

ANEXA 7. Articole stiintifice publicate in reviste stiintifice cotate /indexate ISI

Nr crt	TITLUL	REVISTA	AUTORII	FI
Publicate in reviste cotate ISI				
1.	Heteroepitaxial beta-Ga2O3 on Conductive Ceramic Templates: Toward Ultrahigh Gain Deep-Ultraviolet Photodetection	Advanced Materials Technologies, vol. 6, nr. 9, 10.1002/admt.20210014, 2021	Alfaraj, N., Li, K.-H., Alawein, M., Kang, C. H., Braic, L., Zoita, N. C., Kiss, A. E. , Ng, T. K., Ooi, B. S.	7.848
2.	A comparative investigation of hetero-epitaxial TiC thin films deposited by magnetron sputtering using either hybrid DCMS/HiPIMS or reactive DCMS process	APPLIED SURFACE SCIENCE, vol. 537, nr. 147903, pp. 1-10, 10.1016/j.apsusc.2020.147903, 2021	N.C. Zoita, M. Dinu, A.E. Kiss, C. Logofatu, M. Braic	6.707
3.	Assessing the impact of air pollution and climate seasonality on COVID-19 multiwaves in Madrid, Spain	Environmental Research, vol. 203, nr. 111849, pp. 1-20, 10.1016/j.envres.2021.111849, 2021	M. Zoran, R. Savastru, Dan Savastru, M. Tautan, L. Baschir, D. Tenciu	6.498
4.	Exploring the linkage between seasonality of environmental factors and COVID-19 waves in Madrid, Spain	Process Safety and Environmental Protection, vol. 152, pp. 583-600, 10.1016/j.psep.2021.06.043, 2021	Maria A.Zoran, Roxana S.Savastru, Dan M.Savastru, Marina N.Tautan, Laurentiu A.Baschir, Daniel V.Tenciu	6.158
5.	Aerosol type classification analysis using EARLINET multiwavelength and depolarization lidar observations	Atmospheric Chemistry and Physics, vol. 21, nr. 3, pp. 2211-2227, 10.5194/acp-21-2211-2021, 2021	M. Mylonaki, E. Giannakaki, A. Papayannis, C.A. Papanikolaou, M. Komppula, D. Nicolae, N. Papagiannopoulos, A. Amodeo, H. Baars, O. Soupiona	6.133
6.	Potential new tracers and their mass fraction in the emitted PM10 from the burning of household waste in stoves	Atmospheric Chemistry and Physics, vol. 21, nr. 23, pp. 17855-17864, 10.5194/acp-21-17855-2021, 2021	András Hoffer, Ádám Tóth, Beatrix Jancsek-Turóczy, Attila Machon, Aida Meiramova, Attila Nagy, Luminita Marmureanu , and András Gelencsér	6.133
7.	Pd-decorated CNT as sensitive material for applications in hydrogen isotopes sensing-	International Journal of Hydrogen Energy, vol. 46, nr. 18, pp. 11015-11024, 10.1016/j.ijhydene.2020.	Stefan Marian Iordache , Eusebiu Ilarian Ionete, Ana Maria Iordache , Eugenia Tanasa, Ioan Stamatin,	5.816

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	Application as gas sensor	12.193, 2021	Cristiana Eugenia Ana Grigorescu	
8.	Investigation on the formation, structural and photocatalytic properties of mixed Mn-Zn ferrites nanoparticles embedded in SiO ₂ matrix	Journal of Analytical and Applied Pyrolysis , vol. 158, pp. 105281, https://doi.org/10.1016/j.jaap.2021.105281 , 2021	T. Dippong, E.A. Levei , D. Toloman, L. Barbu-Tudoran, O. Cadar	5.541
9.	Detection of impurities using a SILPG sensor embedded into graphene reinforced composites	Composite Structures, vol. 256, nr. 113062, 10.1016/j.compstruct.2020.113062 , 2021	S.Miclos L.Baschir D.Savastru R.Savastru I.I.Lancranjan	5.407
10.	Impact of annealing temperature and ferrite content embedded in SiO ₂ matrix on the structure, morphology and magnetic characteristics of (Co _{0.4} Mn _{0.6} Fe ₂ O ₄) ₈ (SiO ₂) ₁₀₀₋₈ nanocomposites	Journal of Alloys and Compounds, vol. 868, pp. 159203, https://doi.org/10.1016/j.jallcom.2021.159203 , 2021	T. Dippong, E. A. Levei , C. Leostean, O. Cadar	5.316
11.	Analytical Performance and Validation of a Reliable Method Based on Graphite Furnace Atomic Absorption Spectrometry for the Determination of Gold Nanoparticles in Biological Tissues	NANOMATERIALS, vol. 11, nr. 12, pp. 3370, https://doi.org/10.3390/nano11123370 , 2021	O. Cadar , T. Mocan, C. Roman , M. Senila	5.076
12.	Effect of Silica Embedding on the Structure, Morphology and Magnetic Behavior of (Zn _{0.6} Mn _{0.4} Fe ₂ O ₄) ₈ (SiO ₂) ₍₁₀₀₋₈₎ Nanoparticles	NANOMATERIALS, vol. 11, pp. 2232, https://doi.org/10.3390/nano11092232 , 2021	T. Dippong, I. G. Deac, O. Cadar , E. A. Levei	5.076
13.	Recent advances in synthesis and applications of MFe ₂ O ₄ (M = Co, Cu, Mn, Ni, Zn) nanoparticles	NANOMATERIALS, vol. 11, nr. 6, pp. 1560, https://doi.org/10.3390/nano11061560 , 2021	T. Dippong, E.A. Levei , O. Cadar	5.076
14.	Sol-gel synthesis, structure, morphology and magnetic properties of Ni _{0.6} Mn _{0.4} Fe ₂ O ₄ nanoparticles embedded in SiO ₂ matrix	NANOMATERIALS, vol. 11, nr. 12, pp. 3455, https://doi.org/10.3390/nano11123455 , 2021	T. Dippong, E. A. Levei , I. G. Deac, I. Petean, G. Borodi, O. Cadar	5.076
15.	Synthesis, Characterisation, Photocatalytic Activity, and Aquatic Toxicity	NANOMATERIALS, vol. 11, pp. 1-14, 10.3390/nano11123197 , 2021	L. Andronic, A. Vladescu , A. Enesca	5.076

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	Evaluation of TiO ₂ Nanoparticles			
16.	Effect of heat-treatment temperature and zinc addition on magnetostructural and surface properties of manganese nanoferrite prepared by an ecofriendly sol-gel synthesis	Journal of Materials Research and Technology , vol. 15, pp. 6528-6540, https://doi.org/10.1016/j.jmrt.2021.11.073 , 2021	T. Dippong, I. G. Deac, M. D. Lazar, I. Petean, E. A. Levei , G. Borodi, O. Cadar	5.039
17.	Geometrical and Microphysical Properties of Clouds Formed in the Presence of Dust above the Eastern Mediterranean	Remote Sensing, vol. 13, nr. 24, pp. 5001, https://doi.org/10.3390/rs13245001 , 2021	Marinou, E.; Voudouri, K.A.; Tsikoudi, I.; Drakaki, E.; Tsekeri, A.; Rosoldi, M.; Ene, D. ; Baars, H.; O'Connor, E.; Amiridis, V.; Meleti, C.	4.848
18.	SAMIRA-SATellite Based Monitoring Initiative for Regional Air Quality	Remote Sensing, vol. 13, nr. 11, pp. 2219, 10.3390/rs13112219 , 2021	K. Stebel, I.S. Stachlewska, A. Nemuc , J. Horálek, P. Schneider, N. Ajtai, A. Diamandi, N. Benešová, M. Boldeanu , C. Botezan, J. Marková, R. Dumitrache, A. Iriza-Burcă, R. Juras, D. Nicolae , V. Nicolae , P. Novotný, H. Štefánie, L. Vaněk, O. Vlček, O. Zawadzka-Manko, C. Zehner	4.848
19.	Evaluation of surface modification techniques on the ability of apatite formation and corrosion behavior in synthetic body fluid: an in vitro study	Surfaces and Interfaces, vol. 22, nr. 100866, pp. 1-21, 10.1016/j.surfin.2020.100866 , 2021	C.M. Cotrut, I.C. Ionescu, E. Ungureanu, A. Berbecaru, R.I. Zamfir, A. Vladescu , D.M. Vranceanu	4.837
20.	A novel therapeutic phosphate-based glass improves full-thickness wound healing in a rat model	Biotechnology Journal, vol. 16, nr. 9, https://doi.org/10.1002/biot.202100031 , 2021	C.A. Taulescu, M. Taulescu, M. Suci, L.C. Bolundut, P. Pascuta, C. Toma, A. Urda-Campean, A. Dreanca, M. Senila , O. Cadar , R. Stefan	4.677
21.	Adsorption and desorption behavior of natural and synthetic active compounds on hydroxyapatite-based nanocomposites	Ceramics International, vol. 47, nr. 6, pp. 8584-8592, https://doi.org/10.1016/j.ceramint.2020.11.226 , 2021	R. Barabas, N.I. Farkas, C.L. Nagy, O. Cadar , C. Moisa, L. Bizo	4.527
22.	Application of inductively coupled plasma	Molecules, vol. 26, nr. 22, pp. 6788,	A. I. Torok , E.A. Levei , S.Constantin, O.T.	4.411

