Lista de lucrări în domeniul de ştiinţă definit de disciplinele din postul scos la concurs

NUMELE ŞI PRENUMELE: SZÉP RÓBERT-EUGEN

I. LISTA PUBLICAȚIILOR RELEVANTE

Szép R., Mateescu E., Nechifor A.C., Keresztesi Á.: 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, DOI: 10.1007/s11356-017-0318-2

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

Szép Robert, Bodor Zsolt, Miklossy Ildiko, 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. DOI: https://doi.org/10.1016/j.scitotenv.2018.07.462

Keresztesi Á., Birsan M.V., Nita I.A., Bodor Zs., **Szép R.**, Assessing the neutralisation, wet deposition and source contributions of the precipitation chemistry over Europe during 2000–2017, *Environmental Sciences Europe*, vol. 31, Article number: 50, 2019. https://doi.org/10.1186/s12302-019-0234-9

Keresztesi Á., Nita I.A., Birsan M.V., Bodor Zs., **Szép R.**: 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*, 2020. https://doi.org/10.1007/s11356-019-07478-9

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). *Environmental Science and Pollution Research*, 2020. https://doi.org/https://doi.org/10.1007/s11356-020-09838-2.

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.

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.

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.

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

II. LISTA COMPLETĂ DE PUBLICAȚII, CREAȚII, INVENȚII

A. Teza de doctorat.

Cercetări privind reabilitarea ecologică a perimetrului minier Bălan, Harghita, Victor Arad, Foarte bine

B. Cărti publicate și capitole de cărţi publicate în ţară

A.S. Bădărău, M.I. Bărbos, R. Burlacu, C.M. Ciocănea, L. Ciornei, ..., **R. E. Szép**, Cartarea Ecosistemelor Naturale și Seminaturale Degradate, Editura Academiei Române, București, 2018, ISBN 978-973-27-2902-1

S. Avram, A.M. Corpade, C. Corpade, A. Croitoru, S. Dedu, C. Gheorghe, C.V. Maloș, N. Manta, M. I. Niculae, I. Onițel, I.S. Pacu, M. Robu, A. Roman, C. Samoila, A. Sin-Schneider, **R. Szép** et al., Atlasul Ecosistemelor Degradate din România, Editura Academiei Române, București 2021, ISBN 978-973-27-3332-5.

B, Roșca, L. Niacșu, **R. Szép,** Particularități pedogenetice în aria vulcanică a Harghitei și Depresiunea Ciucului, Ghidul celei de-a XXXIV-a ediții a simpozionului „Factori și procese pedogenetice din zona temperatură" Miercurea Ciuc, octombrie 2025, Editura Universității „ Alexandru Ioan Cuza" din Iași, 2025, ISBN: 978-606-714-949-4

C. Lucrări ştiinţifice publicate

C1. Lucrări ştiinţifice publicate în reviste cotate ISI

1. **Szép R.**, Mátyás L.: 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

2. **Szép R.,** Mátyás L., Keresztes R., Ghimpusan M.: 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.

3. **Szép R.,** Keresztes R., Constantin L.: 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

4. **Szép R.,** Keresztes R., Deák Gy., Tobă F., Ghimpusan 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

5. **Szép R.,** Keresztes R., Korodi A., Tonk Sz.: Dew point – indirect particulate matter pollution indicator in the Ciuc basin – Harghita, Romania – *Revista de Chimie*, Volume: 67, Issue: 10, Page: 1914-1921, 2016

6. **Szép R**., Keresztes R., Korodi A., Tonk Sz.: 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

7. Holban E., Matei M., Gina G., Raischi M., Fronescu S., Daescu A., Petrache G.I., Ilie M., **Szép R.**, Moncea A., Marinescu F., Tociu C.: 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

8. Tociu C., **Szép R.**, Anghel A.M., Marinescu F., Ilie M., Holban E., Matei M., Ghita G., Popescu I., Moncea A., Laslo L., Daescu A.I.: 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

9. Anghel A.M., Marinescu F., Ilie M., Ghiță G., Ionescu P., Mărcuș I., Tociu C., Moncea A., Mîțiu M., Popescu I., **Szép R.**, Laslo L., Holban E.: 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

