

ANEXA RAPORT ACTIVITATE (2023)

INPOLDE - Laboratoare din rețeaua interdisciplinară internațională RO-UA-MD creată în cadrul proiectului european MIS ETC 1676

8. Rezultatele activității de cercetare, dezvoltare și inovare (CDI)

8.1.1	Lucrări publicate în reviste cotate ISI
8.1.2	Factor impact

47 articole total

Ene A.+ parteneri proiecte, asociați, colaboratori, doctoranzi – 40 articole

1. El-Taher, Atef; Ashry, Ahmed; Ene, Antoaneta; Almeshari, Meshari; Zakaly, Hesham M. H., DETERMINATION OF PHOSPHATE ROCK MINES SIGNATURES USING XRF AND ICP-MS ELEMENTAL ANALYSIS TECHNIQUES: RADIONUCLIDES, OXIDES, RARE EARTH, AND TRACE ELEMENTS, ROMANIAN REPORTS IN PHYSICS, 75(2), 701, 2023.
2. Ene, Antoaneta; Pantelica, Ana; Sloata, Florin; Zakaly, Hesham M. H.; Tekin, Huseyin Ozan, GAMMA SPECTROMETRY ANALYSIS OF NATURAL AND MAN-MADE RADIOACTIVITY AND ASSESSMENT OF RADIOLOGICAL RISK IN SOILS AROUND STEEL INDUSTRY, ROMANIAN JOURNAL OF PHYSICS, 68(7-8), 803, <https://doi.org/10.59277/RomJPhys.2023.68.803>
3. Fathy, Douaa; Zakaly, Hesham M. H. S.; Lasheen, El Saeed R.; Elsaman, Reda A.; Alarifi, Saad; Sami, Mabrouk; Awad, Hamdy; Ene, Antoaneta, Assessing geochemical and natural radioactivity impacts of Hamadat phosphatic mine through radiological indices, PLOS ONE 18(8), e0287422, 2023, <http://dx.doi.org/10.1371/journal.pone.0287422>
4. Kamal, Mohamed; Shen, Jinsong; Othman, Adel Ali Ali; Araffa, Sultan Awad Sultan; Tekin, H. O.; Ene, Antoaneta; Abdel-latif, Abdel-Sattar A.; Zakaly, Hesham M. H., Integrated geophysical techniques applied for petroleum basins structural characterization in the central part of the Western Desert, Egypt, OPEN CHEMISTRY, 21(1), 20220293, 2023, <http://dx.doi.org/10.1515/chem-2022-0293>
5. Abd El Aal, Ahmed; Abdullah, Gamil M. S.; Zakaly, Hesham M. H.; Awad, Hamdy A.; Omar, Ali E.; Sakr, Mohamed A. H.; Ene, Antoaneta, Geotechnical aspects of alluvial soils at different depths under sodium chloride action in Najran region, Saudi Arabia: Field supported by laboratory tests, FRONTIERS IN ENVIRONMENTAL SCIENCE, 11, 1073718, 2023, <http://dx.doi.org/10.3389/fevs.2023.1073718>
6. Cakici, T.; Ozdal, O. Gur; Almousa, N.; Yildiz, F.; Khalil, H.; Ene, Antoaneta; Zakaly, Hesham M. H.; Perisanog, E. Kavaz, Bacterial MgSe complex nanoparticle synthesis and electrical characterization of fabricated Ag/MgSe/p-Si hetero-structure under dark and illumination, HELIYON 9(11), e21678, 2023, <http://dx.doi.org/10.1016/j.heliyon.2023.e21678>
7. Sami, Mabrouk; Adam, Munir M. A.; Lv, Xinbiao; Lasheen, El Saeed R.; Ene, Antoaneta; Zakaly, Hesham M. H.; Alarifi, Saad S.; Mahdy, Nasser M.; Rahman, Abdel Rahman A. Abdel; Saeed, Adil; Farahat, Esam S.; Fathy, Douaa; Ali, Shehata, Petrogenesis and Tectonic Implications of the Cryogenian I-Type Granodiorites from Gabgaba Terrane (NE Sudan), MINERALS, 13(3), 331, 2023, <http://dx.doi.org/10.3390/min13030331>
8. Taalab, Sherif A.; Zakaly, Hesham M. H.; Ivanov, V.; Alrowaily, Albandari W.; Awad, Hamdy A.; Abed, Neveen S.; Issa, Shams A. M.; Eltohamy, Amira M.; Ene, Antoaneta, Notable changes in geochemical and mineralogical characteristics of different phases of episyntization: insights on the radioactive and shielding of the late phase, FRONTIERS IN EARTH SCIENCE, 11, 1241975, 2023, <http://dx.doi.org/10.3389/feart.2023.1241975>
9. Rashwan, Mohammed A.; Lasheen, El Saeed R.; Abdelwahab, Wael; Azer, Mokhles K.; Zakaly, Hesham M. H.; Alarifi, Saad S.; Ene, Antoaneta; Thabet, Ismail A., Physico-mechanical properties and shielding efficiency in relation to mineralogical and geochemical compositions of Um Had granitoid, Central Eastern Desert, Egypt, FRONTIERS IN EARTH SCIENCE, 11, 1228489, 2023, <http://dx.doi.org/10.3389/feart.2023.1228489>
10. Coretchi, Liuba; Ene, Antoaneta; Virlan, Serghel; Gincu, Mariana; Ababii, Aurelia; Capatina, Angela; Overcenco, Alla; Sargu, Valentin, Children's Exposure to Radon in Schools and Kindergartens in the Republic of Moldova, ATMOSPHERE, 14(1), 11, 2023, <http://dx.doi.org/10.3390/atmos14010011>
11. Taalab, Sherif A.; Abdel-Rahman, Ahmed M.; El-Awny, Hamada; Awad, Hamdy A.; Zakaly, Hesham M. H.; Fahmy, Wael; Ene, Antoaneta, Petrogenesis and Tectonic Evolution of Kab Amiri Ophiolites and Island-Arc Assemblages, Central Eastern Desert, Egypt: Petrological and Geochemical Constraints, MINERALS, 13(4), 528, 2023, <http://dx.doi.org/10.3390/min13040528>
