

INPOLDE

- **Scientific publications (2017-2019)**

Articles indexed in Web of Science

1. Stefan Nickel; Winfried Schröder; Roman Schmalfuss; Maike Saathoff; Harry Harmens; Gina Mills; Marina V. Frontasyeva; Lambe Barandovski; Oleg Blum; Alejo Carballeira; Ludwig de Temmermann; Anatoly M. Dunaev; Antoaneta Ene; Hilde Fagerli; Barbara Godzik; Ilia Ilyin; Sander Jonkers; Zvonka Jeran; Pranvera Lazo; Sebastien Leblond; Siiri Liiv; Blanka Mankovska; Encarnación Núñez-Olivera; Juha Piispanen; Jarmo Poikolainen; Ion V. Popescu; Flora Qarri; Jesus Miguel Santamaria; Martijn Schaap; Mitja Skudnik; Zdravko Špirić; Trajce Stafilov; Eiliv Steinnes; Claudia Stihi; Ivan Suchara; Hilde Thelle Uggerud; Harald G. Zechmeister, Modelling spatial patterns of correlations between concentrations of heavy metals in mosses and atmospheric deposition in 2010 across Europe, *Environmental Sciences Europe*, 30, Art. Nr. 53, pp 1-17, 2018, <https://doi.org/10.1186/s12302-018-0183-8>. IF = 5,878 (2018).
2. Pintilie, V., Ene, A., Georgescu L.P., Moraru, D.I., 2017, Gross Alpha, Gross Beta and ⁴⁰K Activities and Daily Effective Dose Due to Natural Radionuclides from Food Supplements, *Romanian Journal of Physics* 62 (7-8), Art. No. 703, IF= 1.758.
3. Stihi C., Popescu I.V., Frontasyeva M., Radulescu C., Ene A., Culicov O., Zinicovscaia I., Dulama I.D., Cucu-Man S., Todoran R., Gheboianu A.I., Bucurica A., Bancuta I., Dima G., 2017, Heavy Metal Air Pollution Study in Romania Using Moss Biomonitoring, Neutron Activation Analysis and Atomic Absorption Spectrometry, *Analytical Letters*, 50(17), 2851-2858, DOI: 10.1080/00032719.2016.1275661, IF=1.15.
4. Violeta Pintilie, Antoaneta Ene, Lucian P. Georgescu, Dana Iulia Moraru, Adelina Pintilie, Determination of gross alpha, gross beta, and natural radionuclides (²¹⁰Po, ²¹⁰Pb, ²³⁸U, ²³²Th and ⁴⁰K) activity concentrations in bread and their contribution to the effective dose, 2018, *Romanian Journal of Physics*, 63(1-2), Art. Nr. 801.
5. Gosav S, Paduraru N, Maftai D, Birsa ML, Praisler M., Quantum chemical study of a derivative of 3-substituted dithiocarbamic flavanone, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* 172, 115-125, 2017, IF = 2.653.
6. N. Tigau, S. Condurache-Bota, R. Drasovean, J.Cranganu, R. Gavrila, Vacuum annealing effect on the structural and optical properties of antimony trioxide thin films, *Romanian Journal of Physics*, 62, 604 (2017), IF= 1.398.
7. S. Condurache-Bota, M. Praisler, R. Gavrila, N. Țigău, Sandwich heterostructures of antimony trioxide and bismuth trioxide films: Structural, morphological and optical analysis, *Appl. Surf. Sci.*, 391 (A), 59-65 (2017); IF=1.793, doi:10.1016/j.apsusc.2016.07.033.
8. S. Condurache-Bota, N. Tigau, M. Praisler, G. Prodan, R. Gavrila, Near-infrared energy bandgap bismuth oxide thin films and their in-depth morpho-structural and optical analysis, *Rom. Rep. Phys.*, 69 (3), 1-10, 2017, IF=1.467