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	spectrometric techniques and multivariate statistical analysis in the hydrogeochemical profiling of caves—case study Cloșani, Romania	https://doi.org/10.3390/molecules26226788 , 2021	Moldovan, M. Senila , O. Cadar , D.Casoni, B. S. Angyus , C. Tanaselia , E. Covaci, T.Frentiu	
23.	Simultaneous determination of As, Bi, Sb, Se, Te, Hg, Pb and Sn by small-sized electrothermal vaporization capacitively coupled plasma microtorch optical emission spectrometry using direct liquid microsampling	Molecules, vol. 26, nr. 9, pp. 2642, https://doi.org/10.3390/molecules26092642 , 2021	S.B. Angyus , E. Levei , D. Petreus, R. Etz, E. Covaci, O.T. Moldovan, M. Ponta, E. Darvasi, T. Frentiu	4.411
24.	Simultaneous determination of vitamins D3 (Calcitriol, Cholecalciferol) and K2 (Menaquinone-4 and Menaquinone-7) in dietary supplements by UHPLC	Molecules, vol. 26, nr. 22, pp. 6982, https://doi.org/10.3390/molecules26226982 , 2021	A. Becze , V.L. Babalau , Fuss , D.A. Scurtu , M. Tomoaia-Cotisel, A. Mocanu, O. Cadar	4.411
25.	Supercritical CO ₂ extraction of palladium oxide from an aluminosilicate-supported catalyst enhanced by a combination of complexing polymers and piperidine	Molecules, vol. 26, nr. 3, pp. 684, https://doi.org/10.3390/molecules26030684 , 2021	A. Ruiu, B. Bauer-Siebenlist, M. Senila , W. S. J. Li, K. Seaudeau-Pirouley, P. Lacroix-Desmazes, T. Jänisch	4.411
26.	Comprehensive mineralogical and physicochemical characterization of recent sapropels from Romanian saline lakes for potential use in pelotherapy	SCIENTIFIC REPORTS, vol. 11, pp. 18633, https://doi.org/10.1038/s41598-021-97904-1 , 2021	A. Baricz, E. A. Levei , M. Șenilă , S. Cîntă Pînzaru, M. Aluaș, A. Vulpoi, C. Filip, C. Tripon, D. Dădârlat, D. M. Buda, F. V. Dulf, A. Pintea, A. Cristea, V. Muntean, Z. G. Keresztes, M. Alexe, H. L. Banciu	4.379
27.	Effect on Nutritional and functional characteristics by encapsulating Rose canina powder in enriched corn extrudates	Foods, vol. 10, nr. 10, pp. 2401, https://doi.org/10.3390/foods10102401 , 2021	M. Igual, M.S. Chiș, A. Păucean, D. C. Vodnar, F. Ranga, T. Mihăiescu, A. I. Török , A. Fărcaș, J.Martínez-Monzó, P. García-Segovia	4.35
28.	Food consumption patterns in Romania	Foods, vol. 10, nr. 11, pp. 2712,	D. E. Dumitras, R. Harun, F. H. Arion, D. I. Chiciudean,	4.35

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	during the COVID-19 pandemic	https://doi.org/10.3390/foods10112712 , 2021	E. Kovacs , C. F. Oroian, A. Porutiu, I.C. Muresan	
29.	Influence of Mn ²⁺ substitution with Co ²⁺ on structural, morphological and coloristic properties of MnFe ₂ O ₄ /SiO ₂ nanocomposites	Materials Characterization, vol. 172, pp. 110835, https://doi.org/10.1016/j.matchar.2020.110835 , 2021	T. Dippong, E.A. Levei , F. Goga, O. Cadar	4.342
30.	Intercomparison and characterization of 23 Aethalometers under laboratory and ambient air conditions: procedures and unit-to-unit variabilities	Atmospheric Measurement Techniques, vol. 14, nr. 4, pp. 3195-3216, 10.5194/amt-14-3195-2021 , 2021	A. Cuesta-Mosquera, G. Močnik, L. Drinovec, T. Müller, S. Pfeifer, M.C. Minguillón, B. Briel, P. Buckley, V. Dudoitis, J. Fernández-García, M. Fernández-Amado, J.F. De Brito, V. Riffault, H. Flentje, E. Heffernan, N. Kalivitis, A.C. Kalogridis, H. Keernik, L. Marmureanu , K. Luoma, A. Marinoni, M. Pikridas, G. Schauer, N. Serfozo, H. Servomaa, G. Titos, J. Yus-Díez, N. Zioła, A. Wiedensohler	4.176
31.	Polarization lidar for detecting dust orientation: system design and calibration	Atmospheric Measurement Techniques, vol. 14, nr. 12, pp. 7453-7474, 10.5194/amt-14-7453-2021 , 2021	Tsekeri A., Amiridis V., Louridas A., Georgoussis G., Freudenthaler V., Metallinos S., Doxastakis G., Gasteiger J., Siomos N., Paschou P., Georgiou T., Tsaknakis G., Evangelatos C., Biniotoglou I.	4.176
32.	A 41-year bioclimatology of thermal stress in Europe	INTERNATIONAL JOURNAL OF CLIMATOLOGY, vol. 41, nr. 7, pp. 3934-3952, 10.1002/joc.7051 , 2021	B. Antonescu, L. Marmureanu, J. Vasilescu, C. Marin, S. Andrei, M. Boldeanu, D. Ene, A. Tilea	4.069
33.	Use of black poplar leaves for the biomonitoring of air pollution in an urban agglomeration	Plants, vol. 10, nr. 3, pp. 548, https://doi.org/10.3390/plants10030548 , 2021	L. Levei, O. Cadar, V. Babalau-Fuss, E. Kovacs, A. I. Torok, E. Andrea Levei , A.Ozunu	3.935
34.	Design, in vitro bioactivity and in vivo influence on oxidative stress and matrix metalloproteinases of bioglasses in experimental skin wound	Journal of Trace Elements in Medicine and Biology, vol. 68, pp. 126846, https://doi.org/10.1016/j.jtemb.2021.126846 , 2021	G.A. Filip, M. Achim, P. Mihalte, M.O. Miclaus, C. Cristea, G. Melinte, B. Gheban, D.M. Munteanu, O. Cadar , I. Slmon, O. Pana, L.B. Tudoran, S. Clichici, R. Stefan	3.849
35.	Uterine Artery	Diagnostics, vol. 11, nr.	Bohiletea R, Ducu I, Mihai B,	3.706