12. El-Ghazzawy, Enas H.; Zakaly, Hesham M. H.; Alrowaily, Albandari W.; Saafan, Samia A.; Ene, Antoaneta; Abo-aita, Nagat M.; Darwish, Moustafa A.; Zhou, Di; Atiam, Ahmed S., Delving into the properties of nanostructured Mg ferrite and PEG composites: A comparative study on structure, electrical conductivity, and dielectric relaxation, HELIYON, 9(9), e19745, 2023, <http://dx.doi.org/10.1016/j.heliyon.2023.e19745>
13. AlMisned, Ghada; Sen Baykal, Duygu; Ilik, Erkan; Abuzaid, Mohammed; Issa, Shams A. M.; Kilic, G.; Zakaly, Hesham M. H.; Ene, Antoaneta; Tekin, H. O., Tungsten (VI) oxide reinforced antimony glasses for radiation safety applications: A throughout investigation for determination of radiation shielding properties and transmission factors, HELIYON, 9 (7), e17838, 2023, <http://dx.doi.org/10.1016/j.heliyon.2023.e17838>
14. Deliormanli, AM; AlMisned, G; Ene, A; Tekin, HO, Graphene-bioactive glass composites: Structural, Vickers hardness, and gamma-ray attenuation characteristics, FRONTIERS IN MATERIALS, 10, 1179502, 2023, <http://dx.doi.org/10.3389/fmats.2023.1179502>
15. Uosif, Mohamed A. M.; Issa, Shams A. M.; Ene, Antoaneta; Mostafa, Ahmed M. A.; Atta, Ali; El Agammy, Emam F.; Zakaly, Hesham M. H., Lead-Free Ternary Glass for Radiation Protection: Composition and Performance Evaluation for Solar Cell Coverage, MATERIALS, 16(8), 3036, 2023, <http://dx.doi.org/10.3390/ma16083036>
16. AlMisned, Ghada; Elshami, Wiam; Rabaa, Elaf; Kilic, G.; Ilik, E.; Sen Baykal, Duygu; Ene, Antoaneta; Tekin, H. O., Toward the strengthening of radioprotection during mammography examinations through transparent glass screens: A benchmarking between experimental and Monte Carlo simulation studies, FRONTIERS IN PUBLIC HEALTH, 11, 1171209, 2023, <http://dx.doi.org/10.3389/fpubh.2023.1171209>
17. Uosif, M. A. M.; Issa, Shams A. M.; Ene, Antoaneta; Ivanov, V.; Mostafa, A. M. A.; Atta, Ali; El Agammy, E. F.; Zakaly, Hesham M. H., Optimal composition for radiation shielding in BTCu-x glass systems as determined by FLUKA, JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T, 25: 2088 - 2096, 2023, <http://dx.doi.org/10.1016/j.jmr.2023.06.107>
18. AlMisned, Ghada; Elshami, Wiam; Kilic, G.; Rabaa, Elaf; Zakaly, Hesham M. H.; Ene, Antoaneta; Tekin, H. O., Utilization of three-layers heterogeneous mammographic phantom through MCNPX code for breast and chest radiation dose levels at different diagnostic X-ray energies: A Monte Carlo simulation study, FRONTIERS IN PUBLIC HEALTH, 11, 1136864, 2023, <http://dx.doi.org/10.3389/fpubh.2023.1136864>
19. Uosif, M. A. M.; Issa, Shams A. M.; Ene, Antoaneta; Mostafa, A. M. A.; Atta, Ali; Badawi, Ali; El Agammy, E. F.; Zakaly, Hesham M. H., A promising alternative: examining TVS tellurite glass for gamma radiation shielding applications, FRONTIERS IN MATERIALS, 10, 1210524, 2023, <http://dx.doi.org/10.3389/fmats.2023.1210524>
20. Say, Yakup; Guler, Omer; Kavaz, Esra; AlMisned, Ghada; Ene, Antoaneta; Tekin, Huseyin Ozan, Structural, physical, and radiation absorption properties of a significant nuclear power plant component: A comparison between REX-734 and 316L SS austenitic stainless steels, OPEN CHEMISTRY, 21(1), 20220307, 2023, <http://dx.doi.org/10.1515/chem-2022-0307>
21. AlMisned, Ghada; Elshami, Wiam; Kilic, Gokhan; Ilik, Erkan; Rabaa, Elaf; Zakaly, Hesham M. H.; Ene, Antoaneta; Tekin, Huseyin O., Exploring the Radioprotective Indium (III) Oxide Screens for Mammography Scans Using a Three-Layer Heterogeneous Breast Phantom and MCNPX: A Comparative Study Using Clinical Findings, MEDICINA-LITHUANIA, 59(2), 327, 2023, <http://dx.doi.org/10.3390/medicina59020327>
22. Issa, Shams A. M.; Almutairi, Abeer M. M.; Albalawi, Karma; Dakhilallah, Ohoud K. K.; Zakaly, Hesham M. H.; Ene, Antoaneta; Abulyazied, Dalia E. E.; Ahmed, Sahar M. M.; Youness, Rasha A. A.; Taha, Mohammed A. A., Production of Hybrid Nanocomposites Based on Iron Waste Reinforced with Niobium Carbide/Granite Nanoparticles with Outstanding Strength and Wear Resistance for Use in Industrial Applications, NANOMATERIALS, 13(3), 537, 2023, <http://dx.doi.org/10.3390/nano13030537>
23. Karacam, Songul Cavdar; Tuncman, Duygu; AlMisned, Ghada; Ene, Antoaneta; Tekin, Huseyin Ozan, Investigation of Radiochromic Film Use for Source Position Verification through