10. Marcus M.I., Vlad M., Mîțiu M.A., Anghel A.M., Laslo L., Ilie M., **Szép R.**, Ghita G., Matei M., Holban E., Dumitru F.D.: Recovery of galvanic sludge by psicho-chemical mechanism, *Journal of Environmental Protection and Ecology*, Volume: 18, Issue: 3, Page: 1117-1126, 2017

11. Nicolae A., Deak Gy., Tudor G., Cirstinoiu C., Zamfir A.S., Uritescu B., Ghita G., Georgescu L.P., Raischi M., Dumitru D., Moncea A.M., Laslo L., **Szép R.**: 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

12. Tonk Sz., Majdik C. **Szép R.,** Suciu M., Rápó E., Boldizsár N.: 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

13. **Szép R**., Keresztes R., Korodi A., Tonk Sz.: Study of air pollution and atmospheric stability in Ciuc basin – Romania, *Revista de Chimie*, Volume: 68, Issue: 8, Page: 1763-1767, 2017

14. Ilie M., Marinescu F., **Szep R.**, Ghita G., Deak Gy., Anghel A.M., Petrescu A., Uritescu B.; 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.

15. **Szép R.**, Mateescu E., Nechifor A.C., Keresztesi Á.: 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, DOI: 10.1007/s11356-017-0318-2

16. Hegedűs O., Šmotlákova Z., Hegedűsova A., Dubajová J., Andrejiová A, Jakabová S., Tonk Sz., **Szép R.**, Pernyeszi T.: Determination of Isocyanates in Workplace Atmosphere by HPLC, *Revista de Chimie*, Volume: 69, Issue: 2, Page: 625-630, 2018

17. Török A., Boldizsár N., Tonk Sz., Buta E., **Szép R.**, Majdik C., Niculae A.G.: Crystal violet dye removal from aqueous solutions using Elodea canadensis as biofilter, *Revista de Chimie*, Volume: 68, Issue: 10, Page: 2270-2275, 2017

18. Keresztesi A., Petres S., Ghita G., Dumitru F.D., Moncea M.A., Ozunu A.**, Szép R.**: 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

19. **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

20. **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. DOI: https://doi.org/10.1016/j.scitotenv.2018.07.462

21. Rápó E., **Szép R.**, Keresztesi Á., Suciu M., Tonk Sz, Adsorptive Removal of Cationic and Anionic Dyes from Aqueous Solutions by Using Eggshell Household Waste as Biosorbent, *Acta Chimica Slovenica*, vol. 65, pages, 2018. DOI: 10.17344/acsi.2018.4401

22. Birsan M.V., Micu D.M., Nita I.A., Mateescu E., **Szép R.**, Keresztesi Á.: Spatio-temporal changes in annual temperature extremes over Romania (1961-2013), *Romanian Journal of Physics*, vol. 64 (7-8), article ID: 816, 2019.

23. Rápó E., Posta K., Suciu M., **Szép R.**, Tonk Sz.: Adsorptive Removal of Remazol Brilliant Violet-5R Dye from Aqueous Solutions using Calcined Eggshell as Biosorbent, *Acta Chimica Slovenica*, vol. 66, 648-658, 2019.

24. Keresztesi Á., Birsan M.V., Nita I.A., Bodor Zs., **Szép R.**, Assessing the neutralisation, wet deposition and source contributions of the precipitation chemistry over Europe during 2000–2017, *Environmental Sciences Europe*, vol. 31, Article number: 50, 2019. https://doi.org/10.1186/s12302-019-0234-9

25. Ciocănea C.M., Corpade P.C., Onose D. A., Vânău G.O., Malos C., Petrovici M., **Szep R. E.**: The assessment of lotic ecosystems degradation using multi-criteria analysis and GIS techniques. *Carpathian Journal of Earth and Environmental Sciences*, vol. 14(2), 255-268, 2019.

