

## Lista de publicații

Șef lucrări/lector dr. **Kis Boglárka Mercedesz**

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**Teza de doctorat:** **Kis Boglárka Mercedesz**, 2014, Hydrogeochemistry of mineral waters from the Eastern Carpathians-Transylvanian Basin boundary, PhD Thesis, Babes-Bolyai University, Faculty of Environmental Science and Engineering, Cluj-Napoca, Romania.

### Capitole de cărți:

1. Jánosi, Cs., Szakáll S., **Kis B.M.**, Kristály F., Harangi Sz., Péter É. **2022**, Minerals, Mofettes, Mineral Waters and Spa Culture at Ciomadul, In Karátson D., Veres, D., Gertisser, R., Magyar E.K., Jánosi Cs., Hamback U. Eds., Ciomadul (Csomád), the youngest volcano in the Carpathians, Volcanism, Palaeoenvironment, Human Impact, Springer, Switzerland, pg. 121-145, <https://doi.org/10.1007/978-3-030-89140-4>
2. **Kis, B.M.**, Palcsu L. **2022**, A Szent Anna-tó vizének stabilizotóp-összetétele, In Máthé I., Vörös L. Eds. A gyorsan változó Szent Anna-tó, Erdélyi Múzeum-Egyesület, Cluj-Napoca, pg. 51-53.
3. Czellecz B., **Kis, B.M.**, Koch A., Entstehung und Zusammensetzung von natürlichen Mineralwassern, In Barnikel F., Vetter, M., **2015**, Diercke Ressource Wasser Methoden und Aufgaben, Bildungshaus Schulbuchverlage Westermann, ISBN 978-3-14-109804-4

### Publicații în reviste indexate ISI

1. **Kis, B.M.**, Szalay, R., Aiuppa, A., Bitetto, M., Palcsu, L., Harangi, Sz. **2022**, Compositional measurement of gas emissions in the Eastern Carpathians (Romania) using the Multi-GAS instrument: Approach for in situ data gathering at non-volcanic areas, **Journal of Geochemical Exploration**, 240, 107051, <https://doi:10.1016/j.geoexpl.2022.107051> , IF. **4.166** WOS: 000888208500004  
*Atribuții personale: elaborarea lucrării, măsurători și prelevare de probe pe teren, procesarea și interpretarea datelor.*
2. Tămaș, D., **Kis, B.M.**, Tămaș, A., Szalay, R. **2022**, Identifying CO<sub>2</sub> seeps in a long-dormant volcanic area using uncrewed aerial vehicle-based infrared thermometry: a qualitative study, **Sensors**, 22, 2719, <https://doi: 10.3390/s22072719>, IF. **3.85** WOS: 000781401700001  
*Atribuții personale: elaborarea lucrării, măsurători și prelevare de probe pe teren, interpretarea datelor.*
3. Molnár, K., Czuppon, Gy., Palcsu L., Benkó Zs., Lukács, R., **Kis, B., M.**, Németh B., Harangi, Sz. **2021**, Noble gas geochemistry of phenocrysts from the Ciomadul volcanic dome field (Eastern Carpathians), **Lithos**, 394-395, 106152, <https://doi: 10.1016/j.lithos.2021.106152>, IF: **4.020** WOS: 000674568300005

*Atribuții personale: elaborarea lucrării, măsurători și prelevare de probe pe teren, interpretarea datelor.*

4. **Kis, B., M.**, Baciuc, C., Zsigmond, A-R., Kékedy-Nagy, L., Kármán, K., Palcsu, L., Máthé, I., Harangi, Sz. **2020**, Constraints on the hydrogeochemistry and origin of the CO<sub>2</sub>-rich mineral waters from the Eastern Carpathians-Transylvanian Basin boundary (Romania), **Journal of Hydrology**, 591, 125311, doi: 10.1016/j.jhydrol.2020.125311, **IF: 4.5**, WOS: 000599757800030.

*Atribuții personale: elaborarea lucrării, măsurători și prelevare de probe pe teren, procesarea și interpretarea datelor*

5. **Kis, B., M.**, Caracausi, A., Palcsu, L., Baciuc, I., Ionescu, A., Futó I., Sciarra, A., Harangi, Sz., **2019**, Noble gas and carbon isotope systematic at the seemingly inactive Ciomadul volcano (Eastern-Central Europe, Romania). **Geochemistry, Geophysics, Geosystems**, **20**, **6**, **3019-3043**, **IF: 2.98**, WOS: 000477582400026.