a LINAC On-Board Imager (OBI), MEDICINA-LITHUANIA, 59(3), 628, 2023, <http://dx.doi.org/10.3390/medicina59030628>

24. Susam, Lidya Amon; Yilmaz, Ayberk; AlMisned, Ghada; Alan, Hatice Yilmaz; Ozturk, Gizem; Kilic, Gokhan; Tuysuz, Bahar; Topuzlar, Selin Ece; Akkus, Baki; Ene, Antoaneta; Tekin, Huseyin Ozan, Tailoring a Behavioral Symmetry on KERMA, Mass Stopping Power and Projected Range Parameters against Heavy-Charged Particles in Zinc-Tellurite Glasses for Nuclear Applications, SYMMETRY-BASEL, 15(6), 1201, 2023, <http://dx.doi.org/10.3390/sym15061201>

25. AlMisned, G; Rabaa, E; Sen Baykal, D; Kavaz, E; Ilik, E; Kilic, G; Zakaly, HMM; Ene, A; Tekin, HO, Mechanical properties, elastic moduli, and gamma ray attenuation competencies of some TeO₂-WO₃-GdF₃ glasses: Tailoring WO₃-GdF₃ substitution toward optimum behavioral state range, OPEN CHEMISTRY, 21(1), 20220290, 2023, <http://dx.doi.org/10.1515/chem-2022-0290>

