIRECTOR DE PROIECT ÎN GRANTURI NATIONALE CÂȘTIGATE PRIN CONCURS	SUMA	DURATA (LUNI)	FUNCȚIA
1	**Contract Nr. 304/321/18.05.2011** Programul Operațional Sectorial Creșterea Competitivității Economice, axa prioritară – Tehnologia Informației și Comunicațiilor pentru sectoarele privat și public; domeniul major de intervenție – Dezvoltarea și Creșterea Eficienței Serviciilor Publice Electronice; – Realizarea și implementarea unui sistem complex e-guvernare la Consiliul Județean Harghita;	6.062.626, 60 RON	28	Director/Manager Proiect
2	**Contract Nr. 16.3.4/17.09.2019** "Planul sectorial pentru cercetare-dezvoltare din domeniul agricol și de dezvoltare rurală al Ministerului Agriculturii și Dezvoltării Rurale pe anii 2019-2022" – ADER 16.3.4: Studii și cercetări privind dezvoltarea fermelor și gospodăriilor țărănești montane prin optimizarea utilizării pajiștilor silvo-pastorale bazată pe amenajarea, evaluarea valorii nutritive și a capacității de încărcare a acestora pe specii de animale, bovine, ovine, caprine, existente la nivel local, comparativ cu rasele specializate.	900.000 RON total proiect din care **164.611 RON** pentru partener	37	Responsabil de proiect

ÎNDEPLINIREA STANDARDELOR MINIMALE

		Nr. puncte candidat	Nr. puncte minime
Criteriul 1	Nr. total articole în reviste ISI ca autor principal/corespondent	**22**	5
	AIS (5 articole)	**5.754**	3.5
	Număr total articole în reviste BDI/ISI proceedings	**13**	3
Criteriul 2	Indicele Hirsch (se exclud autocitările)	**13**	4
Criteriul 3	Proiecte de cercetare	Director/manager de proiect **6 internațional 2 național**	Director/Manager 2 național sau Director/Leader 1 internațional

Standardele minimale sunt îndeplinite.

Miercurea Ciuc, 13.03.2024.

CS I dr. ing. Szép Robert Eugen