

## LISTA DE LUCRĂRI

### Publicații ISI

1. 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> (FI = 5.878, AIS = –)
2. 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. (FI = 2.914, AIS = 0.539)
3. 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, June 2020, 104846, <https://doi.org/10.1016/j.atmosres.2020.104846>. (FI = 4.114, AIS = 0.934)
4. 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*, In press, 2020. (FI = 1.460, AIS = 0.208)
5. 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*, In press, 2020. (FI = 1.460, AIS = 0.208)
6. 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). (FI = 1.460, AIS = 0.208)
7. Eszter Rápó, Katalin Posta, Maria Suciu, **Robert Szép**, Szende Tonk, Adsorptive Removal of Remazol Brilliant Violet-5R Dye from Aqueous Solutions using Calcined Eggshell as Biosorbent, *Acta Chim. Slov.*, 2019, 66, 648–658. (FI = 1.104, AIS = 0.151)
8. **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. (FI = 5.589, AIS = 1.032)

9. **Robert Szép**, Elena Mateescu, Ion-Andrei Nita, Marius-Victor Birsan, Zsolt Bodor, Ágnes Keresztesi, 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. (FI = 4.114, AIS = 0.934)
10. **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. (FI = 2.800, AIS = 0.557)
11. 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. (FI = 1.605, AIS = 0.052)
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13. **Szép, R.**, Keresztes, R., Tonk, Sz., Korodi A., Craciun, M.E., - 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. (FI = 1.412, AIS = 0.047)*
14. **Szép, R.**, Keresztes, R., Korodi A., Tonk, Sz., Niculae, A.G., Barloiu, A.M., Dew point – indirect particulate matter pollution indicator in the Ciuc basin – Harghita, Romania - *Revista de Chimie*, Volume: 67, Issue: 10, Page: 1914-1921, 2016. (FI = 1.412, AIS = 0.047)
15. **Szép, R.**, Keresztes, R., Deák, Gy., Tobă, F., Ghimpușian, M. - 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. (FI = 1.412, AIS = 0.047)
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- 19. Ondrej HEGEDŰS, Zuzana ŠMOTLÁKOVÁ, Alžbeta HEGEDŰSOVÁ, Jarmila DUBAJOVÁ, Alena ANDREJIOVÁ, Silvia JAKABOVÁ, SZENDE TONK, **SZÉP RÓBERT**, Tímea PERNYESZI, Determination of Isocyanates in Workplace Atmosphere by HPLC, *Revista de Chimie*, Volume: 69, Issue: 2, Page: 625-630, 2018. (FI = 1.605, AIS = 0.052)
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- 23. C. Tociu, **Robert Szép**, A. M. Anghel, F. Marinescu, M. Ilie, E. Holban, M. Matei, Gina 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. (FI = 0.679, AIS = 0.033)
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- 25. Maria Vlad , Mihaela-Andreea Mîțiu, Ana-Maria Anghel, Lucian Laslo, Mihaela Ilie, **Robert Szép**, Gina Ghita, Monica Matei, Elena 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. (FI = 0.679, AIS = 0.033)
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- 27. Mihaela Ilie, Florica Marinescu, **Robert Szep**, Gina Ghita, György Deak, Ana-Maria Anghel, Alexandru Petrescu & Bogdan Uritescu; Ecological risk assessment of heavy metals in surface sediments from the Danube river – Carpathian Journal of Earth And Environmental Sciences, July 2017, Vol. 12, No. 2, p. 437 - 445. (FI = 0.671, AIS = 0.117)
- 28. **Robert SZÉP** & László MÁTYÁS - The role of regional atmospheric 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. (FI = 0.671, AIS = 0.102)

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2. 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.
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