*Atribuții personale: elaborarea lucrării, măsurători și prelevare de probe pe teren, procesarea și interpretarea datelor.*

6. Sârbu, M.S., Aerts, J.W., Flot, J.F., Van Spanning, R.J.M, Baciuc, C., Ionescu, A., **Kis, B.M.**, Incze, R., Siko-Barabasi, S., Para, Z., Hegyeli, B., Atudorei, N.V., Barr, C., Nealon, K., Forray, F., Lascu, C., Fleming, E.J., Bitter, W., Popa, R., **2018**, Sulfur Cave (Romania), an extreme environment with microbial mats in CO<sub>2</sub>-H<sub>2</sub>S/O<sub>2</sub> gas chemocline dominated by mycobacteria. **International Journal of Speleology**, 47, 2, **IF.1.439**, WOS: 000433047000007.

*Personal duties: Coauthor with field work, data processing and paper writing.*

7. **Kis, B.M.**, Ionescu, A., Cardellini, C., Harangi, Sz., Baciuc, C., Caracausi, A., Viveiros, F., **2017**, Quantification of carbon dioxide emission of Ciomadul, the youngest volcano of the Carpathian-Pannonian Region (Eastern-Central Europe, Romania). **Journal of Volcanology and Geothermal Research**, 341, 119-130, **IF. 2.49**, WOS: 000406728200011.

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8. Italiano, F., **Kis, B.M.**, Baciuc, C., Ionescu, A., Harangi, Sz., Palcsu L., **2017**, Geochemistry of dissolved gases from the Eastern Carpathians-Transylvanian Basin boundary. **Chemical Geology**, 469, 117-128, **IF.3.34**, WOS: 000412553200011.

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9. Ionescu, A., Baciuc, C., **Kis, B.M.**, Sauer, E.P., **2017**, Evaluation of dissolved light hydrocarbons in different geological settings in Romania. **Chemical Geology**, 469, 230-245, **IF. 3.34**, WOS: 000412553200019.

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10. Ionescu, A., Burrato, P., Baciuc, C., Etiopu, G., **Kis, B.M.**, **2017**, Inventory of onshore hydrocarbon seeps in Romania (HYSED-RO database), **Geosciences**, 7, 2, 39

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11. Túri, M., Palcsu L., Papp L., Horváth A., Futó I., Molnár M., Rinyu L., Janovics R., Braun M., Hubay K., **Kis, B.M.**, Koltay G., **2016**, Isotope characteristics of the water and sediment in volcanic lake Saint Ana, East-Carpathians, Romania, **Carpathian Journal of Earth and Environmental Sciences**, 11, 2, 475-484, **IF.0.73**  
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12. **Kis, B.M.**, Czellecz, B., Baciú, C., Kékedy-Nagy, L., **2012**, Hydrogeochemical features of some mineral waters at the contact between Harghita Mts. (Eastern Carpathians) and the Transylvanian Basin, **Procedia Environmental Sciences** 14, 195-206, ISSN: 1876-0296, doi:10.1016/j.proenv.2012.03.019  
*Atribuții personale: elaborarea lucrării, măsurători și prelevare de probe pe teren, procesarea și interpretarea datelor.*

