

ANEXA 8. Lucrări științifice in reviste indexate BDI

Nr. Crt.	TITLUL	REVISTA	AUTORII
Lucrări publicate in reviste din baze de date recunoscute			
1.	Assessment of physical and chemical stability of different magnesium compounds in tablets	Revista de Chimie, vol. 71, nr. 2, pp. 22-29, https://doi.org/10.37358/RC.20.2.7886 , 2020	C. Moisa, D. M. Tit, D. Uivarosan, O. Cadar, L. C. Moleriu, G. Cioca, D.E. Mosteanu, L. Aleya, S. Bungau
2.	Biomass processing from agricultural residual production and maintenance operations when cutting trees and vines	Hidraulica Magazine, nr. 4, pp. 93-97, ISSN 1454 - 8003, 2020	Ioan Pavel, Gabriela Matache, Alexandru-Polifron Chiriță, Alina Iolanda Popescu, Cristian Diaconu
3.	Changing weather pattern impact on soil microbial efficiency in common used pharmaceutical contaminants breakdown from soil environment	Agricultura, vol. 115-116, nr. 3-4, pp. 253-270, http://dx.doi.org/10.15835/agrisp.v115i3-4.13961 , 2020	M. H. Kovacs, E. D. Kovacs, L. Silaghi-Dumitrescu, C. Roman
4.	Chemical and technological properties of blackthorn (<i>Prunus Spinosa</i>) and rose hip (<i>Rosa Canina</i>) fruits grown wild in Cluj-Napoca area	Agricultura, vol. 113-114, nr. 1-2, pp. 110-115, http://dx.doi.org/10.15835/agrisp.v113i1-2.13792 , 2020	V. Babalau-Fuss, A. Becze, M. Roman, A. Moldovan, O. Cadar, M. Tofana
5.	Considerations regarding the use of hydraulic drive systems in the construction and maintenance of wind turbines	Journal of Research and Innovation for Sustainable Society, vol. 2, nr. 1, pp. 5-10, ISSN 2668-0416, ISSN-L 2602-0416, DOI: 10.33727/JRISS.2020.1.1: 5-10, 2020	Radu Rădoi, Ion David, Alexandru-Polifron Chiriță, Ana-Maria Popescu
6.	Contributions to the modernization of fluid power field by integration of intelligent equipment	Mining Machines , nr. 4, pp. 39-47, ISSN 2719-3306; DOI: 10.32056/KOMAG2020.4.5 , 2020	Radu Radoi, Marian Blejan, Alexandru Hristea, Bogdan Tudor
7.	Cultivation of <i>Chlorella vulgaris</i> microalgae in wastewater	Agricultura, vol. 115-116, nr. 3-4, pp. 237-242, http://dx.doi.org/10.15835/agrisp.v115i3-4.13951 , 2020	Z. Dinca, A. I. Török, A. Moldovan, E. Neag
8.	Determination of vitamin E content in sunflower oils available on the romanian market	Agricultura, vol. 115-116, nr. 3-4, pp. 144-148, http://dx.doi.org/10.15835/agrisp.v115i3-4.14012 , 2020	L. Dordai, A. Becze
9.	Development of an advance method for the determination of tocopherols in edible oils	Agricultura, vol. 115-116, nr. 3-4, pp. 248-252, http://dx.doi.org/10.15835/agrisp.v115i3-4.13912 , 2020	A. Becze, V. Babalau Fuss, M. Tofana
10.	Effects of pharmaceuticals presence in Agroecosystem on volatile aroma content in tomato fruit	Agricultura, vol. 115-116, nr. 3-4, pp. 134-143, http://dx.doi.org/10.15835/agrisp.v115i3-4.13960 , 2020	E. D. Kovacs, L. Silaghi-Dumitrescu, M. H. Kovacs, L. Wojciech Szajdak, C. Roman