26. AlMisned, Ghada; Rabaa, Elaf; Sen Baykal, Duygu; Ilik, Erkan; Kilic, Gokhan; Zakaly, Hesham M. H.; Ene, Antoaneta; Tekin, Huseyin Ozan, Translocation of tungsten(vi) oxide/gadolinium(iii) fluoride in tellurite glasses towards improvement of gamma-ray attenuation features in high-density glass shields, OPEN CHEMISTRY, 21(1), 20220289, 2023, <http://dx.doi.org/10.1515/chem-2022-0289>

27. Cetinkaya, Caglar; Cokduygular, Erman; Kinaci, Baris; Ilik, Erkan; Kilic, Gokhan; AlMisned, Ghada; Zakaly, Hesham M. H.; Ene, Antoaneta; Tekin, H. O., Tailoring optimal translocation conditions towards proximity of borotellurite glasses to the red spectrum through CeO₂ for practical applications, HELIYON, 9(4), e14881, 2023, <http://dx.doi.org/10.1016/j.heliyon.2023.e14881>

28. AlMisned, Ghada; Khattari, Ziad Y. Y.; Rabaa, Elaf; Rammah, Yasser S. S.; Baykal, Duygu Sen; Kilic, Gokhan; Zakaly, Hesham M. H.; Ene, Antoaneta; Tekin, Huseyin Ozan, Tailoring a symmetry for material properties of tellurite glasses through tungsten(vi) oxide addition: Mechanical properties and gamma-ray transmissions properties, APPLIED RHEOLOGY, 33(1), 20220151, 2023, <http://dx.doi.org/10.1515/arh-2022-0151>

29. AlMisned, Ghada; Rabaa, Elaf; Sen Baykal, Duygu; Ilik, Erkan; Kilic, Gokhan; Zakaly, Hesham M. H.; Ene, Antoaneta; Tekin, Huseyin Ozan, The impact of chemical modifications on gamma-ray attenuation properties of some WO₃-reinforced tellurite glasses, OPEN CHEMISTRY, 21(1), 20220297, 2023, <http://dx.doi.org/10.1515/chem-2022-0297>

30. Alsaif, Norah A. M.; Khattari, Z. Y.; Zakaly, Hesham M. H.; Rammah, Y. S.; Ene, Antoaneta; Al-Buriah, M. S., Mechanic-elastic properties and radiation attenuation efficiency of TeO₂/WO₃/K₂O composite glass systems for nuclear and medical application, HELIYON, 9(8), e18912, 2023, <http://dx.doi.org/10.1016/j.heliyon.2023.e18912>

31. AlMisned, Ghada; Baykal, Duygu Sen; Kilic, G.; Ilik, E.; Rabaa, Elaf; Susoy, G.; Zakaly, Hesham M. H.; Ene, Antoaneta; Tekin, H. O., Comparative analysis on application conditions of indium (III) oxide-reinforced glasses in nuclear waste management and source transportation: A Monte Carlo simulation study, HELIYON, MAR, 9(3), e14274, 2023, <http://dx.doi.org/10.1016/j.heliyon.2023.e14274>

32. Lasheen, El Saeed R.; Awad, Hamdy A.; Ene, Antoaneta; Alarifi, Saad S.; Rashwan, Mohammed A.; Kawady, Nilly A.; Issa, Shams A. M.; Zakaly, Hesham M. H., Mineralogical constituents and radioactivity analysis of commercial granitic ornamental stones: Assessing suitability and radiation safety, JOURNAL OF RADIATION RESEARCH AND APPLIED SCIENCES, 16(3), 100618, 2023, <http://dx.doi.org/10.1016/j.jrras.2023.100618>

33. Ashry, Mahmoud; Askar, Hussam; Obiedallah, Manar M.; Elankily, Ahmed Hussuin; Galal El-Sahra, Doaa; Zayed, Gamal; Mustafa, Mohamed A.; El-Shamy, Sawzan Abd El-Maksoud; Negm, Somaia A.; El-Beltagy, Marwa A.; Abdel-Wahhab, Khaled G.; Ene, Antoaneta, Hormonal and inflammatory modulatory effects of hesperidin in hyperthyroidism-modeled rats, FRONTIERS IN IMMUNOLOGY, 14, 1087397, 2023, <http://dx.doi.org/10.3389/fimmu.2023.1087397>

