

C1.1. Lucrari publicate în Web of Science cu factor de impact

Nr.	Numele autorului/ autorilor	Afilierea institutionala a autorului/ autorilor*	Titlul lucrarii	Tipul lucrarii (ex: Articol, review)	Numele revistei	ISSN	Numar revista si Volum	Anul publicarii	Interval pagini	Factor de impact actual (conform Journal Citation Reports)	DOI	Clasarea actuala a revistei (Q1, Q2, Q3, Q4)
2025												
1	Loredana-Vasilica Postolache, Gabriela Soreanu, Igor Cretescu, Nita Tudorachi, Ion Anghel, Dana Maria Preda, Daniela Rusu, Mirela-Fernanda Zaltariov, Jose Luis Valverde, Gabriela Lisa	Loredana-Vasilica Postolache, Gabriela Soreanu, Igor Cretescu, Gabriela Lisa / TUIASI- FICPMI, Nita Tudorachi, Daniela Rusu, Mirela-Fernanda Zaltariov/ ICMP: Ion Anghel, Dana Maria Preda / Police Academy "Alexandru Ioan Cuza", Bucharest; Jose Luis Valverde / University of Castilla La Mancha, Spain,	Alternative energy sources from wastes and microalgae Chlorella vulgaris used for the capture of atmospheric CO2 in the production of cement	articol	Materials Today Sustainability	2589-2347	31	2025	art 101175	7,9	10.1016/j.mtsust.2025.101175	Q1
2	Florenta Dinita, George Barjoveanu, Carmen Teodosiu	Florenta Dinita, George Barjoveanu and Carmen Teodosiu/ TUIASI-FICPMI	An Environmental Life-Cycle Assessment of End-of-Life Vehicles Management in Romania	Articol	Sustainability	2071-1050	17 (8), 3691	2025	1-18	3,3	https://doi.org/10.3390/su17083691	Q3
3	Loredana-Vasilica Postolache, Gabriela Soreanu, Igor Cretescu, Gabriela Lisa	Loredana-Vasilica Postolache, Gabriela Soreanu, Igor Cretescu, Gabriela Lisa / TUIASI-FICPMI	Analysis of the thermal behaviour of various wastes co-processed in cement plants	articol	Environmental Engineering and Management Journal	1582-9596	24, No. 1	2025	211-221	0,9	10.30638/eemj.2025.017	Q4
4	Gabriela Soreanu, Catalin Tanase, Constantin Mardari, Igor Cretescu	Gabriela Soreanu, Igor Cretescu/TUIASI-FICPMI, Catalin Tanase, Constantin Mardari / UAIC	Assessment of air purification biosystems for environmental applications	articol	Process Safety and Environmental Protection	0957-5820	195	2025	art 106742	7,8	10.1016/j.psep.2024.12.123	Q1
5	Gabriela Lisa, Igor Cretescu, Catalin Tanase, Constantin Mardari, Nita Tudorachi, Andra-Cristina Enache, Petrisor Samolla, Gabriela Soreanu	Gabriela Lisa, Igor Cretescu, Gabriela Soreanu/ TUIASI-FICPMI; Catalin Tanase, Constantin Mardari/ UAIC; Nita Tudorachi, Andra-Cristina Enache, Petrisor Samolla / ICMP	Assessment of Hedera helix response in polluted environment through cross-advanced investigation techniques	articol	Journal of Thermal Analysis and Calorimetry	1388-6150	150	2025	9181-194	3,1	10.1007/s10973-025-14312-7	Q2
6	Emanuel Gheorghita Armanu, Simone Bertoldi, Lukasz Chrzastowski, Irina Volf, Hermann J. Heipieper, and Christian Eberlein	Emanuel Gheorghita Armanu, Irina Volf/ TUIASI-FICPMI; Simone Bertoldi, Hermann J. Heipieper, Christian Eberlein / UFZ Germany; Lukasz Chrzastowski/ Poznan University of Technology, Poland	Benefits of Immobilized Bacteria in Bioremediation of Sites Contaminated with Toxic Organic Compounds	Review	Microorganism	2076-2607	13, 155	2025	1-19	4,2	https://doi.org/10.3390/microorganisms13010155	Q2
7	Bogdan Chelaru, Cătălin Onuțu, Gabriela Ungureanu, Irina Volf, Adrian Alexandru Șerbănoiu	Bogdan Chelaru, Cătălin Onuțu, Adrian Alexandru Șerbănoiu/ TUIASI-CI; Gabriela Ungureanu, Irina Volf/ TUIASI-FICPMI	BIM and cloud-based tools integration for BREEAM in energy-efficient building design: A case study	Articol	Results in Engineering	2590-1230	26, 105493	2025	1-16	7,9	https://doi.org/10.1016/j.results.2025.105493	Q1
8	Madalina-Maria Enache, Daniela Gavrilescu and Carmen Teodosiu	Madalina-Maria Enache, Daniela Gavrilescu and Carmen Teodosiu/ TUIASI-FICPMI	Comparative Analysis of Plastic Waste Management Options Sustainability Profiles,	Articol	Polymers	2073-4360	17 (15), 2117	2025	1-19	4,9	https://doi.org/10.3390/polym17152117	Q1
9	Adrian Cătălin Puțel, Cătălin Dumitrel Balan and Mircea Teodor Nechita	Adrian Cătălin Puțel, Cătălin Dumitrel Balan and Mircea Teodor Nechita/ TUIASI-FICPMI	Corn Stalks-Derived Hemicellulosic Polysaccharides: Extraction and Purification	articol	Polysaccharides	2673-4176	6(1) 2	2025	43466	5,5	https://doi.org/10.3390/polysaccharides6010002	Q1