26. Keresztesi Á., Nita I.A., Birsan M.V., Bodor Zs., **Szép R.**: 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*, 2020. https://doi.org/10.1007/s11356-019-07478-9

27. Keresztesi Á, Nita I.A., Birsan M.V., Bodor Zs., Pernyeszi T., Micheu M.M., **Szép R.**: Assessing the variations in the chemical composition of rainwater and air masses using the zonal and meridional index, *Atmospheric Research*, vol. 237, Article ID: 104846, 2020. https://doi.org/10.1016/j.atmosres.2020.104846

28. Birsan M.V., Nita I.A., Craciun A., Sfîcă L., Radu C., **Szep R.,** Keresztesi Á., Micheu M.M.: Observed changes in mean and maximum monthly wind speed over Romania since AD 1961. *Romanian Reports in Physics*, vol. 72, Article ID: 702, 2020.

29. Nita I.A., Sfica L., Apostol L., Radu C., Keresztesi Á., **Szep R.**: Changes in cyclone intensity over Romania according to 12 tracking methods. *Romanian Reports in Physics*, vol. 72, Article ID: 706, 2020.

30. Bodor K., Bodor Zs., **Szép R.**: The Trend of Trace Elements (Cd, Ni, Pb) from PM2.5 and PM10 Aerosols and its Effect on Human Health in Bucharest, Romania, *Revista de Chimie*, vol. 71(3), 433-439, 2020.

31. Rápó E., Aradi L.E., Szabó Á, Posta K., **Szép R.**, Tonk Sz.: Adsorption of Remazol Brilliant Violet-5R Textile Dye from Aqueous Solutions by Using Eggshell Waste Biosorbent, *Scientific Reports*, vol. 10 (8385), 2020.

32. Keresztesi Á., Nita I.A., Boga R., Birsan M.V., Bodor Z., **Szép R.**: Spatial and long-term analysis of rainwater chemistry over the conterminous United States. *Environmental Research*., vol. 188, Article ID: 109872, 2020. https://doi.org/10.1016/j.envres.2020.109872.

33. 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). *Environmental Science and Pollution Research*, 2020. https://doi.org/https://doi.org/10.1007/s11356-020-09838-2.

34. Micheu M.M., Birsan M.V., **Szép R.**, Keresztesi Á., Nita I.A.: From air pollution to cardiovascular diseases: the emerging role of epigenetics. *Molecular Biology Reports,* 2020. https://doi.org/10.1007/s11033-020-05570-9

35. Boga R., Ágnes Keresztesi Á, Bodor Zs., Miklóssy I., Nita I.A., Birsan M.V., Micheu M.M., **Szép R.**: Influence of rising air temperature and solar radiation on the tropospheric ozone in the Ciuc basin, Romania. *Romanian Journal of Physics*, vol. 66, Article ID: 805, 2021.

36. Micheu M.M., Birsan M.V., Nita I.A., Andrei M.D., Nebunu D., Acatrinei C., Sfîcă L., **Szép R.**, Keresztesi Á, F-dez de Arróyabe Hernáez P., Onciul S., Scafa-Udriste A., Dorobantu M.: Influence of meteorological variables on people with cardiovascular diseases in Bucharest, Romania (2011-2012). *Romanian Reports in Physics*, vol. 73, 2021.

37. Bodor K., Micheu M.M., Keresztesi Á., Birsan M.V., Nita I.A., Bodor Zs., Petres S., Korodi A., **Szép R.:** Effects of PM10 and Weather on Respiratory and Cardiovascular Diseases in the Ciuc Basin (Romanian Carpathians). *Atmosphere*, vol. 12, article number: 289, 2021. https://doi.org/10.3390/atmos12020289

38. Boga R., Keresztesi Á., Bodor Zs., Tonk Sz., **Szép R.,** Micheu M.M., 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

39. 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).

40. Bodor K., Bodor Zs., 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

41. 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.

42. 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.

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. 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.

45. Bodor Katalin, **Szép Róbert**, Keresztesi Ágnes, Bodor Zsolt, Temporal evolution of $PM_{2.5}$, PM_{10}, and total suspended particles (TSP) in the Ciuc basin (Transylvania) with specific microclimate condition from 2010 to 2019. *Environ Monit Assess*. 2023 Jun 2;195(7):798. doi: 10.1007/s10661-023-11407-2.

