

## LISTĂ DE LUCRĂRI

### Articole științifice publicate în reviste cotate Web of Science cu factor de impact:

1. [Soroaga, L.V.](#), Amarandei, C., Negru, A.G., Olariu, R.I., Arsene, C., Assessment of the anthropogenic impact and distribution of potentially toxic and rare earth elements in lake sediments from north-eastern Romania, *Toxics*, 10(5), 242, **2022**. DOI:10.3390/toxics10050242 (Factor impact: **4,146**, Q2)
2. Amarandei, C., Negru, A.G, [Soroaga, L.V.](#), Cucu-Man, S.M., Olariu, R.I., Arsene, C.; Assessment of surface water quality in the Podu Iloaiei dam lake (north-eastern Romania): Potential implications for aquaculture activities in the area, *Water*, 13, 2395, **2021**. DOI: 10.3390/w13172395 (Factor impact: **3,103**, Q2)
3. Sandu, M.C., [Soroaga, L.V.](#), Balaban, S.I., Chelariu, C., Chiscan, O., Iancu, G.O., Arsene, C., Olariu, R.I., Trace elements distribution in stream sediments of an abandoned U mining site in the Eastern Carpathians, Romania, with particular focus on REEs, *Geochemistry - Chemie der Erde*, 81(2), 125761, **2021**. DOI: 10.1016/j.chemer.2021.125761 (Factor impact: **2,292**, Q3)
4. Humelnicu, D., [Soroaga, L.V.](#), Arsene, C., Humelnicu, I., Olariu, R.I., Adsorptive performance of soybean and mustard husk towards arsenic (V) ions from synthetic aqueous solutions, *Acta Chimica Slovenica*, 66(2), 326-336, **2019**. DOI: 10.17344/acsi.2018.4821 (Factor impact: **1.735**, Q3)
5. Gradinaru, I., Ingnat, L., Dascalu, C.G., [Soroaga, L.V.](#), Antohe, M.E., Studies regarding the Architectural design of various composites and nanofibres used in dental medicine, *Revista de Chimie*, 69(2), 328-331, **2018**. DOI: 10.37358/rc.18.2.6100 (Factor impact: **1.605**, Q3)

### Articole științifice publicate în reviste indexate fără factor de impact / BDI / volumele conferințelor:

1. Borcia, C.G., [Soroaga, L.V.](#), Olariu, R.I., Nica, V., Pintilei, M., Evaluating the efficiency of rare earth elements recovery from mining wastes using environmentally friendly methods, *International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM*, 17(43), 75-82, **2017**. DOI: 10.5593/sgem2017H/43/S18.010
2. Stavarache, I.E., Chiriac, V., [Soroaga, L.V.](#), Dumitrascu, N., Physico-Chemical characterization of polymeric films used in Ophthalmology, *International Journal of Medical Dentistry – Biomaterials*, 7(1), 15-20, **2017**. ISSN: 2066-6063

### Participări la manifestări științifice internaționale (postere sau prezentări orale)

1. [Soroaga, L.V.](#), Arsene, C., Olariu, R.I., The evaluation of Na<sub>2</sub>O<sub>2</sub> as a sintering agent in solid state dissolution of potential secondary sources for Rare Earth Elements, *SGEM International Scientific Conferences on Earth & Planetary Sciences – Extended scientific session „Green Sciences for Green Life“*, Vienna, Austria, **2021**.

2. Gerber, I.C., Pohoata, V., Topala, I., Mihaila, I., [Soroaga, L.V.](#), Pirim, C., Duca, D., Focsa, C., Interstellar Dust Analogs Obtained in Dielectric Barrier Discharge. Synthesis and Characterisation, ECLA 2020 European Conference on Laboratory Astrophysics, Linking dust, ice and gas in Space, Anacapri, Italy, **2021**.
3. [Soroagă, L.V.](#); Olariu, R.I.; Arsene, C.; Borcia, C.; Quantitative analysis of rare earth elements from secondary sources: a comparison of laser ablation inductively coupled plasma mass spectrometry and solution inductively coupled plasma-mass spectrometry, Scientific Conference SGEM Vienna GREEN 2017, Vienna, Austria, **2017**.
4. Borcia, C.; [Șoroagă, L.V.](#); Olariu, R.I.; Nica, V.; Pintilei, M.; Evaluating the efficiency of rare earth elements recovery from tailings using environmentally friendly methods, Scientific Conference SGEM Vienna GREEN 2017, Vienna, Austria, **2017**.
5. Olariu, R.I.; Arsene, C.; [Șoroagă, L.V.](#); Pintilei, M.; Nica, V.; Borcia, C.; Chemical properties of available materials for the recovery of rare earth elements, 3<sup>rd</sup> International Conference on Computational and Experimental Science and Engineering, Antalya, Turkey, **2016**.

