

Lista publicatii stiintifice (Scopus)

1. Ana Moldovan, Emilia Neag, Vanda Băbălău-Fuss, Oana Cadar, Valer Micle, Cecilia Roman, Optimized Removal of Methylene Blue from Aqueous Solution using a commercial natural activated plant-based carbon and Taguchi Experimental Design, *Analytical Letters*, 2018, <https://doi.org/10.1080/00032719.2017.1418879>

2. Marin Senila, Oana Cadar, Alexandra Hoaghia, Ioan Aschilean, Cecilia Roman, Validation of the inductively coupled plasma optical emission spectrometry method for metals determination in zeolite samples, 19th International Multidisciplinary Scientific GeoConference, SGEM 2019, 30 June - 6 July, 2019, Albena, Bulgaria, Conference Proceedings, Volume 19, Science and Technologies in Geology, Exploration and Mining, Issue 1.1, *Geology Applied and Environmental Geophysics*, pp. 705-712, ISBN 978-619-7408-76-8, ISSN 1314-2704, <http://doi.org/10.5593/sgem2019/1.1>

3. Oana Cadar, Maria-Alexandra Hoaghia, Eniko Kovacs, Marin Senila, Ion Miu, Behaviour of some clinoptilolite rich natural zeolites from Romania in simulated biological fluids, 19th International Multidisciplinary Scientific GeoConference, SGEM 2019, 30 June - 6 July, 2019, Albena, Bulgaria, Conference Proceedings, Volume 19, Science and Technologies in Geology, Exploration and Mining, Issue 1.1, *Geology Applied and Environmental Geophysics*, pp. 59-66, ISBN 978-619-7408-76-8, ISSN 1314-2704, <http://doi.org/10.5593/sgem2019/1.1>

4. Emilia Neag, Marin Senila, Anamaria Iulia Torok, Marius Roman, Ferenc Puskas, Ammonium removal from synthetic solutions using an activated zeolite in fixed-bed column, 19th International Multidisciplinary Scientific GeoConference, SGEM 2019, 30 June - 6 July, 2019, Albena, Bulgaria, Conference Proceedings, Volume 19, Ecology, Economics, Education and Legislation, Issue 5.2, *Ecology and Environmental Protection*, pp. 61-67, ISBN 978-619-7408-85-0, ISSN 1314-2704, <http://doi.org/10.5593/sgem2019/5.2>

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6. Emilia Neag, Marin Senila, Anamaria Iulia Torok, Marius Roman, Ferenc Puskas, Regeneration and reuse of natural zeolite for ammonium removal, 19th International Multidisciplinary Scientific GeoConference, SGEM 2019, 30 June - 6 July, Albena, Bulgaria, Conference Proceedings, Volume 19, Ecology, Economics, Education and Legislation, Issue 5.2, *Ecology and Environmental Protection* pp. 651-656, ISBN 978-619-7408-85-0, ISSN 1314-2704, <http://doi.org/10.5593/sgem2019/5.2>

7. Emilia Neag, Ana Moldovan, Vanda Băbălău-Fuss, Anamaria Torok, Oana Cadar, Cecilia Roman, Kinetic, Equilibrium and Phytotoxicity Studies for Dyes Removal by Low Cost Natural Activated Plant-Based Carbon, *Acta Chimica Slovenica*, 2019, 66, 1-9, DOI: 10.17344/acsi.2018.4924.

8. Marin Senila, Oana Cadar, Lacrimioara Senila, Alexandra Hoaghia, Ion Miu, Mercury Determination in Natural Zeolites by Thermal Decomposition Atomic Absorption Spectrometry: Method Validation in Compliance with Requirements for Use as Dietary Supplements, *Molecules*, 2019, 24, 4023, 1-14, DOI:10.3390/molecules24224023

9. Lacrimioara Senila, Emilia Neag, Oana Cadar, Melinda Haydee Kovaks, Anca Becze, Marin Senila, Chemical, nutritional and antioxidant characteristics of different food seeds, Applied Sciences, 2020, 10, 1589, 1-16, DOI:10.3390/app10051589.

10. Emilia Neag, Anamaria Iulia Torok, Claudiu Tanaselia, Ioan Aschilean, Marin Senila, Kinetics and equilibrium studies for removal of Mn and Fe from binary metal solution system using a Romanian thermally activated natural zeolite, Water, 2020, 12, 1614, 1-13, DOI:10.3390/w12061617.

11. Oana Cadar, Marin Senila, Maria-Alexandra Hoaghia, Daniela Scurtu, Ion Miu, Erika-Andrea Levei, Effects of thermal treatment on natural clinoptilolite rich zeolite behavior in simulated biological fluids, Molecules, 2020, 25, 2570, 1-12, doi:10.3390/molecules25112570.

12. Marin Senila, Oana Cadar, Ion Miu, Determination of Cd and Pb in Natural Zeolites by Graphite Furnace Atomic Absorption Spectrometry in Compliance with Legislation for Dietary Supplements and Safety Evaluation, Molecules, 2020, 25, 2591; [doi:10.3390/molecules25112591](https://doi.org/10.3390/molecules25112591).

