

Autoevaluare: CS dr. Elena-Andreea MAFTEI
Concurs: CS III poziția 18

I. Standarde minimale pe domenii pentru funcții de cercetare

Nr. crt.	FACULTATEA	Domeniul de cercetare	FUNCȚIA DE CERCETARE
			Cercetător Științific III (CS III)
18.	Institutul de Cercetări Interdisciplinare Departamentul de Științe Exacte și Științe ale Naturii	Geologie	<ul style="list-style-type: none"> ✓ Minim două (2) articole ca autor principal în reviste cu factor de impact în baza de date Web of Science, cu AIS cumulativ ≥ 1.5; ✓ Un (1) articol în reviste BDI. ✓ $h = 2$

1. Articole in extenso în reviste cotate ISI

- 2023 **Maftai A. E.**, Ahmed I., Neamtu M., Coromelci C. G., Ignat M., Brinza L. – *Nanocrystalline structured ethylene glycol doped maghemite for persistent pollutants removal*. Environmental Science-Water Research & Technology, 9(6), p. 1634-1645, DOI: <https://doi.org/10.1039/D2EW00986B>. IF (2022) = 5, AIS (2022) = 0.983 (autor principal).
- 2020 **Maftai A. E.**, Buzatu A., Damian G., Buzgar N., Dill H. G., Apopei A. I. – *Micro-Raman—a tool for the heavy mineral analysis of gold placer-type deposits (Pianu Valley, Romania)*. Minerals, 10(11), p. 1-17, DOI: <https://doi.org/10.3390/min10110988>. IF (2020) = 2.644, AIS (2020) = 0.495 (autor principal).
- 2019 **Maftai A. E.**, Buzatu A., Buzgar N., Apopei A. I. – *Spatial Distribution of Minor Elements in the Tazlău River Sediments: Source Identification and Evaluation of Ecological Implications*. International Journal of Environmental Research and Public Health, vol. 16 (23), p. 1-16, DOI: <https://doi.org/10.3390/ijerph16234664>. IF (2019) = 2.849, AIS (2019) = 0.659 (autor principal).
- 2019 **Maftai A. E.**, Buzgar N., Buzatu A., Apopei A. I. – *Distribution and minor elements contamination in urban and peri-urban soils area of Slănic Moldova, Romania*. Carpathian Journal of Earth and Environmental Sciences, 14(2), p. 335-342, DOI: <https://doi.org/10.26471/cjees/2019/014/084>. IF (2019) = 1.307, AIS (2019) = 0.132 (autor principal).
- 2018 **Maftai A. E.**, Dill H. G., Buzatu A., Iancu O. G., Buzgar N., Andrăș P. – *Chemical and mineralogical composition of fluvial sediments (Bistrita River, Romania): Geogenic vs. anthropogenic input into rivers on its way through mining areas*. Chemie der Erde, 78(3), p. 385-395, DOI: <https://doi.org/10.1016/j.chemer.2018.03.001>. IF (2018) = 2.364, AIS (2018) = 0.754 (autor principal).