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	Embolization Combined with Subsequent Suction Evacuation as Low-Risk Treatment for Cesarean Scar Pregnancy	12, pp. 2350, https://doi.org/10.3390/diagnostics11122350 , 2021	Iordache AM , Dorobat B, Vladareanu EM, Iordache SM , Bohiltea AT, Bacalbasa N, Grigorescu CEA , Varlas V	
36.	Assessment of Lithium, Macro- and Microelements in Water, Soil and Plant Samples from Karst Areas in Romania	Materials, vol. 14, nr. 14, pp. 4002, https://doi.org/10.3390/ma14144002 , 2021	A. I. Török, A. Moldovan, E. A. Levei, O. Cadar, C. Tănăsolia, O. T. Moldovan	3.623
37.	Effect of deep cryogenic treatment on corrosion behavior of AISI H13 die steel	Materials, vol. 14, pp. 1-13, 10.3390/ma14247863 , 2021	T. Shinde, C. Pruncu, N.B. Dhokey, A.C. Parau, A. Vladescu	3.623
38.	Evaluation of the impact of different natural zeolite treatments on the capacity of eliminating/reducing odors and toxic compounds	Materials, vol. 14, nr. 13, pp. 3724, https://doi.org/10.3390/ma14133724 , 2021	V. L. Babalau Fuss, G. Bruj, L. Dordai, M. Roman, O. Cadar, A. Becze	3.623
39.	Formation, Structure and Magnetic Properties of $MFe_2O_4@SiO_2$ (M = Co, Mn, Zn, Ni, Cu) Nanocomposites	Materials, vol. 14, nr. 5, pp. 1139, https://doi.org/10.3390/ma14051139 , 2021	T. Dippong, E. A. Levei, O. Cadar	3.623
40.	Immobilization of potentially toxic elements in contaminated soils using thermally treated natural zeolite	Materials, vol. 14, nr. 14, pp. 3777, https://doi.org/10.3390/ma14143777 , 2021	O. Cadar, Z. Dinca, M. Senila, A.I. Torok, F. Todor, E.A. Levei	3.623
41.	Thin Films Deposition of Ta ₂ O ₅ and ZnO by E-Gun Technology on Co-Cr Alloy Manufactured by Direct Metal Laser Sintering	Materials, vol. 14, pp. 1-13, 10.3390/ma14133666 , 2021	D.I. Baila, C. Vitelaru, R. Trusca, L. R. Constantin, A. Pacurar, C.A. Parau, R. Pacurar	3.623
42.	The Application of Electromagnetic Sensors for Determination of Cherenkov Cone Inside and in the Vicinity of the Detector Volume in Any Environment Known	Sensors, vol. 21, nr. 3, 10.3390/s21030992 , 2021	Valeriu Savu, Mădălin Ion Rusu * and Dan Savastru	3.576
43.	Magneto-optical properties of borophosphate glasses co-doped with Tb ³⁺ and	JOURNAL OF NON-CRYSTALLINE SOLIDS, vol. 568, pp. 120967, 10.1016/j.jnoncrysol.2021	M. C. Dinca, B. A. Sava, A. C. Galca, V. Kuncser, N. Iacob, G. E. Stan, L. Boroica, A. V. Filip, M.	3.531

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	Dy(3+)ions	.120967, 2021	Elisa	
44.	Peculiarities of the structural and optical properties of rare-earth-doped phosphate glasses for temperature sensing applications	JOURNAL OF NON-CRYSTALLINE SOLIDS, vol. 556, pp. 120569, https://doi.org/10.1016/j.jnoncrysol.2020.120569 , 2021	M. Elisa, S.-M. Iordache, A.-M. Iordache, I. C. Vasiliu, C. E. A. Grigorescu, B. A. Sava, L. Boroica, A. V. Filip, M. C. Dinca, C. Bartha, N. De Acha, C. Elosua Aguado,	3.531
45.	Rapid and application-tailored assessment tool for biogenic powders from crustacean shell waste: Fourier Transform-Infrared Spectroscopy Complemented with X-ray Diffraction, Scanning Electron Microscopy, and Nuclear Magnetic Resonance Spectroscopy	ACS Omega , vol. 6, nr. 42, pp. 27773-27780, https://doi.org/10.1021/acsomega.1c03279 , 2021	L. Ogresta, F. Nekvapil, T. Tămaș, L. Barbu-Tudoran, M. Suci, R. Hirian, M. Aluaș, G. Lazar, E. Levei , B. Glamuzina, S. Cintă Pinzaru	3.512
46.	Silicon-integrated monocrystalline oxide-nitride heterostructures for deep-ultraviolet optoelectronics	OPTICAL MATERIALS EXPRESS, vol. 11, nr. 12, pp. 4130-4144, 10.1364/OME.443872, 2021	N. Alfaraj, K. Li, C. Kang, L. Braic, N. C. Zoita, A. Kiss, T. Ng, and B. Ooi	3.442
47.	New evidence from hyperspectral imaging analysis on the effect of photobiomodulation therapy on normal skin oxygenation	Lasers in Medical Science, DOI: 10.1007/s10103-021-03397-9, 2021	Mihaela Antonina CALIN, Adrian MACOVEI, Roxana SAVASTRU, Adriana Sarah NICA, Sorin Viorel PARASCA	3.161
48.	Water quality and hydrogeochemical characteristics of some karst water sources in Apuseni Mountains, Romania	Water, vol. 13, nr. 6, pp. 857, https://doi.org/10.3390/w13060857 , 2021	M.-A. Hoaghia, A. Moldovan, E. Kovacs, I. C. Mirea, M. Kenesz, T. Brad, O. Cadar, V. Micle, E. A. Levei, O. T. Moldovan	3.103
49.	Ion release from hydroxyapatite and substituted hydroxyapatites in different immersion liquids: in vitro experiments and theoretical modelling study	ROYAL SOCIETY OPEN SCIENCE, vol. 8, nr. 1, pp. 201785, https://doi.org/10.1098/rsos.201785 , 2021	A. Mocanu, O. Cadar, P.T. Frangopol, I. Petean, G. Tomoaia, G.A. Paltinean, C. Pal Racz, O. Horrovitz, M. Tomoaia-Cotisel	2.963
50.	Corrosion Improvement of 304L Stainless Steel by ZrSiN and ZrSi(N,O) Mono- and Double-Layers	Coatings, vol. 11, pp. 1-19, 10.3390/coatings11101257, 2021	M. Dinu, A. C. Parau, A. Vladescu , A. E. Kiss, I. Pana, E. S. M. Mouele, L. F. Petrik, V. Braic	2.881