46. Katalin Bodor, Bernadett Tokos, Zsolt Bodor, Ágnes Keresztesi, Szilvia László, George Garbacea, **Róbert Szép**, Hydro-geochemical characterization of the main European mineral water brands, *Journal of Food Composition and Analysis*, Volume 122, 2023, 105438, https://doi.org/10.1016/j.jfca.2023.105438.

47. 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, Volume 9, Issue 11, 2023, e21810, ISSN 2405-8440, https://doi.org/10.1016/j.heliyon.2023.e21810.

48. Bodor Katalin, Tamási Borbála, Keresztesi Ágnes, Bodor Zsolt, Orbán Kálmán Csongor, Szép Róbert, A comparative analysis of the nutritional composition of several dairy products in the Romanian market, Heliyon, DOI: 10.1016/j.heliyon.2024.e31513

49. Bodor Katalin, Tamási Borbála, Len Adél, Keresztesi Ágnes, Szép Róbert, Bodor Zsolt, Investigation of the properties of different potato varieties and analysis of the starch structure, Applied Food Research DOI: https://doi.org/10.1016/j.afres.2025.100998

50. Bodor Katalin, Tamási Borbála, Keresztesi Ágnes, Bodor Zsolt, Orbán Kálmán Csongor, Szép Róbert, A comparative analysis of the nutritional composition of several dairy products in the Romanian market, Heliyon, DOI: 10.1016/j.heliyon.2024.e31513

51. Bodor Katalin, Tamási Borbála, Len Adél, Keresztesi Ágnes, Szép Róbert, Bodor Zsolt, Investigation of the properties of different potato varieties and analysis of the starch structure, Applied Food Research DOI: https://doi.org/10.1016/j.afres.2025.100998

52. Csaba Attila Kósa, Lea Lénárt, Imre Biksi, Róbert Szép, Ágnes Keresztesi, Mircea Mircean, Marian Taulescu, Orsolya Kutasi, Genetic background of the Transylvanian endemic equine recurrent rhabdomyolysis, Acta Veterinaria Hungarica, DOI: https://doi.org/10.1556/004.2026.01199

53. Radu Gabriel Pîrnău, Bogdan Roșca, Ionuț Vasiliniuc, Cristian Vasilică Secu, Cristian Valeriu Patriche, Ágnes Keresztesi, Róbert Szép, Pedogenic controls on organic carbon accumulation in Phaeozem and Histosol profiles of the Ciuc intramontane depression, Eastern Carpathians, Romania, Discover Soil, 2026, 3, 163, https://doi.org/10.1007/s44378-026-00322-w

54. Octavian Pacioglu, Róbert Szép, Mirco Bundschuh, Eric Bollinger, Alexander Feckler, Ralf Schulz, Marian Necula, Iris M Tuşa, Alin Tudorache, Constantin Marin, Corina Iţcuş, Gabriel-Ionut Plăvan, Fehmi Boufahja, Petre Bogdan Gheorghe, Ionuţ Popa, Ştefan C Baba, Ecological differentiation across an epigean–hypogean gradient in the karst amphipod Niphargus pannonicus (Crustacea: Amphipoda), Global Ecology and Conservation, 2026,69, e04322m DOI:10.1016/j.gecco.2026.e04322

D. Traduceri de cărţi, capitole de cărţi, alte lucrări ştiinţifice

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E. Editare, coordonare de volume

B. Roșca, L. Niacșu, R. Szép., Particularități pedogenetice în aria vulcanică a Harghitei și Depresiunea Ciucului, Editura Universității ”Alexandru Ioan Cuza” din Iași, Iași, 2025, ISBN 978-606-714-949-4

F. Brevete de invenții și alte titluri de proprietate

RO136002(A0) – 2022-09-0 **Rover Autonom pentru Colectarea și Raportarea Valorilor Calității Aerului,**

G. Contracte de cercetare (menţionaţi calitatea de director sau membru)

1. **Responsabil proiect 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”, valoare proiect 900.000 RON total proiect, din care 164.611 RON pentru partener.

2. **Responsabil proiect ADER 5.2.1.** - “Cercetări privind perfecționarea sistemului de monitorizare, prevenire și control a principalelor boli bacteriene și dăunători de carantină care afectează producerea cartofului în România, Clavibacter, Ralstonia, Synchitrium endobioticum, Dithylenchus sp”.