9. S. Condurache-Bota, N. Tigau, The influence of the oxidation degree of bismuth oxide thin films on their optical properties, *Rev. Roum. Chim.*, 62(10), 757-762, 2017, IF=0.246.
10. Andreev N., Ronteltap M., Boincean B., Wernli M., Zubcov E., Bagrin N., Borodin N., Lens P.N.L., Lactic acid fermentation of human urine to improve its fertilizing value and reduce odour emissions, *Journal of Environmental Management* 198(1), 63-69, 2017, IF=4.005.
11. Violeta Pintilie, Antoaneta Ene, Lucian P. Georgescu, Adelina Georgiana Pintilie, Dana Iulia Moraru, Catalina Iticescu, Gross alpha, gross beta and radionuclides (^{210}Po , ^{210}Pb , ^{238}U , ^{232}Th , ^{226}Ra and ^{40}K) exposure assessment due to meat consumption, *Journal of Radioanalytical and Nuclear Chemistry*, 318(2), 991-1000, 2018, DOI:10.1007/s10967-018-6156-y. FI=1,186 (2018).
12. Gosav S., Ene A., Aflori M., Characterization and discrimination of plant fossils by ATR-FTIR, XRD and chemometric methods, *Romanian Journal of Physics* 64(1-2), Art. Nr. 806, 2019, FI= 1,460 (2018).
13. Drasovean, R., Murariu, G., Constantinescu, G., Cîrciumaru, A., Assessment of surface water quality of Danube in terms of usual parameters and correlation analyses, *Revista de Chimie*, 70, 2, 398-406, 2019, Accession Number WOS:000461982200009. FI=1,412 (2018).

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1. Ene, A. Moraru, S.S., Moraru D.I., Assessment of bioaccumulation of heavy metals in sunflower cultivated in the agricultural area next to steel industry, *ISI Proceedings of the 19th International Multidisciplinary Scientific GeoConference SGEM 2019*, Vol.19, Issue 3.2, p. 25-32 (2019) doi: 10.5593/sgem2019/3.2.
2. Moraru, S.S., Ene, A., Gosav, S., Study of the correlativity between parameters and mineralogy of contaminated agricultural soils, *ISI Proceedings of the 19th International Multidisciplinary Scientific GeoConference SGEM 2019*, Vol.19, Issue 3.2, p. 441-448 (2019) doi: 10.5593/sgem2019/3.2.
3. Condurache-Bota, S., Drasovean, R., Study of the evolution of the particulate matter and heavy metals emissions in the first nine countries enrolled in the European Union, *ISI Proceedings of the 19th International Multidisciplinary Scientific GeoConference SGEM 2019*, Vol 19, Issue 4.1, p.1085 (2019) doi:10.5593/sgem2019/4.1
4. Drasovean, R., Condurache-Bota, S., Tigau, N., Murariu, G., Monitoring the quality parameters of green leaves in Galati City, *ISI Proceedings of the 19th International Multidisciplinary Scientific GeoConference SGEM 2019*, Vol.19, Issue 3.2, p. 769 (2019) doi: 10.5593/sgem2019/3.2.
5. Gosav, S., Coman, M. M., Praisler, M., Artificial Neural Networks Applied for the Identification of JWH Cannabinoids Based on Structural Descriptors, *AIP Conference Proceedings*, vol. 2075, issue 1, 170013 (2019). DOI: 10.1063/1.5091378. <https://aip.scitation.org/doi/abs/10.1063/1.5091378>
6. Gosav, S., Ion, A., Praisler, M., DFT Characterization of MDMA Methylene Homologue, a Chemical Compound with Psychoactive Properties, *AIP Conference Proceedings*, vol. 2075, issue 1, 170027 (2019). DOI: 10.1063/1.5091392. <https://aip.scitation.org/doi/abs/10.1063/1.5091392>.