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	Prepared by Reactive Cathodic Arc Evaporation			
51.	Effect of Doping Element and Electrolyte's pH on the Properties of Hydroxyapatite Coatings Obtained by Pulsed Galvanostatic Technique	Coatings, vol. 11, pp. 1-15, 10.3390/coatings11121522, 2021	E. Ungureanu, D.M. Vranceanu, A. Vladescu , A. Parau , M. Tarcolea, C.M. Cotrut	2.881
52.	Functionalized Carbon Nanotubes for Chemical Sensing: Electrochemical Detection of Hydrogen Isotopes	Coatings, vol. 11, nr. 8, pp. 968, 10.3390/coatings11080968, 2021	Stefan-Marian Iordache , Eusebiu Ilarian Ionete, Ana-Maria Iordache , Ioan Stamatin, Nicolae Catalin Zoita , Arcadie Sobetkii, Cristiana Eugenia Ana Grigorescu	2.881
53.	Zn-Doped CaP-Based Coatings on Ti-6Al-4V and Ti-6Al-7Nb Alloys Prepared by Magnetron Sputtering: Controllable Biodegradation, Bacteriostatic, and Osteogenic Activities	Coatings, vol. 11, pp. 1-23, 10.3390/coatings11070809, 2021	K.A. Prosolov, D.V. Mitrichenko, A.B. Prosolov, O.O. Nikolaeva, V.V. Lastovka, O.A. Belyavskaya, V.A. Chebodaeva, I.A. Glukhov, L.S. Litvinova, V.V. Shupletsova, O.G. Khaziakhmatova, V.V. Malashchenko, K.A. Yurova, E.O. Shunkin, M.A. Fedorov, A.R. Komkov, V.V. Pavlenko, I.I. Anisenya, Y.P. Sharkeev, A. Vladescu , I.A. Khlusov,	2.881
54.	Valorization of vine tendrils resulted from pruning as densified solid biomass fuel (briquettes)	Processes, vol. 9, nr. 8, pp. 1409, https://doi.org/10.3390/p9081409 , 2021	I.Tenu, C. Roman , L. Senila , R. Rosca, P. Carlescu, M. Baetu, V. Arsenoia, E.P. Dumitrachi, O.R. Corduneanu	2.847
55.	Pedological characterization of soils in Gutai Mountains near a mining area, Romania	Environmental Earth Sciences, vol. 80, pp. 164, https://doi.org/10.1007/s12665-021-09473-1 , 2021	Z. Vosgan, T. Dippong, M.-A. Hoaghia , C. Mihali, L. Mihalescu	2.784
56.	A Decade of Poland-AOD Aerosol Research Network Observations	ATMOSPHERE, vol. 12, nr. 12, pp. 1583, 10.3390/atmos12121583, 2021	Markowicz K.M., Stachlewska I.S., Zawadzka-Manko O., Wang D., Kumala W., Chilinski M.T., Makuch P., Markuszewski P., Rozwadowska A.K., Petelski T., Zielinski T., Posyniak M., Kaminski J.W., Szkop A., Pietruczuk	2.686

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			A., Chojnicki B.H., Harenda K.M., Poczta P., Uscka-Kowalkowska J., Struzewska J., Werner M., Kryza M., Drzeniecka-Osiadacz A., Sawinski T., Remut A., Mietus M., Wiejak K., Markowicz J., Belegante L., Nicolae D.	
57.	Object-oriented classification approach for bone metastasis mapping from whole-body bone scintigraphy	Physica Medica, vol. 84, pp. 141-148, DOI: 10.1016/J.EJMP.2021.03.040, 2021	Mihaela Antonina CALIN , Florina-Gianina ELFARRA, Sorin Viorel PARASCA	2.685
58.	Investigation of ancient wall painting fragments discovered in the Roman baths from Alburnus Maior by complementary non-destructive techniques	Applied Sciences, vol. 1, nr. 10049, https://doi.org/10.3390/app112110049 , 2021	I.M.Cortea, L. Ratoiu, L. Ghervase, O. Țentea, M. Dinu	2.679
59.	Multi-Input Convolutional Neural Networks for Automatic Pollen Classification	Applied Sciences, vol. 11, nr. 24, pp. 11707, 10.3390/app112411707, 2021	Boldeanu, M. ; Cucu, H.; Burileanu, C.; Mărmureanu, L.	2.679
60.	Population Bias on Tornado Reports in Europe	APPLIED SCIENCES-BASEL, vol. 11, nr. 23, pp. 11485, https://doi.org/10.3390/app112311485 , 2021	R. Pirloaga, D. Ene, B. Antonescu	2.679
61.	Spatial Variation of Water Chemistry in Aries River Catchment, Western Romania	Applied Sciences, vol. 11, nr. 14, pp. 6592, https://doi.org/10.3390/app11146592 , 2021	A. Moldovan, M-A. Hoaghia, A. I. Török, M. Roman , I.C. Mirea, R. Barabas, V. Micle, O.Cadar	2.679
62.	Pulsed laser deposition films based on CdSe-doped zinc aluminophosphate glass	JOM, vol. 73, nr. 2, pp. 495-503, https://doi.org/10.1007/s11837-020-04150-3 , 2021	M. Elisa, S. M. Iordache, A.-M. Iordache, M. I. Rusu , G. Socol, M. Filipescu, C. Bartha, M. Enculescu	2.471
63.	Cervical Cancer Mortality in Romania: Trends, Regional and Rural–Urban Inequalities, and Policy Implications	Medicina-Lithuania, vol. 58, nr. 1, pp. 18, https://doi.org/10.3390/medicina58010018 , 2021	Furtunescu, F.; Bohiltea, R.E.; Neacsu, A.; Grigoriu, C.; Pop, C.S.; Bacalbasa, N.; Ducu, I.; Iordache, A.-M. ; Costea, R.V.	2.43
64.	Emerging Therapeutic Concepts and Latest Diagnostic Advancements Regarding Neuroendocrine Tumors of the Gynecologic Tract	Medicina, vol. 57, nr. 12, pp. 1338, 10.3390/medicina57121338, 2021	Georgescu, T.-A.; Bohiltea, R.E.; Munteanu, O.; Furtunescu, F.; Lisievici, A.-C.; Grigoriu, C.; Gherghiceanu, F.; Vlădăreanu, E.M.; Berceanu, C.; Ducu, I.;	2.43

Nr crt	TITLUL	REVISTA	AUTORII	FI
			Iordache, A.-M.	
65.	Design, analysis and evaluation of titanium antenna reflector for deep space missions	Acta Astronautica, vol. 184, pp. 101-118, 10.1016/j.actaastro.2021.04.006, 2021	D. Mihai, R. Mihalache, I.F. Popa, I.S. Vintila, D. Datcu, I. Ciocan, V. Braic, I. Pana, A.E. Kiss, N.C. Zoita, P. Burlacu	2.413
66.	New Ti-35Nb-7Zr-5Ta Alloy Manufacturing by Electron Beam Melting for Medical Application Followed by High Current Pulsed Electron Beam Treatment	METALS, vol. 11, pp. 1-21, 10.3390/met11071066, 2021	M. Surmeneva, I. Grubova, N.Glukhova, D. Khrapov, A. Koptuyug, A. Volkova, Y. Ivanov, C.M. Cotrut, A. Vladescu, A. Teresov, N. Koval, A. Tyurin, R. Surmenev,	2.351
67.	Characterization of the nuclear magnetic resonance relativity of gadolinium functionalized magnetic nanoparticles	Analytical Letters, vol. 54, nr. 1-2, pp. 124-139, DOI: 10.1080/00032719.2020.1731522, 2021	A. Nan, M. Suci, I. Ardelean. M. Senila, R. Turcu	2.329
68.	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, pp. 1-10, https://doi.org/10.1080/00032719.2021.1959603 , 2021	L. Senila, D.A. Scurtu, E. Kovacs, M.Senila, C.H. Tomoiag, C.Roman	2.329
69.	Determination of the uptake of ibuprofen, ketoprofen, and diclofenac by tomatoes, radishes, and lettuce by gas chromatography–mass spectrometry (GC–MS)	Analytical Letters, vol. 54, nr. 1-2, pp. 314-330, DOI: 10.1080/00032719.2020.1779278, 2021	E. D. Kovacs, L. Silaghi-Dumitrescu, M. H. Kovacs, C. Roman	2.329
70.	Green protocols for the isolation of carbohydrates from vineyard vine-shoot waste	Analytical Letters, vol. 54, nr. 1-2, pp. 70-87, https://doi.org/10.1080/00032719.2020.1721001 , 2021	E. Kovacs, D. A. Scurtu, L. Senila, O. Cadar, D. E. Dumitras, C. Roman	2.329
71.	Removal of methylene blue on thermally treated natural zeolites	Analytical Letters, pp. 1-11, https://doi.org/10.1080/00032719.2021.1922431 , 2021	L. Senila, E. Neag, O. Cadar, A. Becze, D.A. Scurtu, C.H. Tomoiag, M. Senila	2.329
72.	Dy ³⁺ and Tb ³⁺ co-doped boro-phosphate sol–gel vitreous thin films	Journal of Sol-Gel Science and Technology , vol. 97, pp. 39-47, https://doi.org/10.1007/s10971-020-05427-4 , 2021	Bogdan Alexandru Sava, Ana Violeta Filip; Lucica Boroica; Mihai Eftimie; Marius Catalin Dinca; Andrei Soroaia; Alexandra	2.326