34. AlMisned, Ghada; Susoy, Gulfem; Zakaly, Hesham M. H.; Rabaa, Elaf; Kilic, Gokhan; Ilik, Erkan; Sen Baykal, Duygu; Ene, Antoaneta; Tekin, Huseyin Ozan, The role of Ag₂O incorporation in nuclear radiation shielding behaviors of the Li₂O-Pb₃O₄-SiO₂ glass system: A multi-step characterization study, OPEN CHEMISTRY, 21(1), 20220354, 2023, <http://dx.doi.org/10.1515/chem-2022-0354>

35. AlMisned, Ghada; Rabaa, Elaf; Rammah, Yasser S. S.; Khattari, Ziad Y. Y.; Baykal, Duygu Sen; Ilik, Erkan; Kilic, Gokhan; Zakaly, Hesham M. H.; Ene, Antoaneta; Tekin, Huseyin Ozan, A Promising Glass Type in Electronic and Laser Applications: Elastic Moduli, Mechanical, and Photon Transmission Properties of WO₃ Reinforced Ternary-Tellurite Glasses, SYMMETRY-BASEL, 15(3), 602, 2023, <http://dx.doi.org/10.3390/sym15030602>

36. Issa, Shams A. M.; Zakaly, Hesham M. H.; Almousa, N.; Huang, Ruixue; Aldousari, Hadeel; Yousef, Nouf; Asiry, Ashwag; Almutairi, Muneerah; Al-atwi, Sanaa; Ene, Antoaneta; V. Zhukovskiy, Michael, Navigating radiopharmaceutical dynamics in Ra-223 alpha emitter radiotherapy: Implications for treatment optimization and personalization, JOURNAL OF RADIATION RESEARCH AND APPLIED SCIENCES, 16(4), 100695, 2023, <http://dx.doi.org/10.1016/j.jrras.2023.100695>

37. Alsaif, Norah A. M.; Baykal, Duygu Sen; Elshami, Wiam; Zakaly, Hesham M. H.; Issa, Shams A. M.; Ene, Antoaneta; Rammah, Y. S., On tungsten barium phosphate glasses: Elastic moduli, gamma-ray shielding properties as well as transmission factor (TF), JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY, 59(4):1095 – 1109, 2023, <http://dx.doi.org/10.1007/s41779-023-00900-z>

38. MM Salem, El-Refaie Kenawy, Hesham MH Zakaly, Antoaneta Ene, Mohamed M Azaam, Tarek B Edries, Di Zhou, Marwa M Hussein, Anwer S Abd El-Hameed, Islam M Nabil, Moustafa A Darwish, Electrospun PVDF/Barium hexaferrite fiber composites for enhanced electromagnetic shielding in the X-band range, Results in Physics 53, 106975, 2023, <https://doi.org/10.1016/j.rinp.2023.106975>

39. Almisned, Ghada; Khattari, Z. Y.; Sen Baykal, Duygu; Susoy, Gulfem; Kilic, G.; Ene, Antoaneta; Tekin, H. O., Tailoring a correlation between fracture resistance improvement, elastic moduli, mechanical and nuclear radiation shielding properties for sodium-borate glasses through Gallium(III) oxide incorporation, JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T, 27:7582-7592, 2023, <http://dx.doi.org/10.1016/j.jmrt.2023.11.195>

40. Zakaly, Hesham M. H.; Tekin, H. O.; Issa, A. M. Shams; Alrowaily, Albantari W.; Ene, Antoaneta; Rammah, Y. S., Dual Impacts of Bi₂O₃/B₂O₃ Substitution on Mechanical and Attenuation Properties of Zinc-Bismuth-Borate Ternary Glasses for Diagnosis γ-Rays Shielding Materials Application, JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, 33(6), 149-1506, 2023, <http://dx.doi.org/10.1007/s10904-022-02527-2>