#### **Participări la manifestări științifice naționale (postere sau prezentări orale)**

1. [Soroaga, L.V.](#), Arsene, C., Olariu, R.I., Evaluation of the extended uncertainty for the quantification of rare earth elements by Inductively Coupled Plasma-Mass Spectrometry Sesiunea de comunicări științifice a studenților, masteranzilor și doctoranzilor "Chimia - frontieră deschisă spre cunoaștere", XII<sup>th</sup> Edition, Iasi, Romania, **2021**.
2. Gerber, I.C., [Soroaga, L.V.](#), Mihaila, I., Pohoata, V., Andrei, R.F., Iancu, D., Straticiuc, M., Topala, I., Energetic Processing of Interstellar Dust Analogs Obtained in Dielectric Barrier Discharge CPPA 2021 – 19th International Conference on Plasma Physics and Applications, Magurele-Bucharest, Romania, **2021**.
3. [Soroaga, L.V.](#), Arsene, C., Olariu, R.I., Rare Earth Elements analysis in secondary sources using Inductively Coupled Plasma – Mass Spectrometry, Conferința școlilor doctorale din cadrul Universității „Alexandru Ioan Cuza” din Iași, Cod proiect: POCU/380/6/13/123623, certificate of attendance, on-line presentation (Cisco Webex platform) Iasi, Romania, **2020**.
4. [Soroaga, L.V.](#), Arsene, C., Olariu, R.I., Assessing the performance of an analytical procedure using Certified Reference Materials, Sesiunea de comunicări științifice a studenților, masteranzilor și doctoranzilor "Chimia - frontieră deschisă spre cunoaștere", XI<sup>th</sup> Edition, Iasi, Romania, **2020**.
5. [Soroaga, L.V.](#), Arsene, C., Olariu, R.I., Analysis of Rare Earth Elements and Refractory Metals in volcanologic samples by ICP-MS using alkali fusion as sample dissolution procedure, Sesiunea de comunicări științifice a studenților, masteranzilor și doctoranzilor, "Chimia – frontieră deschisă spre cunoaștere", X<sup>th</sup> Edition, Iasi, Romania, **2019**.
6. [Soroaga, L.V.](#), Arsene, C., Breaban, I.G., Bobric, E.D., Borcia, C., Olariu, R.I., Rapid solid-state analysis versus accurate solution analysis. Assessment of an analytical procedure for REEs investigation, IasiChem 2019 Conference, 3<sup>rd</sup> Edition, Iasi, Romania, **2019**.
7. Gerber, I.C., Mihaila, I., [Soroaga, L.V.](#), Chipper A.S., Pohoata, V., Topala, I., Interstellar carbonaceous dust analogs obtained in plasma. Morphology and chemical characterization, CPPA 2019 – XVIIIth International Conference on Plasma Physics and Applications, Iasi, Romania, **2019**.

8. [Soroaga, L.V.](#), Arsene, C., Breaban I.G., Bobric E.D., Olariu, R.I., Rapid analysis of rare earth elements from solid samples by using on-line dissolution and inductively coupled plasma – mass spectrometry, IasiChem 2018, Faculty of Chemistry Conference, Iasi, Romania, **2018**.
9. [Soroaga, L.V.](#), Arsene, C., Olariu, R.I., Analiza elementelor rare ale pământului folosind spectrometria de masă cu plasmă cuplată inductiv, Conferința Națională a Școlilor Doctorale din Consorțiul Universitaria, I<sup>st</sup> Edition, Iasi, Romania, **2018**.
10. [Soroaga, L.V.](#), Arsene, C., Borcia, C., Olariu, R.I., ICP-MS analysis of rare earth elements in samples enriched by using environmentally friendly methods, The XXXV-th Romanian Chemistry Conference, Calimanesti, Romania, **2018**.
11. [Soroaga, L.V.](#), Arsene, C., Olariu, R.I., Sintering as sample dissolution procedure for complex matrices prior analysis of REEs by ICP-MS, Sesiunea de comunicări științifice a studenților, masteranzilor și doctoranzilor "Chimia – frontieră deschisă spre cunoaștere" – Ediția a IX-a, Iasi, Romania, **2018**.
12. Grădinaru, I.; Ignat, L.; [Soroagă, L.V.](#); Antohe, M.E.; Researches regarding the architecture of different dental systems based on nanofibers and nanocomposites, Simpozionul Științific de Medicină Dentară cu participare internațională – Provocări în Medicina Dentară Contemporană, Bucharest, Romania, **2017**.
13. Stavarache, I.E.; Chiriac, V; [Soroagă L.V.](#); Physico-chemical characteristic of polymeric films use in ophtalmology, The XXIIIrd International Congress "Preparing the future by promoting excellence", Zilele Universității Apollonia, Iasi, Romania, **2017**.
14. [Soroagă, L.V.](#); Olariu, R.I.; Galon (Negru), A.G.; Arsene, C.; Elemental and morphological analysis of airborne particulate matter collected in Iasi region, north-eastern Romania, Sesiunea de Comunicări Științifice a Studenților, Masteranzilor și Doctoranzilor, Ediția a VII<sup>th</sup> Edition, Iasi, Romania, **2016**.
15. [Soroagă, L.V.](#); Arsene, C.; Pintilei, M.; Nica, V.; Borcia, C.; Olariu, R.I.; Chemical characterization of a series of samples as secondary sources for rare earth elements, The XXXIV-th Romanian Chemistry Conference, Valcea, Romania, **2016**.
16. [Soroagă, L.V.](#); Arsene, C.; Borcia, C.; Olariu, R.I.; Rare earth elements (REEs) microwave assisted extraction for further analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS); Faculty of Chemistry Conference, Iasi, Romania, **2016**.
17. Mardare (Balusescu), G.; [Soroagă, L.V.](#); Marin, L.S.; Agafitei, M.C.; Arsene, C.; Olariu, R.I.; Physico-chemical forensic expertise in the analysis of soil samples by graphite furnace atomic absorption spectrometry, Faculty of Chemistry Conference, Iasi, Romania, **2014**.

Data,

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