Nr crt	TITLUL	REVISTA	AUTORII	FI
			Maria Isabel Trefilov; Mihaela Filipescu; Simona Brajnicov; Antoniu Moldovan; Ana-Maria Iordache, Mihail Elisa	
73.	Simulation of Vesuvius volcanic ash hazards within Romanian airspace using the hybrid single-particle lagrangian integrated trajectory volcanic ash numerical model	METEOROLOGICAL APPLICATIONS, vol. 28, nr. 3, 10.1002/met.2001, 2021	A.D. Urlea, N. Barbu, S. Andrei , S. Stefan	2.119
74.	Unveiling the original layers and color palette of 18th century overpainted Transylvanian icons by combined X-ray radiography, hyperspectral imaging, and spectroscopic spot analysis	X-Ray Spectrometry, vol. 51, nr. 1, pp. 26-41, https://doi.org/10.1002/xrs.3249 , 2021	I.M. Cortea, L. Ratoiu, A. Chelmuș , Theo Mureșan	1.488
75.	Multi-analytical approach for characterization of archaeological pottery excavated in the Early-Neolithic settlement of Chavdar, Bulgaria	SPECTROSCOPY LETTERS, vol. 54, nr. 7, pp. 549-559, https://doi.org/10.1080/00387010.2021.1957940 , 2021	V. Atanassova, L. Ghervase, I. M. Cortea , V. Mihailov, V. Tankova, V. Nikolov	1.179
76.	Multilayer Langmuir-Blodgett thin films studies for chemical sensors development	JOURNAL OF OVONIC RESEARCH , vol. 17, nr. 14, pp. 405-410, 1842-2403, 2021	L. Baschir , I. D. Simandan, F. Sava , A. Mihailescu , G. Socol	1.165
77.	Revitalization of pesticide-polluted agricultural soil functions by microbiome transplantation	Environmental Engineering and Management Journal, vol. 20, nr. 4, pp. 531-545, https://doi.org/10.30638/eemj.2021.052 , 2021	E.D. Kovacs , T. Rusu, L. Szajdak, D. Tian, C. Roman , L. Senila, M.H. Kovacs	0.916
78.	Salinity Optical Sensor Based on Surface Plasmon Resonance Structure with As ₂ S ₃ Waveguide	Macromolecular Symposia, vol. 396, nr. 1, https://doi.org/10.1002/masy.202000328 , 2021	Sorin Miclos, Aurelian Popescu, Dan Savastru, Laurentiu Baschir	0.913
79.	The Application of Surface Plasmon Resonance with As ₂ S ₃ Waveguide for Alcohols Identification	Macromolecular Symposia, vol. 396, nr. 1, 10.1002/masy.20200032, 2021	Aurelian Popescu, Sorin Miclos, Dan Savastru , and Laurentiu Baschir	0.913
80.	Ge-Sb-Se AMORPHOUS	UPB Scientific Bulletin,	G. Vasile, M. Stafe, A.	0.903

Nr crt	TITLUL	REVISTA	AUTORII	FI
	CHALCOGENIDE BASED PLASMONIC PLANAR WAVEGUIDES FOR OPTICAL MEMORIES APPLICATIONS	Series A: Applied Mathematics and Physics, vol. 83, nr. 4, pp. 275-284, 1223-7027, 2021	Popescu, Dan Savastru, D. Tenciu, C. Negutu, N. Puscas	
81.	Multifractal cross-correlation of atmospheric pollutants and temperature in different environments	University Politehnica of Bucharest Scientific Bulletin-Series A-Applied Mathematics and Physics, vol. 83, nr. 2, pp. 227-238, 1223-7027, 2021	C. Marin, C. Stan, C.P. Cristescu	0.903
82.	β -Galactosidase detection using a Long period grating fiber sensors	University Politehnica of Bucharest Scientific Bulletin-Series A-Applied Mathematics and Physics, vol. 83, nr. 4, pp. 243-252, 1223-7027, 2021	L. Baschir, Dan Savastru, S. Miclos	0.903
83.	E. Coli detection using surface plasmon resonance	Chalcogenide Letters, vol. 18, nr. 6, pp. 283-288, 1584-8663, 2021	L. Baschir, S. Miclos D. Savastru , A. A. Popescu	0.885
84.	Hydrocarbons detection using surface plasmon resonance with As ₂ S ₃ thin film waveguide	Chalcogenide Letters, vol. 18, nr. 9, pp. 535-540, 1584-8663, 2021	L. Baschir, S. Miclos, D. Savastru, I. D. Simandan, A. A. Popescu	0.885
85.	Tornadoes in the Russian Regions	RUSSIAN METEOROLOGY AND HYDROLOGY, vol. 46, nr. 2, pp. 69-82, 10.3103/S1068373921020023, 2021	A.V. Chernokulsky, M.V. Kurgansky, I.I. Mokhov, A.N. Shikhov, I.O. Azhigov, E.V. Selezneva, D.I. Zakharchenko, B. Antonescu, T. Kuhne	0.768
86.	Determining the optimal printing conditions for the production of a fertigation pump prototype with FDM technology	Materiale Plastice, vol. 58, nr. 2, pp. 140-149, DOI: 10.37358/MP.21.2.5485; ISSN 0025-5289, 2021	Alexandru-Polifron Chiriță, Gheorghe Șovăială, Valentin Barbu, Marian Blejan, Ioan Pavel	0.593
87.	Modelling optical fiber for LPGFS systems	Journal of Optoelectronics and Advanced Materials, vol. 23, nr. 9-10, pp. 433-438, 1454 - 4164, 2021	L. Baschir, Dan Savastru, S. Miclos	0.587
88.	Optoelectronic investigation for determination of plastics polymers behavior in surface water	Journal of Optoelectronics and Advanced Materials, vol. 23, nr. 11-12, pp. 624-629, 1454 - 4164, 2021	I. S. DONTU*, C. L. POPA, E. M. CARSTEA, D. TENCIU	0.587
89.	Phase and structural characterization of phosphate-tellurite	Journal of Optoelectronics and Advanced Materials, vol.	M. Elisa, I. C. Vasiliu, B. A. Sava, L. Boroica, A. V. Filip, M. C. Dinca, C.	0.587