11.	Evaluation of nutritional value of blackthorn and rose fruits	Hop and medicinal plants, nr. 1-2, pp. 218-226, ISSN 2360-0179, 2020	V. Babalau-Fuss, A. Becze, A. Moldovan, O. B. Grebla, M. Tofană
12.	Liquid chromatographic method for the determination of beta-carotene from milk and cheese	Agricultura, vol. 115-116, nr. 3-4, pp. 243-247, http://dx.doi.org/10.15835/agrisp.v115i3-4.13846 , 2020	A. Becze, M. O. Naghiu, V. L. Babalau Fuss
13.	Mathematics for real-time S-curve profile generator	Hidraulica Magazine, nr. 4, pp. 7-25, ISSN 1454 - 8003, 2020	Marian Blejan, Robert Blejan
14.	Metals and organic pollutants removal from wastewater by local Lemna minor genotype	Agricultura, vol. 115-116, nr. 3-4, pp. 85-91, http://dx.doi.org/10.15835/agrisp.v115i3-4.13952 , 2020	A. I. Török, A. Moldovan, Z. Dinca, E. Neag
15.	Press of parallelepiped-shaped briquettes	Hidraulica Magazine, nr. 3, pp. 82-88, ISSN 1454 - 8003, 2020	Gabriela Matache, Valentin Barbu, Ioan Pavel, Alina Iolanda Popescu, Cristina Florina Voicu
16.	Quality assesment of Valea Sesii stream near a copper mine tailing pond	Agricultura, vol. 113-114, nr. 1-2, pp. 158-165, http://dx.doi.org/10.15835/agrisp.v113i1-2.13790 , 2020	A. Moldovan, M. A. Hoaghia, V. Babalau-Fuss, M. Roman, V. Micle
17.	Research on the assessment of flow and pressure pulses in oscillating hydraulic intensifiers	Mining Machines , nr. 4, pp. 14-23, ISSN 2719-3306; DOI: 10.32056/KOMAG2020.4.2 , 2020	Teodor Costinel Popescu, Alexandru Polifron Chiriță, Ana-Maria Carla Popescu
18.	Wood splitter for household use	Hidraulica Magazine, nr. 2, pp. 52-57, ISSN 1454 - 8003, 2020	Petrin Drumea, Valentin Barbu, Gabriela Matache, Ioan Pavel, Alina Iolanda Popescu

Lucrari publicate in proceedings-uri indexate BDI			
1.	An analysis of baffles designs for limiting impact on the directional response for a partially filled tank with agro-food liquids	Proceedings of International Conference of Thermal Equipment, Renewable Energies and Rural Development TE-RE-RD, vol. 180, eISSN: 2267-1242; DOI: https://doi.org/10.1051/e3sconf/202018003024 , 2020	Gabriela Milian, Sorin-Ștefan Biriș, George Ipate, Alexandru Hristea, Cristian Sorica, Florin Nenciu
2.	Carbon capture and storage in biomass combustion process	Proc. of International Conference on Environmental Sciences GEOLINKS, vol. 2, nr. 2, pp. 273-282, ISSN 2603-5472; DOI 10.32008/GEOLINKS2020/B2/V2, 2020	Ioan Pavel, Radu Rădoi, Gabriela Matache, Ana-Maria Popescu
3.	Considerations regarding the laboratory testing of electro-hydraulic heave compensators	Proc. of TECHNIUM International Conference, vol.1, pp.21-28, ISSN:2668-778X, 2020	T.C. Popescu, M. Petrache