13. Maria-Alexandra Hoaghia, Eniko Kovacs, Cecilia Roman, Marin Senila, Ioan Aschilean, Preliminary study on the adsorption of petroleum hydrocarbons using natural zeolitic tuff from Romania, 20th International Multidisciplinary Scientific GeoConference, SGEM 2020, 16 - 25 August, 2020, Albena, Bulgaria, Conference Proceedings, Volume 20, pp. 109, <https://doi.org/10.5593/sgem2020/6.1/s24.015>, Section Micro and Nano Technologies

14. Ana Moldovan, Oana Cadar, Erika Andrea Levei, Ferenc Puskas, Marin Senila, Natural and activated zeolites as effective adsorbents in drinking water and wastewater treatment, 20th International Multidisciplinary Scientific GeoConference, SGEM 2020, 16 - 25 August, 2020, Albena, Bulgaria, Conference Proceedings, Volume 20, pp. 281, <https://doi.org/10.5593/sgem2020/3.1/s12.037>, Section Hydrology and Water Resources

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16. Lacrimioara Senila, Neag Emilia, Oana Cadar, Anca Becze, Daniela Alexandra Scurtu, Calin Horea Tomoiag, Marin Senila: Removal of Methylene Blue on Thermally Treated Natural Zeolites, Analytical Letters, 2021, [DOI: 10.1080/00032719.2021.1922431](https://doi.org/10.1080/00032719.2021.1922431).

17. Vanda Liliana Babalau Fuss, Gabriel Bruj, Lucian Dordai, Marius Roman, Oana Cadar, Anca Becze, Evaluation of the Impact of Different Natural Zeolite Treatments on the Capacity of Eliminating/Reducing Odors and Toxic Compounds, Materials, 2021, 14, 3724. <https://doi.org/10.3390/ma14133724>.

18. Lacrimioara Senila, Daniela Alexandra Scurtu, Eniko Kovacs, Marin Senila, Calin Horea Tomoiag, Cecilia Roman, Determination of Furfural from Vineyard Waste by Ultra-High Performance Liquid Chromatography – Diode Array Detection (UHPLC-DAD) with Method Validation and Uncertainty Evaluation, Analytical Letters, 2021, <https://doi.org/10.1080/00032719.2021.1959603>.

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20. Marin Senila, Oana Cadar, Maria-Alexandra Hoaghia, Zamfira Dinca, Lacrimioara Senila, Ioan Aschilean, Cecilia Roman, Method validation for the determination of exchangeable cations

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21. Maria-Alexandra Hoaghia, Ioan Aschilean, Vanda Babalau-Fuss, Anca Becze, Oana Cadar, Cecilia Roman, Marius Roman, Marin Senila, Eniko Kovacs, Activated natural zeolites for petroleum hydrocarbons adsorption, *STUDIA UBB CHEMIA*, LXVI, 2, 2021, 95-104, [DOI:10.24193/subbchem.2021.2.08](https://doi.org/10.24193/subbchem.2021.2.08)

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23. Anamaria Iulia Török, Claudiu Tănăselia, Cecilia Roman, Ferenc Puskas, Marin Senila, Ex-situ portable X-ray fluorescence spectrometry for the major elements determination in silicate geological samples using matrix-matching standards for calibration, *STUDIA UBB CHEMIA*, LXVI, 2, 2021, 117-126, [DOI:10.24193/subbchem.2021.2.10](https://doi.org/10.24193/subbchem.2021.2.10)

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25. Vanda Băbălău-Fuss, Lacrimioara Senila, Anca Becze, Oana Bogdana Al-Zaben, Marcel Dirja, Maria Tofană, Fatty acids composition from rosa canina and prunus spinosa plant fruit oil, *STUDIA UBB CHEMIA*, LXVI, 2, 2021 (p. 41-48), [DOI:10.24193/subbchem.2021.2.03](https://doi.org/10.24193/subbchem.2021.2.03)

26. Marin Senila, Oana Cadar, Lacrimioara Senila, Bogdan Simion Angyus, Simulated bioavailability of heavy metals (Cd, Cr, Cu, Pb, Zn) in contaminated soil amended with natural zeolite using Diffusive Gradients in Thin-films (DGT) technique, *Agriculture* 2022, 12, 321. <https://doi.org/10.3390/agriculture12030321>

27. Emilia Neag, Zamfira Stupar, Anamaria Iulia Torok, Ionut Surupaceanu, Marin Senila, Oana Cadar, Exploring the Properties of Micronized Natural Zeolitic Volcanic Tuff as Cosmetic Ingredient, *Materials*, 2022, 15, 2405, <https://doi.org/10.3390/ma15072405>

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32. Oana Cadar, Zamfira Stupar, Marin Senila, Levente Levei, Ana Moldovan, Anca Becze, Alexandru Ozunu, Erika Andrea Levei, Zeolites Reduce the Transfer of Potentially Toxic

Elements from Soil to Leafy Vegetables, Materials, 2022, 15, 5657,
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