Nr crt	TITLUL	REVISTA	AUTORII	FI
	crystalline materials	23, nr. 5-6, pp. 257-263, 1841 - 7132, 2021	Bartha	
90.	Spectroscopic identification of histamine using metalloporphyrins and their electrochemical characterization	Journal of Optoelectronics and Advanced Materials, vol. 23, nr. 11-12, pp. 630-633, 1841 - 7132, 2021	A-M. Iordache, S-M. Iordache , R. Bohiltea, V. Barna, C. Rizea, A. Mazlum, V. Capatina, C.E.A. Grigorescu	0.587
91.	Evaluation of the qualities of Camelina Sativa oil as raw material for biokerosene	Romanian Agricultural Research, vol. 38, pp. 93-98, https://doi.org/ , 2021	A.Becze, A. Naghiu, L. Senila, O. Cadar, C. Tanaselia , C. Topan	0.5
92.	COST Lecture 2019 AE GM Barcelona: International Network to Encourage the Use of Monitoring and Forecasting Dust Products (InDust)	EUROPEAN REVIEW, vol. 29, nr. 1, pp. 45-59, 10.1017/S1062798720000733, 2021	A. Nemuc , S. Basart, A. Tobias, S. Nickovic, F. Barnaba, S. Kazadzis, L. Mona, V. Amiridis, A. Vukovic, I.J. Christel, P. Dagsson Waldhauserová, A. Monteiro	0.487
93.	A straightforward method for determination of Ba and Sr total content in natural zeolites based on microwave-assisted digestion and inductively coupled plasma optical emission spectrometry	STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA, vol. 66, nr. 2, pp. 105-116, https://doi.org/10.24193/subbchem.2021.2.09 , 2021	M. Senila, O. Cadar, L. Senila, A. Becze, M. Roman, B. Angyus , G. Bruj	0.447
94.	Activated natural zeolites for petroleum hydrocarbons adsorption	STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA, vol. 66, nr. 2, pp. 95-104, https://doi.org/10.24193/subbchem.2021.2.08 , 2021	M.-A. Hoaghia , I. Aschilean, V. Babalau-Fuss, A. Becze, O. Cadar, C. Roman, M. Roman, M. Senila, E. Kovacs	0.447
95.	Assessment of toxic elements contamination in surface water and sediments in a mining affected area	STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA, vol. 66, nr. 2, pp. 189-205, https://doi.org/10.24193/subbchem.2021.2.16 , 2021	A. Moldovan, A. I. Torok, O. Cadar, M. Roman, C. Roman , V.Micle	0.447
96.	BEHAVIOR OF SILVER AND GOLD NANOPARTICLES IN SIMULATED BIOLOGICAL FLUIDS: NEEDS AND CHALLENGES	STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA, vol. 66, nr. 2, pp. 67-80, https://doi.org/10.24193/subbchem.2021.2.06 , 2021	Z. Dinca , T. Mocan, L. Senila, O. Cadar	0.447
97.	Ex-situ portable x-ray fluorescence spectrometry for the major elements determination in silicate	STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA, vol. 66, nr. 2, pp. 117-126, https://doi.org/10.24193/subbchem.2021.2.10 ,	A. I. Török, C. Tănăsolia, C. Roman , F. Puskas, M. Senila	0.447

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	geological samples using matrix-matching standards for calibration	2021		
98.	FATTY ACIDS COMPOSITION FROM ROSA CANINA AND PRUNUS SPINOSA PLANT FRUIT OIL	STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA, vol. 66, nr. 2, pp. 41-48, https://doi.org/10.24193/subbchem.2021.2.03 , 2021	V. Babalau-Fuss, L. Senila, A. Becze, O.B. Al-Zaben, M. Darja, M. Tofana	0.447
99.	GC-MS analysis of some plastic components from 1997-2003 computer main boards	STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA, vol. 66, nr. 2, pp. 163-170, https://doi.org/10.24193/subbchem.2021.2.14 , 2021	D. Kovacs, D. Simedru, M. Kovacs	0.447
100.	Higuchi Model Applied to ions release from hydroxyapatites	STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA, vol. 66, nr. 3, pp. 195-207, https://doi.org/10.24193/subbchem.2021.3.12 , 2021	A. Mocanu, P.T. Frangopol, R. Balint, O. Cadar , I.M. Vancea, R. Mantiu, O. Horovitz, M. Tomoaia-Cotisel	0.447
101.	Lead isotopic ratio determination in cave sediments using triple-quadrupole inductively coupled plasma mass spectrometry	STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA, vol. 66, nr. 4, pp. 23-31, https://doi.org/10.24193/subbchem.2021.4.02 , 2021	A.I. Török, C. Tănăsolia, A. Moldovan, B. Angyus, E. A. Levei, C. Roman	0.447
102.	Method validation for the determination of exchangeable cations in natural zeolites using inductively coupled plasma optical emission spectrometry	STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA, vol. 66, nr. 2, pp. 81-94, https://doi.org/10.24193/subbchem.2021.2.07 , 2021	M. Senila, O. Cadar, M.A. Hoaghia, Z. Dinca, L. Senila, I. Aschilean, C. Roman	0.447
103.	Nutrient and organic matter removal from chicken manure leachate using Chlorella spp.	STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA, vol. 66, nr. 2, pp. 213-220, https://doi.org/10.24193/subbchem.2021.2.18 , 2021	Z. Dincă, M.-A. Hoaghia, A.-I. Török, E. Kovacs, O. Cadar, E. Neag, C. Roman	0.447
104.	Optimization of gold sorption from ammoniacal thiosulphate solution on anion exchange fiber using Taguchi Experimental Design	STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA, vol. 66, nr. 2, pp. 151-161, https://doi.org/10.24193/subbchem.2021.2.13 , 2021	E. Neag, A. I. Torok, Z. Dinca, M. Senila, C. Varaticeanu, E.A. Levei, E. Shilova, F. Bodenan	0.447
105.	Physico-chemical characterization of water	STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA,	T. Dippong, C. Mihali, O. Mare Rosca, M. Marian, M.	0.447

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	wells from Remeti, Maramures	vol. 66, nr. 2, pp. 197-212, https://doi.org/10.24193/subbchem.2021.2.17 , 2021	M. Payer, M. Tibirnac, S. Bud, G. Coman, E. Kovacs, M.-A. Hoaghia	
106.	REMOVAL OF RHODAMINE FROM AQUEOUS SOLUTIONS USING NATURAL ZEOLITE	STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA, vol. 66, nr. 2, pp. 171-180, https://doi.org/10.24193/subbchem.2021.2.15 , 2021	L. Senila, E. Neag, D.A. Scurtu, O. Cadar, A. Becze, C.H. Tomoiag, M. Senila	0.447
107.	Submicron airborne dust particle monitoring system	STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA, vol. 66, nr. 2, pp. 221-232, https://doi.org/10.24193/subbchem.2021.2.19 , 2021	C. Roman, M. Roman, L. Dordai, E. Kovacs, M.-A. Hoaghia, F. Puskas	0.447
108.	The influence of some technological factors on the functional food characteristics of carrots in the hilly area of Transylvania	STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA, vol. 66, nr. 4, pp. 51-60, https://doi.org/10.24193/subbchem.2021.4.04 , 2021	L. Dordai, C. Roman, M. Roman, A. Naghiu	0.447
109.	Screen printed electrodes based on metalloporphyrins and SWCNT for neurotransmitters detection: Raman spectroscopy and cyclic voltammetry investigation	Optoelectronics and Advanced Materials- Rapid Communications, vol. 15, nr. 11-12, pp. 632-636, 2065 - 3824, 2021	S. M. Iordache, A.-M. Iordache, R. Bohiltea, V. Barna, C. Rizea, V. Capatina, C. E. A. Grigorescu	0.441

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Publicate in reviste Indexate ISI			
1.	Assessment of the hyperbaric oxygen therapy effects in distal femoral necrosis using hyperspectral imaging	Balneo and PRM Research Journal, vol. 12, nr. 2, pp. 123-128, http://dx.doi.org/10.12680/balneo.2021.431 , 2021	CALIN Mihaela Antonina, MACOVEI Adrian, MANEA Dragos
2.	Digital pumping unit with gear pumps use to provide the flow required for mobile equipment with high energy efficiency	INMATEH-Agricultural Engineering, vol. 64, nr. 2, pp. 289-296, ISSN 2068 – 4215; DOI: https://doi.org/10.35633/inmateh-64-28 , 2021	Alexandru Hristea, Bogdan Tudor, Radu Radoi, Ștefan-Mihai Șefu
3.	Hyperspectral Imaging In Hyperbaric Oxygen Therapy	Balneo and PRM Research Journal, pp. 125,	CALIN Mihaela Antonina, MUNTEANU Constantin,