3. **Responsabil proiect ADER 5.2.2.** - “Cercetări privind elaborarea unui sistem inovativ de monitorizare a afidofaunei şi a sistemelor de monitorizare, control şi testare a calităţii biologice la cartoful de sămânţă”.

4. **Responsabil proiect ADER 7.3.15**. - “Stabilirea măsurilor și mijloacelor de prevenire și combatere integrată a dăunătorului Tuta absoluta, molia minieră la culturile de tomate în spații protejate”.

5. **Responsabil proiect ADER 13.1.1.** – ”Cercetări privind ameliorarea, protecţia şi conservarea resurselor genetice din apele interioare şi din acvacultura României”.

6. **Director proiect ADER 23.1.3. –** ”Evaluarea și creșterea viabilității unor specii de polenizatori din zonele Carpatice”, valoare proiect 1.100.000 RON.

7. **Membru proiect - ADER:** Studiul modificării fenologiei culturilor de cartof în zonele montane în contextul schimbărilor climatice. Contract 5.1.5/17.07.2023 1.100.000 RON

8. **Membru proiect - ADER** - Studii privind variaţia spaţio-temporală a chimismului precipitaţiilor din Carpaţi şi aportul ionic asupra pajiştilor montane. Contract 23.1.2/14.07.2023 - 1.100.000 RON

9. **Membru proiect - ADER** - Monitorizarea stării de conservare a biodiversității vegetale din agroecosistemele zonelor umede la nivel național, cuprinse în măsura GAEC 2-Planul National Strategic-. Contract 23.1.5/13.07.2023 - 1.200.000 RON

Expert de mediu (ianuarie 2015 – august 2016) - Institutul National de Cercetare-Dezvoltare pentru Protectia Mediului - Programul Operaţional Sectorial Transport - ”Monitorizarea impactului asupa mediului a lucrărilor de îmbunătăţire a condiţiilor de navigaţie pe Dunăre între Călăraşi şi Brăila, între km 175 şi km 375” 2011-2017

Hidrogeolog - Studiul fizico-chimic şi microbiologic al sistemului de apă potabilă al fabricii de bere de la Sânsimion al companiei Sc. Lixid Project SRL. Nr. inreg. Univ. Sapientia: 57/23.01.2015, Perioada: 23.01.2015 – 31.07.2015. Szerződő felek. Sapientia EMTE -Sc. Lixid Project SRL

Hidrogeolog - Studiul fizico-chimic şi microbiologic şi igienico-sanitar la noua fabrică de bere de la Sânsimion. Nr. de inregistrare Univ. Sapientia: 231/11.12.2015, Perioada: 11.12.2015 – 31.05.2016, Szerződő felek. Sapientia EMTE - Sc. Xindex Eco SRL

III. RECUNOAȘTEREA

I. Premii, distincţii.

1. Ilie M., **Szep R**., Marinescu F., Ghita G., Deak Gy., Petrescu A., Anghel A.M., Uritescu B., Raischi M., Savin I., Ecological risk assessment of heavy metals in surface sediments from the Danube River, 1st International Conference on „Ecology and Protection of Marine and Freshwater Environments” ECOPROWATER 2015, October 1-3, 2015 at Viterbo – Italy, pg.56, **Premiul I la secțiunea de prezentare postere**

2. **AUR Euroinvent** - Ilie Andrei-Gabriel, Deák György, **Szép Róbert-Eugen**, Keresztesi Ágnes-Zsuzsa, Gold medal, 14 editon of 2022 Euroinvent European Exhebition of Creativiti and Innovation, 28.05.2022

3. **Premiu de excelență** EUROinvent - **Szép Róbert**, Keresztesi Ágnes, Deák György, Matei Monica, Gold medal, 16th editon of 2024 Euroinvent European Exhebition of Creativiti and Innovation, 08.06.2024

J. Citări

Citări Google Scholar
Citări: 1674
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Citări Scopus
Citări: 1276
h-index=20

Proiecte de cercetare dezvoltare inovare
– manager de proiect, director de proiect, responsabil proiect -13
– membru în echipe de proiect - 4

Data, 10.10.2026 **Semnătura,**