4.	Environmental Management and Precision Agriculture Through Satellite Technologies and Classic Methods of Investigation	Proceedings mdpi, vol. 57, nr. 1, pp. 1-2, https://doi.org/10.3390/proceedings2020057025 , 2020	Ortan A, Moise C, Nemuc A , Fierascu I, Fierascu R
5.	Graphene Oxide–Glass Nanocomposite Obtained by Sintering and Melting	Solar Energy Conversion in Communities. Springer Proceedings in Energy. book series (SPE), pp. 423-433, 978-3-030-55756-0, 2020	Sava B.A., Boroica L., Vasiliu I.C., Elisa M. , Trefilov A., Filip A.V., Matei A., Dinca C.M., Gherasim (Fufa) O., Eftimie M.
6.	Innovative, clean and non-invasive technology for infrared thermographic investigations applied to cylinders and pumps within hydrostatic drive systems	Conference Proc. International Multidisciplinary Scientific GeoConference SGEM, vol. 20, nr.4.1, pp.83-90,DOI: 10.5593/ sgem2020/ 4.1/s17.011, 2020	Al. Marinescu, T.C. Popescu, A.-M. Popescu, A.I. Popescu
7.	Mechano-hydraulic pumping solutions for reduction of energy losses in agricultural mobile machinery	Proceedings of International Conference of Thermal Equipment, Renewable Energies and Rural Development TE-RE-RD, vol. 180, eISSN: 2267-1242;DOI: https://doi.org/10.1051/e3sconf/202018004020 , 2020	Alexandru Hristea, Bogdan Tudor, Ștefan Șefu , Gabriela Milian
8.	Multi-Temperature Model for Ultrafast Laser Experiments on Single Layered Graphene	Solar Energy Conversion in Communities. Springer Proceedings in Energy. book series (SPE), pp. 411-422, 978-3-030-55756-0, 2020	Oane M., Sava B.A., Boroica L., Medianu R., Vasiliu I.C., Elisa M. , Filip A.V., Dinca M.C
9.	Natural and activated zeolite as effective adsorbents in drinking water and wastewatertreatment	International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 2020,, vol. 20, nr. 3.1, pp. 281, DOI:10.5593/ sgem2020/ 3.1/s12.037, 2020	A. Moldovan, O. Cadar, E.A. Levei, F. Puskas, M. Senila
10.	New design principle of innovative equipment to separate the frizzed berries and their seeds from food by-products powered by compliant fluidic actuators - PAM'S / Principiul nou de design a echipamentelor inovative dedicate fructelor congelate și a se	Proc. of ISB-INMA TEH' International Symposium, pp. 624-628, ISSN-L 2344 - 4118, 2020	L. Visan, D. Milea, A. Zaica, A. Păun, C. Dumitrescu, G. Matache
11.	Obtaining thermal energy from renewable sources in rural areas using a combined energy system	Proceedings of International Conference of Thermal Equipment, Renewable Energies and Rural Development TE-RE-RD, vol. 180, eISSN: 2267-1242; DOI: https://doi.org/10.1051/e3sconf/202018002014 , 2020	Liliana Dumitrescu, Corneliu Cristescu, Radu Rădoi, Ioan Pavel , Florian Dragomir, Oana Diana Cristea

12.	Preparation and Study of Core Shell Fe ₃ O ₄ /Au Nanoparticles for Traceability of Blood Vessels and Biosensing by Surface Enhanced Raman Spectroscopy	22nd International Conference on Transparent Optical Networks (ICTON), 10.1109/ICTON51198.2020.9203221, 2020	A-M. Iordache , C. Rizea, C. Giuglea, C.N. Zoita , I. Stamatina, S.M. Iordache , C.R. Stefan , M.I. Rusu , L. Tortet, A. Tonetto, R. Noto, C.E.A. Grigorescu
13.	Production of domestic hot water in a sustainable way by using a combined solar - TLUD system	Proc. of International Conference on Environmental Sciences GEOLINKS, vol. 2, nr. 2, pp. 343-351, ISSN 2603-5472; DOI 10.32008/GEOLINKS2020/B2/V2, 2020	Radu Rădoi , Ioan Pavel , Corneliu Cristescu , Liliana Dumitrescu
14.	Research on methods, techniques and technologies of carbon sequestration in soil	Proceedings of International Conference of Thermal Equipment, Renewable Energies and Rural Development TE-RE-RD, vol. 180, eISSN: 2267-1242; DOI: https://doi.org/10.1051/e3sconf/202018003021 , 2020	Oana Diana Cristea, Valentin Vlăduț, Nicoleta Ungureanu, Diana Lorena Popa, Simona Isticioaia, Liliana Dumitrescu , Gheorghe Matei, Livia Apostol
15.	Good practices, limits and risks of 3D digitization in the continuous documentation of Cultural Heritage	Proc. of Optoelectronics into a powerful economy, ed. R.Radvan, ed. AGIR, pp. 321-328, ISBN: 978-973-720-822-4, 2020	L. Angheluță
16.	Overview on the advanced laser techniques for conservation and restoration of The Romanian Traditional Built Heritage	Proc. of Optoelectronics into a powerful economy, ed. R.Radvan, ed. AGIR,, pp. 307-318, ISBN: 978-973-720-822-4, 2020	M. Dinu , R. Rădvan , A. Chelmuș
17.	Uncovering Layers of the Past. Spectral Imaging Techniques for Artworks Investigation	Proc. of Optoelectronics into a powerful economy, ed. R.Radvan, ed. AGIR,, pp. 349-356, ISBN: 978-973-720-822-4, 2020	L.C. Ratoiu