Nr.	TITLUL	REVISTA	AUTORII
		http://dx.doi.org/10.12680/balneo.2021.452 , 2021	MACOVEI Adrian, MANEA Dragos , SAVASTRU Roxana
4.	Remote monitoring of the energy production and efficiency of an off-grid system	INMATEH-Agricultural Engineering, vol. 64, nr. 2, pp. 131-140, ISSN 2068 – 4215; DOI: https://doi.org/10.35633/inmateh-64-12 , 2021	Radu-Iulian Radoi , Liliana Dumitrescu , Alexandru-Polifron Chirita , Nicolae-Valentin Vladut
5.	Research on shredded biomass drying in a vibrating fluidized bed dryer	INMATEH-Agricultural Engineering, vol. 65, nr. 3, pp. 9-18, DOI: https://doi.org/10.35633/inmateh-65-01 , 2021	Ioan Pavel , Alexandru Polifron Chirita , Gabriela Matache , Alina Iolanda Popescu , Kati Pavel , Vasilica Stefan

Nr.	TITLUL	REVISTA	AUTORII
Publicate in proceedings-uri Indexate ISI			
1.	3D GPR models generated from 2D profiles validation through archaeological excavation	International Conference on Developments in eSystems Engineering, pp. 374-377, 10.1109/DeSE51703.2020.9450791 , 2021	A. Chelmuș
2.	Automatic pollen classification using convolutional neural networks	2021 44TH INTERNATIONAL CONFERENCE ON TELECOMMUNICATIONS AND SIGNAL PROCESSING (TSP), pp. 130-133, 10.1109/TSP52935.2021.9522626, 2021	M. Boldeanu , H. Cucu, C. Burileanu, L. Marmureanu
3.	Laser removal of marker tags from a contemporary graffiti painting	Journal of Physics: Conference Series, vol. 1859, nr. 1, pp. 2001, https://doi.org/10.1088/1742-6596/1859/1/012001 , 2021	V. Atanassova , I.M. Cortea , M. Dinu
4.	Mathematical model of the lifting working mode of a mobile platform with hydraulic drive	International Conference on Energy and Environment (CIEM), vol. 2021, DOI: 10.1109/CIEM52821.2021.9614860, 2021	Liliana Dumitrescu , Carmen-Anca Safta, Corneliu Cristescu , Radu Rădoi , Ioan Bălan
5.	Metals removal from surface and wastewaters using an ecofriendly and sustainable material	Journal of Physics: Conference Series, vol. 1960, pp. 12020, https://doi.org/10.1088/1742-6596/1960/1/012020 , 2021	A. Moldovan , A Torok , E. Kovacs , M. Roman , E. Levei , O. Cadar , V. Babalau-Fuss , M. Senila , V. Micle

ANEXA 8. Lucrări științifice in reviste indexate BDI

Nr. Crt.	TITLUL	REVISTA	AUTORII
Lucrari publicate in reviste din baze de date recunoscute			
1.	Analysis of the dynamic behaviour and energy efficiency of an oscillating hydraulic pressure intensifier	Hidraulica Magazine, nr. 1, pp. 7-16, ISSN 1453 – 7303, 2021	Alexandru Polifron Chiriță, Teodor Costinel Popescu, Ioan Bălan, Ana-Maria Popescu, Fănel Dorel Șcheaua
2.	Defining the main parameters of a Darrieus type wind turbine with a power of 1 kW	Hidraulica Magazine, nr. 3, pp. 43-50, ISSN 1453 – 7303 , 2021	Valeriu Dulgheru, Cătălin Dumitrescu, Edmond Maican, Oleg Ciobanu, Radu Rădoi
3.	Drying of biomass in an infrared tunnel with conveyor belt	Hidraulica Magazine, nr. 1, pp. 50-56, ISSN 1453 – 7303, 2021	Ioan Pavel, Gheorghe Șovăială, Alina Iolanda Popescu, Kati Pavel, Dragoș Preda, Bogdan Duran
4.	ECOVALDES branch choppers	Hidraulica Magazine, nr. 4, pp. 70-75, ISSN 1453 – 7303, 2021	Ioan Pavel, Gabriela Matache, Alina Iolanda Popescu, Kati Pavel, Ioan Munteanu
5.	Fast and efficient method for the determination of lysozyme from Galleria Mellonella biomass	Agricultura, vol. 120, nr. 3-4, pp. 47-50, http://dx.doi.org/10.15835/agrisp.v120i3-4.14311 , 2021	A. Becze, M. Naghiu
6.	Intelligent hydraulic system for comparative functional testing of biodegradable working fluids	Hidraulica Magazine, nr. 2, pp. 97-102, ISSN 1453 – 7303, 2021	Liliana Dumitrescu, Ștefan-Mihai Șefu, Ionela-Mihaela Baci, Marian Blejan
7.	Intelligent module for monitoring proportional directional valves in hydraulic drive systems	Mining Machines , vol. 39, nr. 1, pp. 28-35, DOI: 10.32056/KOMAG2021.1.3/ISSN 2719-3306, 2021	Radu – Iulian Rădoi, Marian Blejan, Ioana Ilie, Bogdan – Alexandru Tudor
8.	Monitoring of polycyclic aromatic hydrocarbons in Prunus Spinosa tree components from Cluj-Napoca area, Romania	Agricultura, vol. 120, nr. 3-4, pp. 40-46, http://dx.doi.org/10.15835/agrisp.v120i3-4.14235 , 2021	V. L. Babalau-Fuss, E. Kovacs, A. Becze
9.	Predictive maintenance techniques for wear reducing and elimination of equipment failures in hydrostatic drive systems	Mining Machines , vol. 39, nr. 1, pp. 36-45, DOI: 10.32056/KOMAG2021.1.4/ISSN 2719-3306, 2021	Alexandru Daniel Marinescu, Teodor Costinel Popescu, Krzysztof Nieśpałowski, Ana-Maria Carla Popescu

10.	Research on the use of hydro-pneumatic accumulators in order to reduce the flow rate and pressure pulsations of oscillating hydraulic intensifiers	Mining Machines , vol. 39, nr. 4, pp. 37-46, DOI: 10.32056/KOMAG2021.4.4, 2021	Alexandru-Polifron Chiriță, Teodor Costinel Popescu, Ana-Maria Carla Popescu, Radu-Șerban Dincă, Alexandru Daniel Marinescu
11.	Roadmap towards a bioenergy model of life cycle sustainability assessment	Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Horticulture, vol. 78, nr. 1, ISSN-L 1843-5254, 2021	E. Kovacs, L. Senila, M.-A. Hoaghia, C. Roman, D. E. Dumitras
12.	Stand for experimental verification of components in the structure of hydraulic drive systems	Hidraulica Magazine, nr. 4, pp. 57-63, ISSN 1453 – 7303, 2021	Liliana Dumitrescu, Ștefan Mihai Șefu, Ionela-Mihaela Baci, Marian Blejan
13.	Strategy for implementation and use of monitoring systems for gearmotors	Hidraulica Magazine, nr. 3, pp. 86-93, ISSN 1453 – 7303, 2021	Paul Lăcătuș, Mihai Ionel, Gabriela Matache, Valentin Barbu
14.	UHPLC method for the quantification of β -sitosterol from walnuts	Agricultura, vol. 120, nr. 3-4, pp. 35-39, http://dx.doi.org/10.15835/agrisp.v120i3-4.14186 , 2021	L. Dordai, M. Naghiu
15.	Upgrading a digital hydraulic switching valve to become an intelligent hydraulic equipment	Hidraulica Magazine, nr. 1, pp. 66-71, ISSN 1453 – 7303, 2021	Bogdan Tudor, Mihai-Alexandru Hristea, Marian Blejan, Ștefan-Mihai Șefu