Revista	Nr. articole	FI
OPEN CHEMISTRY	6	2.3
HELIYON	6	4
ROMANIAN REPORTS IN PHYSICS	1	2.7
ROMANIAN JOURNAL OF PHYSICS	1	1.5
PLOS ONE	1	3.7
FRONTIERS IN ENVIRONMENTAL SCIENCE	1	4.6
ATMOSPHERE	1	2.9
MINERALS	2	2.5
FRONTIERS IN MATERIALS	2	3.2
MATERIALS	1	3.4
FRONTIERS IN PUBLIC HEALTH	2	5.2
JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T	2	6.4
MEDICINA-LITHUANIA	2	2.6
NANOMATERIALS	1	5.3
SYMMETRY-BASEL	2	2.7
APPLIED RHEOLOGY	1	1.8
JOURNAL OF RADIATION RESEARCH AND APPLIED SCIENCES	2	1.7
FRONTIERS IN IMMUNOLOGY	1	7.3
JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY	1	1.9
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS	1	4
RESULTS IN PHYSICS	1	5.3
FRONTIERS IN EARTH SCIENCE	2	2.9

TOTAL FI = 136,6

Alina Cantaragiu Ceoromila – 5 articole

Nr. Crt.	Date de identificare articol (Autori, Titlu, cod DOI articol, Titlul revistei, anul publicării)	Factor de impact
1.	Lanciu Dorofte, A.; Dima, C.; Ceoromila, A.; Botezatu, A.; Dinica, R.; Bleoanca, I.; Borda, D. (2023) Controlled Release of -CD-Encapsulated Thyme Essential Oil from Whey Protein Edible Packaging. Coatings, 13, 508. https://doi.org/10.3390/coatings13030508	3,236

2.	Obreja CD, Buruiana DL, Mereuta E, Muresan A, Ceoromila AM, Ghisman V, Axente RE (2023) Detection of reed using CNN method and analysis of the dry reed (Phragmites Australis) for a sustainable lake area. Plant Methods, 19(1):61. doi: 10.1186/s13007-023-01042-w	5,1
3.	Roman (Iana-Roman), Mirela, Petronela Nechita, Mihaela-Aida Vasile, Alina-Mihaela Cantaragiu Ceoromila. 2023. Barrier and Antimicrobial Properties of Coatings Based on Xylan Derivatives and Chitosan for Food Packaging Papers. Coatings, 13(10), 1761. https://doi.org/10.3390/coatings13101761 (Q2) Coatings Free Full-Text Barrier and Antimicrobial Properties of Coatings Based on Xylan Derivatives and Chitosan for Food Packaging Papers	3,236
4.	Claudia - Veronica Ungureanu, Rodica Chihai, Alina - Florentina Saracu, Alina - Mihaela Ceoromila (2023) An-ecofriendly synthesis of silver nanoparticles using microalga Desmodesmus protuberans and evaluation of their antimicrobial activity. Romanian Biotechnological Letters, 28(2): 3900-3907. doi: 10.25083/rbl/28.2/3900.3907. https://rombio.unibuc.ro/publications/vol-28-2023/volume-28-no-2/	0,765
5.	Lorena Deleanu, Laura Maftei, George Ghiocel Ojoc, Alina Ceoromila, Larisa Chiper Titire, Constantin Georgescu (2023) Influence of Sliding Speed and Glass Bead Concentration on 3D Roughness Parameters. Materiale Plastice, 60(4), 109-124. https://doi.org/10.37358/MP.23.4.5691	0,782
Total FI		13,12

GOSAV S. – 2 articole

Nr.crt.	Date de identificare articol (Autori, Titlu, cod DOI articol, Titlul revistei, anul publicării)	Factor de impact
1.	1. Gosav, S., Praisler, M., Păduraru Cristea, N., Gosav, T., Paraschiv, C., Experimental and computational studies of 3-(N-morpholinylcarbodithioate)-2-(4-methoxyphenyl)chroman-4-one, a flavanone with potential therapeutical properties , Journal of Molecular Structure 1295 Part 1 15 sept 2023 online, 136627, DOI: 10.1016/j.molstruc.2023.136627	3.841
2.	2. Dorohoi, D.O.; Gosav, S.; Moroşanu, A.C.; Dimitriu, D.G.; Apreotesei, G.; Gosav, T. Molecular Descriptors—Spectral Property Relations for Characterizing Molecular Interactions in Binary and Ternary Solutions, Excited State Dipole Moment Estimation . Symmetry 2023, 15(11), 2075	2.7
Total		6,541

8.1.3 Citări în reviste de specialitate cotate ISI.

Ene A. (si partial + Sion A.+ Gosav S.)

437 citări – conform Fişei de autoevaluare pe anul 2023 şi Anexă citări

Gosav S.

7 citări – conform Fişei de autoevaluare pe anul 2023 şi Anexă citări

Ceoromila A.

