

Publication list

PhD Thesis: 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.

Volumes of Books:

1. Jánosi, Cs., Szakáll S., **Kis B.M.**, Kristály F., Harangi Sz., Péter É. **2021**, Minerals, Mofettes, Mineral Waters and Spa Culture at Ciomadul, In Karátson D., Veres, D., Gertisser, R., Magyari 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

Scientific publications with impact factor

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, doi:10.1016/j.geoexpl.2022.107051, IF. **4.166** WOS: 000888208500004
Personal duties: Paper writing, field work and data processing/interpretation
2. Tămaş, D., **Kis, B.M.**, Tămaş, A., Szalay, R. **2022**, Identifying CO₂ seeps in a long-dormant volcanic area using uncrewed aerial vehicle-based infrared thermometry: a qualitative study, **Sensors**, 22, 2719, doi: 10.3390/s22072719, IF. **3.85** WOS: 000781401700001
Personal duties: Paper writing, field work and data processing/interpretation
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, doi: 10.1016/j.lithos.2021.106152, IF: **4.020** WOS: 000674568300005
Personal duties: Coauthor, field sampling and data processing, interpretation
4. **Kis, B., M.**, Baciú, C., Zsigmond, A-R., Kékedy-Nagy, L., Kármán, K., Palcsu, L., Máthé, I., Harangi, Sz. **2020**, Constraints on the hydrogeochemistry and origin of the CO₂-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.

Personal duties: Main Author with paper writing task, field work, sampling and data processing and interpretation

5. **Kis, B., M.**, Caracausi, A., Palcsu, L., Baciú, 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.
Personal duties: Main Author with paper writing task, field work, sampling and data processing.
6. Sârbu, M.S., Aerts, J.W., Flot, J.F., Van Spanning, R.J.M, Baciú, C., Ionescu, A., **Kis, B.M.**, Incze, R., Siko-Barabasi, S., Para, Z., Hegyeli, B., Atudorei, N.V., Barr, C., Neelson, K., Forray, F., Lascu, C., Fleming, E.J., Bitter, W., Popa, R., **2018**, Sulfur Cave (Romania), an extreme environment with microbial mats in CO₂-H₂S/O₂ 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., Baciú, 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.
Personal duties: Main Author with paper writing task, field work, sampling and data processing.
8. Italiano, F., **Kis, B.M.**, Baciú, 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.
Personal duties: Main (Correspondent) Author with paper writing task, field work, sampling and data processing.
9. Ionescu, A., Baciú, 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.
Personal duties: Coauthor with paper writing task, field work, sampling and data processing.
10. Ionescu, A., Burrato, P., Baciú, C., Etiope, G., **Kis, B.M.**, **2017**, Inventory of onshore hydrocarbon seeps in Romania (HYSED-RO database), *Geosciences*, **7**, **2**, **39**
Personal duties: Coauthor with paper writing task, field work, sampling and data processing.
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**
Personal duties: Coauthor with paper writing task, field work, sampling and data processing.

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
Personal duties: Main Author with paper writing task, field work, sampling and data processing.

Scientific publications indexed

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

Selected scientific presentations:

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, *16th Carpathian Basin Conference for Environmental Sciences*, 30.03-01.04.2021, Online.
3. **Kis, B.M.**, Zsigmond, A., Baciú, C., Karman K., Kekedy-Nagy L., Constraints on the hydrogeochemistry and origin of the CO₂-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, *1st 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 of 17th February 2021.
 7. **Kis, B.M.**, Harangi, Sz., Caracausi, A., Palcsu, L., Baciu, C., Ionescu, A., Sciarra, A., Futó I., 2019, Gas geochemistry of the seemingly inactive Ciomadul volcano (Eastern Carpathians, Romania), *Miscellanea, 15th International Conference on Gas Geochemistry*, ICGG-15, *Miscellanea*, 49, 46.
 8. **Kis, B.M.**, Ionescu, A., Harangi, Sz., Baciu, 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