- 2014 **Maftai A. E.**, Iancu O.G., Buzgar N. – *Assessment of minor elements contamination in Bistrița River sediments (upstream of Izvorul Muntelui Lake, Romania) with the implication of mining activity*. Journal of Geochemical Exploration 145, 25-34, DOI: <https://doi.org/10.1016/j.gexplo.2014.05.001>. IF = 3.287, AIS (2014) = 0.605 (autor principal).
- 2024 Coromelci C. G., **Maftai A. E.**, Neamtu M., Ababei G., Brinza L. – *Amorphous iron oxyhydroxides nano precursors used for Reactive Yellow 84 removal from aqueous solutions*. Separation and Purification Technology, 331, 125632, DOI: <https://doi.org/10.1016/j.seppur.2023.125632>. IF (2022) = 8.6, AIS (2022) = 1.002
- 2023 Damian G., Apopei A.I., Buzatu A., **Maftai A.E.**, Damian F. – *New Mineral Occurrences in Massive Sulfide Deposits from Manaila, Eastern Carpathians, Romania*. Minerals, vol. 132 (1), 111. IF (2022) = 2.5, AIS (2022) = 0.514, DOI: <https://doi.org/10.3390/min13010111>.
- 2023 Scarlat A.A., Iancu O.G., Chelariu C., Loghin S., Cotac V.N., Buliga I., **Maftai A. E.** – *Spatial geochemical distribution of some potentially toxic elements within river bed sediments from Rodna Mountains, Eastern Carpathians, Romania*. Present Environment and Sustainable Development, vol. 17 (1), p. 155-169. IF (2022) = 0.7, AIS = 0.057, DOI: <https://doi.org/10.47743/pesd2023171011>.
- 2022 Dincă G., Apopei A.I., Szabo R., **Maftai A. E.** – *The Effect of Mn Substitution on Natural Sphalerites by Means of Raman Spectroscopy: A Case Study of the Săcărâmb Au–Ag–Te Ore Deposit, Apuseni Mountains, Romania*. Minerals, vol. 12 (7), 885. IF (2022) = 2.5, AIS (2022) = 0.514, DOI: <https://doi.org/10.3390/min12070885>.
- 2022 Brinza L., **Maftai A. E.**, Tascu S., Brinza F., Neamtu M. – *Advanced removal of Reactive Yellow 84 azo dye using functionalised amorphous calcium carbonates as adsorbent*. Scientific Report, 12 (3112), p. 1:15. IF (2022) = 4.6, AIS (2022) = 1.132, DOI: <https://doi.org/10.1038/s41598-022-07134-2>.
- 2021 Damian G., Buzatu A., Apopei A. I., Damian F., **Maftai A. E.** – *Hydrothermal sphalerites from ore deposits of Baia Mare area*. Minerals, 11(12), p. 1-23. IF (2021) = 2.818, AIS (2021): 0.515, DOI: <https://doi.org/10.3390/min11121323>.
- 2021 Apopei A. I., Buzgar N., Buzatu A., **Maftai A. E.**, Apostoae L. – *Digital 3D Models of Minerals and Rocks in a Nutshell: Enhancing Scientific, Learning, and Cultural Heritage Environments in Geosciences by Using Cross-polarized Light Photogrammetry*. Carpathian Journal of Earth and Environmental Sciences, 2021, 16(1), pp. 237–249. IF (2021) = 1.316, AIS (2021) = 0.170, DOI: <https://doi.org/10.26471/cjees/2021/016/170>.
- 2017 Dill H. G., Buzatu A., **Maftai A. E.** – *Capturing digital data with handheld devices to determine the redox regime, lithology, and provenance of siliciclastic sediments and residual deposits—a review and field manual*. Arabian Journal of Geosciences. 10, p.188. IF (2017) = 0.860, AIS (2017) = 0.231, DOI: <https://doi.org/10.1007/s12517-017-2936-x>.

- 2017 | Buzatu A., Damian G., Buzgar N., Andr    P., Apopei A. I., **Maft  i A. E.**, Milovska S. – *Structural key features of bismut and Sb-As sulfosalts from hydrothermal deposits - micro-Raman spectrometry*. Vibrational Spectroscopy. 89, 49-56. IF (2017) = 1.363, AIS (2017) = 0.380, DOI: <https://doi.org/10.1016/j.vibspec.2017.01.002>.
- 2016 | Buzatu A., Dill H. G., Buzgar N., Damian G., **Maft  i A. E.**, Apopei A. I. – *Efflorescent sulfates from Baia Sprie mining area (Romania) – acid mine drainage and climatological approach*. Science of the Total Environment, 542, p. 629-641. IF (2016) 4.900, DOI: <https://doi.org/10.1016/j.scitotenv.2015.10.139>.

1. AIS cumul  t = 3.628 (≥ 1.5 – criteriu   ndeplinit)

2. Num  r articole ca autor principal = 6 (> 2 – criteriu   ndeplinit)

2. Articole BDI

- 2018 | **Maft  i A. E.**, Buzatu A., Buzgar N., Apopei A. I. (2018) – *Preliminary assessment of anthropogenic contribution and influencing factors of major elements and total organic carbon in Tazl  u River sediments, Romania*. Romanian Journal of Mineral Deposits, vol. 91, no. 1-2, p. 73-78.

1 articol BDI = criteriu   ndeplinit.

3. h = 6 conform bazelor de date Scopus   i Web of Science (= 2 – criteriu   ndeplinit)