40 citări – conform Fişei de autoevaluare pe anul 2023 şi Anexă citări

8.1.4 Lucrări ştiinţifice/tehnice in reviste indexate în baze de date internaţionale

ISI – proceedings

1. Antoaneta Ene; Florina Cristiana Căpriţă; Ana Pantelică; Alina Ceoromila, Study of composition of seaweed of the genus Ulva and filter paper made with added algae by SEM-EDX, PIXE and PIGE, Proceedings of the TIM20-21 Physics Conference, [AIP Conference Proceedings](https://doi.org/10.1063/5.0150558) 2843:040008, 2023, DOI: [10.1063/5.0150558](https://doi.org/10.1063/5.0150558)

BDI

1. Alina Sion, Valerica Chitic, Antoaneta Ene, SEM-EDX analysis of paper, leather and metal lock from an 18 th century church book, ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATI MATHEMATICS, PHYSICS, THEORETICAL MECHANICS, FASCICLE II, YEAR XV (XLVI) 2023, No. 1, 52-58, DOI: 10.35219/ann-ugal-math-phys-mec.2023.1.09
2. Alina Sion, Andreea-Cătălina Gîrmacea, Antoaneta Ene, Mihaela Timofti, The effect of road and railway traffic on the soil quality from the Public Garden of Galati, Romania, ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATI MATHEMATICS, PHYSICS, THEORETICAL MECHANICS, FASCICLE II, YEAR XV (XLVI) 2023, No. 1, 32-38, DOI: 10.35219/ann-ugal-math-phys-mec.2023.1.06
3. Alina Sion, Antoaneta Ene, Pătraşcu Ariana, Heavy metal determination in agricultural soil collected from Brăila County, ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATI MATHEMATICS, PHYSICS, THEORETICAL MECHANICS FASCICLE II, YEAR XV (XLVI) 2023, No. 2, 72-78, DOI: https://doi.org/10.35219/ann-ugal-math-phys-mec.2023.2.03
4. Alina Sion, Antoaneta Ene, Gabriela Cojocaru, Study of urban soil collected from a future residential complex area from Galati, Romania, ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATI MATHEMATICS, PHYSICS, THEORETICAL MECHANICS FASCICLE II, YEAR XV (XLVI) 2023, No. 2, 79-85, DOI: https://doi.org/10.35219/ann-ugal-math-phys-mec.2023.2.04
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PP05. Combined atomic and nuclear techniques (AAS, PIXE, PIGE, ICP-MS) for elemental and isotopic analysis of soils and crops impacted by iron and steel industry

Antoaneta Ene, Sorina-Simona Moraru, Dana Iulia Moraru, Ana Pantelica, Claudia Stih

PP06. Application of non-destructive analytical techniques for the management of hazardous industrial waste

Florin Sloata, Antoaneta Ene, Ana Pantelica

PP07. Analysis of the cast iron microcomposition by Wavelength Dispersive X-ray Fluorescence (WDXRF)

Geta Szabo, Antoaneta Ene

PP08. Study of the hydrocarbon-oxidizing activity of bacterioplankton in the Moldavian section of the Prut River

Olga Jurminskaja, Elena Zubcov, Maria Negru, Nina Bagrin, Antoaneta Ene

PP09. Ten years of mycotoxin residues screening in products intended for human and animal consumption

Liliana Teodorof, Laura Cioroiu, Ionut Cazacu, Paul Cornel Bria, Mitică Tuchilă, Antoaneta Ene

PP10. Microbiological contamination level of surface water in Danube and NW Black Sea region: coliform and heterotrophic bacteria

Mihaela-Aida Vasile, Gabriela Bahrim, Antoaneta Ene

PP11. Heavy metals determination in soil samples collected from a future residential complex area from Galati, Romania

Alina Sion, Antoaneta Ene, Gabriela Cojocaru

PP12. Quality study conducted on the agricultural exploited soil. Case study: Zăvoaia, Brăila County

Alina Sion, Antoaneta Ene, Ariana Pătrașcu

PP13. Assessment of groundwater quality from Galati County wells using physico-chemical methods and high-resolution continuum source atomic absorption spectrometry

Antoaneta Ene, Dana Iulia Moraru

PP14. Applications of high-resolution continuum source atomic absorption spectrometry (HR-CS AAS)