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1. Florin Sloata, Antoaneta Ene, Optimization of X-ray fluorescence technique for the analysis of heavy metals contained in wastes from the electrical and electronic equipment industry, *Annals Dunarea de Jos Univ. Galati, Fasc. II. Mathematics, Physics, Theoretical Mechanics*, year X (XLI) 2018, No. 1, p.111-117
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3. Constantin Gheorghies, Simona Condurache-Bota, Geta Carac, Paula Cojocaru, Lucian Puiu Georgescu, Catalina Iticescu, Antoaneta Ene, Reduction of Irradiation Level for Personnel Working in a Steel Furnace Using NMG Method, *International Journal of Science, Technology and Society* (2017), 5(4) Pages: 87-90 DOI: 10.11648/j.ijsts.20170504.15
4. Romana Draşovean, Ciprian Badiu, Andreea Dediu, The Influence of fertilizers on the contents of chlorophyll in spinach and radish, *ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATI MATHEMATICS, PHYSICS, THEORETICAL MECHANICS, FASCICLE II, YEAR IX (XL)*, No. 2, 2017, p.195-202.
5. Cristina Despina, Liliana Teodorof, Adrian Burada, Daniela Seceleanu-Odor, Mihaela Tiganus, Iuliana-Mihaela Tudor, Orhan Ibram, Cosmin Spiridon, Aurel Nastase, George Tiganov, Antoaneta Ene, Danube Delta Biosphere Reserve - ten years of toxic substances monitoring, *Annals Dunarea de Jos Univ. Galati, Fasc. II. Mathematics, Physics, Theoretical Mechanics*, year IX (XL), No. 1, 2017, p. 55-60.
6. Florin Sloata, Antoaneta Ene, XRF analysis of mercury in highly contaminated soils from a former chlor-alkali plant in Romania, *Annals Dunarea de Jos Univ. Galati, Fasc. II. Mathematics, Physics, Theoretical Mechanics*, year IX (XL), No. 2, 2017, p. 171-174.
7. Alina Sion, Antoaneta Ene, Zinc solubility determined in industrial soils, *Annals Dunarea de Jos Univ. Galati, Fasc. II. Mathematics, Physics, Theoretical Mechanics*, year IX (XL), No. 2, 2017, p. 167-170.
8. S. Condurache-Bota, G. Condurache-Bota, I. Florea, The evolution of the surface ultraviolet flux over Romania, *Annals of "Dunarea de Jos" University of Galati, Mathematics, Physics, Theoretical Mechanics, Fascicle II, year IX (XL)*, No. 2, 182-186, 2017.
9. S. Condurache-Bota, G. Condurache-Bota, C. B. Murat, Monitoring air pollution in the most important Romanian cities, *Annals of "Dunarea de Jos" University of Galati, Mathematics, Physics, Theoretical Mechanics, Fascicle II, year IX (XL)*, No. 2, 175-181, 2017.
10. Romana Drasovean, Simona Condurache Bota, Nicolae Tigau, Carmen Purghele Nistor, Wastewater assessment in Galatz city (Romania) during 2015-2016, *EQA – Environmental quality / Qualité de l'Environnement / Qualità ambientale*, 27 (2018) 33-40.
11. Coman, M. M., Gosav, S., Praisler, M., Study regarding the toxicological activity of some JWH synthetic cannabinoids, *Annals of "Dunarea de Jos" University of Galati, Mathematics, Physics, Theoretical Mechanics, Fascicle II, Year X (XLI)* 2018, No. 1, p.25-32.

12. Gosav, S., Ion, A., Praisler, M., Artificial neural network designed to identify NBOMe hallucinogens based on molecular descriptors, *Annals of "Dunarea de Jos" University of Galati, Mathematics, Physics, Theoretical Mechanics, Fascicle II, Year X (XLI) 2018, No. 1*, p. 33-39.
13. Luminita Moraru, Lucian Traian Dimitrievici, Antoaneta Ene, Simona Moldovanu, Magnetic field gradients and their effects on the diffusion tensor derivate measures, *RAD Conference Proceedings, vol. 2, pp. 207-211, 2017, ISSN 2466-4626 (on line), doi: 10.21175/RadProc.2017.42, <http://rad-proceedings.org/index.php?id=2>*.
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