ANEXA 8b. Carti si capitole de carte

Nr. Crt.	TITLUL CARTII	EDITURA	AUTORII
1.	A fi, sau a nu fi? Științele patrimoniului despre fals și autentic	Editura Top FORM, Editura UNIVERS ȘTIINTIFIC, ISBN 978-6060-080-003-3, 2020	L.C. Ratoiu (editor)
2.	Progress, Challenges and Opportunities in Divalent Transition Metal-Doped Cobalt Ferrites Nanoparticles Applications in Advanced Functional Materials	InTechOpen, DOI: 10.5772/intechopen.93298 , 2020	O. Cadar, T. Dippong, M. Senila, E.A. Levei
3.	Electrochemical impedance spectroscopy used for carbonitrides and oxynitrides investigation	Asociatia Generala a Inginerilor din Romania, 78-973-720-822-4, 2020	M. Dinu, C.M. Cotrut, T. Hauffman, A. López-Ortega, X. Almandoz, A. Vladescu, M. Braic
4.	Assessment of Surface Water Pollution With Heavy Metals in Handbook of Research on Emerging Developments and Environmental Impacts of Ecological Chemistry Handbook of Research on Emerging Developments and Environmental Impacts of Ecological Chemistry	IGI Global , pp. 212-228, DOI: 10.4018/978-1-7998-1241-8.ch010, 2020	Duca Gheorghe, Mereuta Aliona, Claudiu Tănăsolia, Erika Levei, Velisco Natalia
5.	Capitolul 3. Evaluarea calității apei potabile din surse locale în areale afectate de inundații in Hazard, vulnerabilitate si rezilienta la inundatii în Romania, abordari la diferite scari spatiale	Editura Academiei Române, pp. 198-222, ISBN 978-973-27-3175-8, 2020	M. Șenilă, A. Hoaghia, O. Cadar, M. Roman, E. Levei
6.	(SUB-CAPITOL) Evaluarea calității apei potabile din surse locale în areale afectate de inundații in Hazard, vulnerabilitate si rezilienta la inundatii în Romania, abordari la diferite scari spatiale	Editura Academiei Române, pp. 70-85, ISBN 978-973-27-3175-8, 2020	C. Roman, M. Șenilă
7.	Optimization of Cosmic Radiation Detection in Saline Environment in Nuclear Nuclear Power Plant Power Plant	Ed. IntechOpen Limited, 10.5772/intechopen.91156 , 2020	Valeriu Savu, Mădălin Ion Rusu, Dan Savastru
8.	Hydrometallurgical Recovery of Gold from Mining Wastes in Solid Waste Management	InTechOpen, DOI: 10.5772/intechopen.94597 , 2020	E. Neag, E. Kovacs, Z. Dinca, A. I. Török, C. Varaticeanu, E. A. Levei