Lucrari publicate in proceedings-uri indexate in baze de date recunoscute			
1.	An integrated approach for the validation of Sentinel-5P with annual observation	EGU General Assembly 2021, pp. 11151, 10.5194/egusphere-egu21-11151, 2021	D. Ene, J. Vasilescu, M. Boldeanu, A. Calcan, M. Ardelean, D. Constantin, A. Merlaud, D. Schuttemeyer
2.	CFD simulation of an innovative system for hemp seeds drying / Simularea CFD a unui sistem inovativ pentru uscarea semintelor de cânepă	Proc. of ISB-INMA TEH' International Symposium, pp. 384-391, ISSN-L 2344 – 4118, 2021	Olan M., Cârlescu P., Vlăduț V., Păun A., Troțuș E., Popa D., Bunduchi G., Zaica Al., Chiriță Al. P.
3.	Combustion test equipment in low power TLUD gasifiers / Echipament de testare a arderii in gazogenele tip TLUD de putere mica	Proc. of ISB-INMA TEH' International Symposium, pp. 632-641, ISSN-L 2344 – 4118, 2021	Ioan Pavel, Alexandru- Polifron Chirita, Gabriela Matache, Ana-Maria Popescu, Ioan Caba
4.	Ecological product design /	Proc. of ISB-INMA TEH'	Valeriu Dulgheru,

	Proiectarea ecologica a produselor	International Symposium, pp. 642-651, ISSN-L 2344 – 4118, 2021	Catalin Dumitrescu, Ana-Maria Popescu, Marinela Mateescu
5.	Experimental research on obtaining biomass tablets/ Cercetări experimentale de obținere a tabletelor din biomasă	Proc. of ISB-INMA TEH' International Symposium, pp. 210-215, ISSN-L 2344 – 4118, 2021	Găgeanu I., Tabarasu A-M., Persu C., Cujbescu D., Gheorghe G., Dumitrescu C.
6.	Improving the energy efficiency of wind turbines using hydraulic drives / Îmbunătățirea randamentelor energetice ale turbinelor eoliene folosind acționările hidraulice	Proc. of ISB-INMA TEH' International Symposium, pp. 592-601, ISSN-L 2344 – 4118, 2021	Ionela Baci, Polifron Chiriță, Radu Radoi, Petrin Drumea, Iulian Voica
7.	Innovative system for recovery the moisture from air for irrigation of crops from a vegetable greenhouse / Sistem inovativ de valorificare a umidității din aer destinat irigațiilor culturilor dintr-un solar legumicol	Proc. of ISB-INMA TEH' International Symposium, pp. 470-475, ISSN-L 2344 – 4118, 2021	Manea D., Marin E., Mateescu M., Gheorghe G-V., Baltatu C., Dumitrașcu A., Șovăială Gh.
8.	Installation for the production of thermal energy with biomass gasification / Instalație pentru producerea energiei termice cu gazeificarea biomasei	Proc. of ISB-INMA TEH' International Symposium, pp. 618-623, ISSN-L 2344 – 4118, 2021	Catalin Dumitrescu, Radu Radoi, Ioan Pavel, Gheorghe Sovaiala, Valeriu Dulgheru, Iuliana Gageanu
9.	Intelligent drive installation for biomass conveyer / Instalatie de actionare inteligenta pentru transportor de biomasa	Proc. of ISB-INMA TEH' International Symposium, pp. 624-631, ISSN-L 2344 – 4118, 2021	Valentin Barbu, Gabriela Matache, Ioan Pavel, Mihai Ionel, Mihai Olan
10.	Level indicator of liquids in basins and tanks using Arduino Uno / Indicator de nivel al lichidelor în bazine și rezervoare utilizând Arduino Uno	Proc. of ISB-INMA TEH' International Symposium, pp. 456-463, ISSN-L 2344 – 4118, 2021	Cristea M., Matache M., Vladutoiu I., Grigore A.I., Biriș S. S., Ungureanu N., Cristea R.D., Sefu St.
11.	MARS: the First Romanian Pollen Dataset using a Rapid-E Particle Analyzer	Conference: 2021 International Conference on Speech Technology and Human-Computer Dialogue (SpeD), 10.1109/SpeD53181.2021.9587447, 2021	Boldeanu M., Marin C., Ene D., Marmureanu L., Cucu H., Burileanu C.
12.	New ecological heating system of a greenhouse of vegetable / Sistem nou de încălzire ecologică a unui solar legumicol	Proc. of ISB-INMA TEH' International Symposium, pp. 496-499, ISSN-L 2344 – 4118, 2021	Mateescu M., Marin E., Manea D., Gheorghe G-V., Baltatu C., Dumitrașcu A., Dulgheru V.
13.	Optimizing consumption in	Proc. of ISB-INMA TEH'	Stefan Sefu, Bogdan

	agricultural machines and installations by using digital hydraulics / Optimizarea consumului in mașinile și instalațiile agricole prin utilizarea hidraulicii digitale	International Symposium, pp. 608-617, ISSN-L 2344 – 4118, 2021	Tudor, Radu Radoi, Ioan Balan, Mario Cristea
14.	Reducing the consumption of raw materials through predictive maintenance and component remanufacturing of fluid power equipment / Reducerea consumului de materii prime prin mentenanță predictivă și remanufacturarea componentelor hidraulice	Proc. of ISB-INMA TEH' International Symposium, pp. 566-571, ISSN-L 2344 – 4118, 2021	Radu Radoi, Catalin Dumitrescu, Stefan Sefu, Bogdan Tudor, Dragos Anghelache
15.	Screw conveyor for biomass / Transportor cu snec pentru biomasa	Proc. of ISB-INMA TEH' International Symposium, pp. 602-607, ISSN-L 2344 – 4118, 2021	Gheorghe Sovaiala, Gabriela Matache, Dragos Preda, Bogdan Duran, Dragos Manea
16.	Sentinel-5p validation campaigns – Planned activities in 2021-2022	EGU General Assembly 2021, pp. 8889, 10.5194/egusphere-egu21-8889, 2021	F. Tack, M. Sha, A. Merlaud, A. Nemuc , D. Schuettemeyer, C. Zehner, M. Van Roozendaal
17.	The ASKOS experiment for the validation of Aeolus L2A aerosol product	EGU General Assembly 2021, pp. 13781, https://doi.org/10.5194/egusphere-egu21-13781 , 2021	Marinou, E., Amiridis, V., Mavropoulou, I., Baars, H., Kazadzis, S., Rosoldi, M., Ene, D. , Barreto, A., Casadio, S., Zenk, C., Sciare, J., Mocnik, G., Kandler, K., Stuut, J.-B., Rodriguez, S., Knipertz, P., Rutz, T., Komppula, M., Daskalopoulou, V., and Hloupis, G
18.	Theoretical aspects of sustainable aquaculture / Aspecte teoretice ale acvaculturii durabile	Proc. of ISB-INMA TEH' International Symposium, pp. 244-251, ISSN-L 2344 – 4118, 2021	Voicea I., Găgeanu I., Matache M., Milian G., Anghelache D., Nenciu F., Dumitru C., Matache G.
19.	Using CFD to improve the performance of a heat exchanger from a gasifier	Proceedings of International Conference of Thermal Equipment, Renewable Energies and Rural Development TE-RE-RD (E3S Web of Conferences), vol. 286, pp. 1010, DOI: 10.1051/e3sconf/20212860101	Liliana Dumitrescu, Edmond Maican, Ioan Pavel, Cătălin Dumitrescu, Iuliana Găgeanu, Andrei Pătruț

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ANEXA 8b. Carti si capitole de carte

Nr. Crt.	TITLUL CARTII	EDITURA	AUTORII
1.	Restaurarea monumentelor istorice. Concepte-teorii-practici	Art Conservation Support, vol. 1, nr. 1, pp. 1-445, ISBN: 978-606-8922-17-1, 2021	Lucian Cristian Ratoiu
2.	Urme ale memoriei antice. Arheodrom virtual pentru valorizarea patrimoniului arheologic din dobrogea / In onorem Sabina Ispas: cunoasterea "culturii profunde" - paradigme actuale	Editura Etnologica, pp. 563-573, 978-606-067-006-3, 2021	R. Radvan, L. Ratoiu, L. Angheluta

ANEXA 8c. Articole publicate in jurnale neindexate

Nr. Crt.	TITLUL	REVISTA	AUTORII
1.			