Antoaneta Ene, Dana Iulia Moraru

PP17. Assessment of the efficiency of reducing heavy metals from industrial water using filter papers with added seaweed mass

Florina-Cristiana (Filote) Căpriță, Antoaneta Ene

VP01. The role of acquiring new knowledge on aquatic ecosystems in their preservation and rational use in a changing world

Elena Zubcov, Laurentia Ungureanu, Nina Bagrin, Natalia Zubcov, Lucia Bilețchi, Antoaneta Ene, Bulat Dumitru, Olga Jurminskaja, Victor Ciomea, Denis Bulat, Petru Ciorba, Anastasia Ivanova, Svitlana Kovalyshyna

VP02. Monitoring of radon concentrations in educational institutions in the municipalities of Chisinau and Cahul in the Republic of Moldova

Liuba Corețchi, Aurelia Ababii, Ala Overenco, Alexandra Filonov, Parascovia Romanciuc, Angela Capățina, Antonov Zinovia, Antoaneta Ene

VP04. About the integration of physical and biological components of the river ecosystem

Svitlana Kovalyshyna, Maria Grandova, Tatiana Chuzhekova, Mikhailo Nabokin, Volodymyr Ukrainskiy, Yuriy Denga, Elena Zubcov, Antoaneta Ene, Alexander Matygin

VP05. On the oxygen regime of the lower Dniester

Alexander Matygin, Svitlana Kovalyshyn, Antoaneta Ene, Elena Zubcov, Ilya Trombitsky

VP07. Pb and Cd air pollution sources identification by moss biomonitoring in Romania

Claudia Stih, Antoaneta Ene

VP08. Outdoor gamma dose rate and risk to population in urban, natural and recreational sites from Danube and Prut river basins, Black and Aegean Seas

Antoaneta Ene, Elena Zubcov, Oleg Bogdevich, Thomas Spanos, Liliana Teodorof, Laurentia Ungureanu, Christina Xatzichristou, Steluța Gosav, Romana Dășoveanu, Emilian Bujor Dănilă, Alina Sion, Geta Szabo

VP11. PIXE-PIGE and SEM-EDX analysis of steels with special utilizations

Antoaneta Ene, Ana Pantelica, Alina Ceoromila

VP12. XRF analysis of heavy metals in soils collected from different playgrounds from Galati city, Romania

Alina Sion, Antoaneta Ene, Vasile Bașliu

VP13. Vehicle emissions effects on soil quality from a public park area in Galati, Romania

Alina Sion, Antoaneta Ene, Andreea-Cătălina Gîrmacea

VP14. Influence of agricultural practices on soil quality. Study case: Fundeni, Galati city

Alina Sion, Antoaneta Ene, Loredana Nicolau

LT01. Laboratory applications of gamma rays' attenuation

Antoaneta Ene, Huseyin Ozan Tekin

LT02. Applications of gamma ray spectrometry using scintillation and semiconductor detectors

Huseyin Ozan Tekin, Antoaneta Ene

LT03. Measurement of radon and thoron in indoor environments and population dose evaluation

ANTOANETA ENE, HUSEYIN OZAN TEKIN

Antoaneta Ene, **Invited Lecture IL01. Nuclear radiations in our lives: sources, applications, protection measures**, International Conference and Workshop, "Interdisciplinary applications of advanced analytical and control techniques in environment, health and materials science - INTERVENT", October 19th–20th, 2023 - GALATI, ROMANIA

Antoaneta Ene^{1,2}, Elena Zubcov^{2,3}, Liliana Teodorof^{2,4}, Carmen Lidia Chițescu⁵, Gabriela Bahrim⁶, Mihaela-Aida Vasile⁶, Oleg Bogdevich^{2,7}, Yuriy Denga^{2,8}, Svetlana Kovalyshyna^{2,8}, **Invited Lecture IL04. Monitoring of toxic pollutants and contaminants of emerging concern (CECs) in the Danube River and Delta and the Black Sea Basin: INPOLDE and MONITOX international networks**, International Conference and Workshop, "Interdisciplinary applications of advanced analytical and control techniques in environment, health and materials science - INTERVENT", October 19th–20th, 2023 - GALATI, ROMANIA

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8.1.10	Studii prospective și tehnologice, normative, proceduri, metodologii și planuri tehnice, noi sau perfecționate, comandate sau utilizate de beneficiar.
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Coordonator unitate de cercetare

Prof.dr.habil. Antoaneta ENE