ANEXA 8c. Articole publicate in jurnale neindexate

Nr. Crt.	TITLUL	REVISTA	AUTORII
1.	Aerosol Types From EARLINET Data Using The Updated NATALI Code	Proceedings ELC2020, S03P37, 2020	V. Nicolae, C. Talianu, J. Vasilescu and D. Nicolae
2.	Alpha-lidar: A State-of-the-art Continuous Daytime Depolarization Raman Lidar	Proceedings ELC2020, S01P06, 2020	L. Belegante, D. Ene, D. Nicolae, A. Nemuc, R. Pirloaga, V. Nicolae, I. Binietoglou, V. Freudenthaler, G. Giorgoussis, A. Tavernarakis, C. Evangelatos and A. Louridas
3.	Chalcogenide materials and fiber optics in optoelectronics	Book of Proceedings, AGIR Publishing House, 978-973-720-822-4, 2020	L. Baschir
4.	Optoelectronics and optospintronics: emergent phenomena, materials and applications in Collective phenomena of branching for overcritical currents in arrays of intrinsic Josephson junctions	Optoelectronics Into A Powerful Economy. Book of Proceedings / AGIR Publishing House, pp. 169-175, 978-973-720-822-4, 2020	Marina Cuzminschi, Alexei Zubarev, Stefan-Marian Iordache, Ana-Maria Iordache, Cristiana E.A. Grigorescu
5.	Determination of the optimal frequency for the detection Cherenkov cone of electromagnetic radiation in saline environment	Book of Proceedings, AGIR Publishing House, 978-973-720-822-4, 2020	V. Savu, M.I. Rusu
6.	Optoelectronics and optospintronics: emergent phenomena, materials and applications in Electrical and morphological characterization of carbon nanowall layers obtained by a low-pressure plasma jet	Optoelectronics Into A Powerful Economy. Book of Proceedings / AGIR Publishing House, pp. 185-190, 978-973-720-822-4, 2020	Bogdan I. Bitu, Alexandra M.I. Trefilov, Stefan-Marian Iordache, Sorina Iftimie, Sasa Yehia, Sorin Vizireanu, Gheorghe Dinescu
7.	Exploring The Use Of Warping Networks To Improve The Lidar Optical Retrievals	Proceedings ELC2020, S02O03, 2020	D. Nicolae, C. Talianu, L. Belegante, D. Ene and V. Nicolae
8.	Optoelectronics and optospintronics: emergent phenomena, materials and applications in Plasma Self-organization in High Intensity Laser Beam	Optoelectronics Into A Powerful Economy. Book of Proceedings / AGIR Publishing House, pp. 177-183, 978-973-720-822-4, 2020	Alexei Zubarev, Marina Cuzminschi, Ana-Maria Iordache, Stefan-Marian Iordache, Cristiana E.A. Grigorescu
9.	Optoelectronics and optospintronics: emergent phenomena, materials and applications in Plasmonics, spintronics and label-free spectroscopies - lessons to be learned for interspecies discrimination	Optoelectronics Into A Powerful Economy. Book of Proceedings / AGIR Publishing House, pp. 126-132, 978-973-720-822-4, 2020	C. Rizea, A-M. Iordache, S. M. Iordache, A. Sobetskii, C.N. Zoita, C. R. Stefan, C. Giuglea, A. Mazlum, V. Barna, L. Tortet, A. Tonetto, R. Notonier, M. Militaru, C.E.A. Grigorescu

10.	Optoelectronics and optospintronics: emergent phenomena, materials and applications in Silicon-based tandem heterojunction solar cells incorporating copper oxide: performance optimization and defect analysis	Optoelectronics Into A Powerful Economy. Book of Proceedings / AGIR Publishing House, pp. 147-158, 978-973-720-822-4, 2020	L. Fara, Ø. Nordseth, I. Chilibon, R. Kumar, I. C. Vasiliu, D. Savastru, L. Baschir, D. Craciunescu, S. Fara, E. Monakhov
11.	Optoelectronics and optospintronics: emergent phenomena, materials and applications in Structural modification pattern of plasma deposited graphene nanowall layers induced by nitrogen doping	Optoelectronics Into A Powerful Economy. Book of Proceedings / AGIR Publishing House, pp. 161-167, 978-973-720-822-4, 2020	Alexandra M.I. TREFILOV, Bogdan I. BIȚĂ, Lavinia CARPEN, Ana-Maria IORDACHE, Sorin VIZIREANU, Bogdan A. SAVA, Gheorghe DINESCU
12.	Surface water quality monitoring -a citizen science perspective	Book of Proceedings, AGIR Publishing House, 978-973-720-822-4, 2020	Elfrida Mihaela Carstea (Pfeiffer), Ionela Simona Dontu, Cristina Liana Popa
13.	Optoelectronics and optospintronics: emergent phenomena, materials and applications in Synthesis and complex characterization of a zinc phosphate-tellurite glass as Faraday rotators	Optoelectronics Into A Powerful Economy. Book of Proceedings / AGIR Publishing House, pp. 135-145, 978-973-720-822-4, 2020	M. Elisa, S. M. Iordache, A-M. Iordache, I. C. Vasiliu, B. A. Sava, L. Boroica, M. C. Dinca, A. V. Filip, A. C. Galca, C. Bartha, V. Kuncser, M. Eftimie