### Lucrările indexate ale conferințelor

1. Czellecz, B., Ionescu, A., **Kis, B. M.**, Ravasz, L., 2018, Carbon gas flux from the Dealul Melcului Geological Reserve (Corund, Romania), 2018 Air and Water Components of the Environment Conference Proceedings, 13-20, doi: 10.24193/AWC201802
2. **Kis, B.M.**, Baciú, C, 2014, The mineral waters from the Eastern Carpathians: a Chemical Review, *Studia Ambientum*, 59, 1-2, 71-81, online ISSN: 2065-9490, print ISSN: 1843-3855, Baza de date: ProQuest-Serials Solutions, Ulrichs Periodicals Directory, EBSCO
3. **Kis, B.M.**, Baciú, C, 2013, The mineral waters from the Eastern Carpathians: a chemical review, *Ecoterra*, no.36, 9-16, print ISSN: 1584-7071, Baza de date: Index Copernicus, ProQuest-Serials Solutions, Ulrichs Periodicals Directory, Google Scholar, Academic.
4. **Kis, B.M.**, Baciú, C, 2013, A hydrochemical approach to the mineral waters from the Eastern Carpathians, *Ecoterra*, no.35, 8-14, print ISSN: 1584-7071, Baza de date: Index Copernicus, ProQuest-Serials Solutions, Ulrichs Periodicals Directory, Google Scholar, Academic.
5. **Kis, B.M.**, Baciú, C, 2013, Methods and techniques for research of mineral waters from the Eastern Carpathians, *Geographia Timisiensis*, volc, XXIII, 2, 77-85, online ISSN: 2248-1877, print ISSN: 1224-0079, Baza de date: Ulrichs Periodicals Directory, EBSCO
6. **Kis, B.M.**, Baciú, C, Ladislau Kékedy-Nagy, 2013, A statistical approach to the mineral waters of Transylvanian Basin-Eastern Carpathians boundary, *Studia Ambientum*, 58, 1-2, 55-65, online ISSN: 2065-9490, print ISSN: 1843-3855, Baza de date: ProQuest-Serials Solutions, Ulrichs Periodicals Directory, EBSCO

### Prezentări științifice selectate:

1. **Kis, B.M.**, Palcsu, L., Zsigmond, A., Tamas, D., Suteu-Szollosi, S. L., Harangi, Sz. Geochemistry of gas emissions in the volcano-tectonic environment of the Eastern Carpathians, *EGU General Assembly*, 28.04.2022, Online.
2. **Kis, B.M.**, Zsigmond, A., Urak I., Csucs B., Palcsu L., Mathe I. Seasonal variation of composition on mineral water springs from Szeklerland using chemical and isotopic investigations, *16<sup>th</sup> Carpathian Basin Conference for Environmental Sciences*, 30.03-01.04.2021, Online.
3. **Kis, B.M.**, Zsigmond, A., Baciuc, C., Karman K., Kekedy-Nagy L., Constraints on the hydrogeochemistry and origin of the CO<sub>2</sub>-rich mineral waters from the Eastern Carpathians-Transylvanian Basin boundary (Romania), *International Symposium on Geofluids*, 7-9.07.2021, Online. Premiul pentru cea mai bună prezentare orală.
4. **Kis, B.M.**, Harangi, Sz., Palcsu, L., Zsigmond, A., Szalay, R., Tamas, D., Suteu-Szollosi, S. Why study an inactive to long dormant volcanic system? Challenges from a gas geochemical point of view, *1<sup>st</sup> CCVG Virtual Workshop*, 24-26.05.2021, Online.
5. **Kis, B.M.**, Palcsu, L., Zsigmond, A., Tamas, D., Suteu-Szollosi, S. L., Harangi, Sz. Geochemistry of gas emissions in the volcano-tectonic environment of the Eastern Carpathians, *EGU General Assembly*, 28.04.2021, Online
6. **Kis, B.M.**, 2021, *GMPV-ECS (Geochemistry, Mineralogy, Petrology & Volcanology Early Career Scientists) Online Talks* 17.02.2021., Gas emissions on a long dormant volcano. A case study of Ciomadul volcano, Eastern Carpathians, Romania, Invited presentation held on 17th February 2021.
7. **Kis, B.M.**, Harangi, Sz., Caracausi, A., Palcsu, L., Baciuc, C., Ionescu, A., Sciarra, A., Futó I., 2019, Gas geochemistry of the seemingly inactive Ciomadul volcano (Eastern Carpathians, Romania), *Miscellanea, 15<sup>th</sup> International Conference on Gas Geochemistry*, ICGG-15, *Miscellanea*, 49, 46.
8. **Kis, B.M.**, Ionescu, A., Harangi, Sz., Baciuc, C., Palcsu, L., Futó, I., Cardellini, C., Viveiros, F. 2018, First systematic geochemical assessment of the St. Ana crater, Ciomadul volcano, Eastern Carpathians, Romania, *EGU General Assembly*, *Geophysical Research Abstracts*, 20, EGU2018-794-2
9. **Kis, B.M.**, Ciomadul dormant volcano (Eastern Carpathians, Romania): gas flux and constraints on the origin of gases, 2017, *CCVG-IAVCEI Congress*, Quito-Banos, Ecuador