10	Laura Bulgariu	Laura Bulgariu/ TUIASI-FICPMI	Ecological Synthesis of Precious Metal Nanoparticles: Harnessing the Potential of Marine Algae Biomass	Review	Nanomaterials	2079-4991	15	2025	1492	4,3	doi.org/10.3390/nano15191492	Q2
11	Gabriela Lisa, Igor Cretescu, Catalin Tanase, Constantin Mardari, Nita Tudorachi, Andra-Cristina Enache, Petrisor Samolla, Gabriela Soreanu	Gabriela Lisa, Igor Cretescu, Gabriela Soreanu / TUIASI-FICPMI; Andra-Cristina Enache, Petrisor Samolla /ICMP, Catalin Tanase, Constantin Mardari /UAIC.	Effects of biofiltration on the physical-chemical-biological profile of the aerial plants used for toluene removal from waste air, revealing new opportunities for circular economy	articol	Renewable and Sustainable Energy Reviews	1364-0321	207	2025	art 114890	16,3	10.1016/j.rser.2024.114890	Q1
12	Loredana Munteanu, Dumitru Bulgariu, Laura Bulgariu	Loredana Munteanu, Laura Bulgariu/ TUIASI-FICPMI; Dumitru Bulgariu/UAIC	Efficient removal of phosphate ions on activated algae biomass: Biosorption characteristics and practical implications	Articol	Journal of Environmental Chemical Engineering	2213-3437	13	2025	116341	7,2	/doi.org/10.1016/j.jece.2025.116341	Q1
13	Bianca-Elena Azanfire, Dumitru Bulgariu, Nicanor Cimpoeșu and Laura Bulgariu	Bianca-Elena Azanfire, Laura Bulgariu/ TUIASI- FICPMI; Dumitru Bulgariu /UAIC; Nicanor Cimpoeșu/ TUIASI-SIM	Efficient Removal of Toxic Heavy Metals on Kaolinite-Based Clay: Adsorption Characteristics, Mechanism and Applicability Perspectives	Articol	Water	2073-4441	17	2025	1938	3	doi.org/10.3390/w17131938	Q2
14	Anisoara Enache Talpalaru, Daniela Gavrilescu and Carmen Teodosiu	Anisoara Enache Talpalaru, Daniela Gavrilescu and Carmen Teodosiu/ TUIASI-FICPMI	End of Life Management Sustainability of Waste Electrical and Electronic Equipment Generated in Romania, Sustainability	Articol	Sustainability	2071-1052	17(9), 4105	2025	1-26	3,3	https://doi.org/10.3390/su17094105	Q3
15	Madalina Elena Abalasei, Daniela Fighir and Carmen Teodosiu	Madalina Elena Abalasei, Daniela Fighir and Carmen Teodosiu/ TUIASI-FICPMI	Evolution of the Environmental Impact Assessment Process in Romania in the Context of Sustainable Development	Review	Applied Sciences	2076-3417	15 (7), 3777	2025	1-21	2,5	https://doi.org/10.3390/ap15073777	Q3
16	Ioana Tanasa, Marius Cazacu, Dumitru Botan, John D. Atkinson, Viktor Sebestyen and Brindusa Sluser	Ioana Tanasa, Marius Cazacu, Dumitru Botan, Brindusa Sluser/ TUIASI-FICPMI; John D. Atkinson/ SUNY Buffalo, NY 14260 USA Viktor Sebestyen/ Univ Pannonia, Veszprem, Hungary	From Aerosol Optical Depth to Risk Assessment: A Novel Framework for Environmental Impact Statistics of Air Quality Using AERONET	article	Environments	2076-3298	Volume12, Issue8	2025		3,7	https://doi.org/10.3390/environments12080285	Q2
17	Hongdou Liu, Laura Bulgariu, Ian Cock, Edith Kichamu-Wachira, Hongtao Zou, Tong Li, Shahla Hosseini Bai, Zhihong Xu	Hongdou Liu, Ian Cock, Edith Kichamu-Wachira, Hongtao Zou, Tong Li, Shahla Hosseini Bai, Zhihong Xu/Griffith University, Australia, College of Land and Environment, China; Laura Bulgariu/TUIASI-FICPMI	Global insights into the role of biochar in mitigating antibiotic resistance genes: Key properties and research trends	Articol	Ecological Indicators	1872-7034	178	2025	113896	7,4	doi.org/10.1016/j.ecolind.2025.113896	Q1

18	Ramona Elena Tataru-Farmus, Maria Harja, Lucia Tonucci, Liliana Lazar, Gabriela Soreanu, Igor Cretescu	Ramona Elena Tataru-Farmus, Maria Harja, Liliana Lazar, Gabriela Soreanu, Igor Cretescu /TUIASI-FICPMI, Lucia Tonucci /University "G. d'Annunzio" of Chieti-Pescara, Italy	Green CO2 Capture from Flue Gas Using Potassium Carbonate Solutions Promoted with Amino Acid Salts	articol	Clean Technologies	2571-8797	7, 4	2025	1-18	4,7	10.3390/cleantechnol7040099	Q2
19	Romuald Tegua Doumbi, Paulino Vasco Mariano Muguirrima, Artur de Moraes Felipe Bohn, Carlos A. Martinez-Huttle, Igor Cretescu, Marcio Assolin Correa	Romuald Tegua Doumbi, Paulino Vasco Mariano Muguirrima, Artur de Moraes Felipe Bohn, Carlos A. Martinez-Huttle, Igor Cretescu, Marcio Assolin Correa / University of Ngaoundéré, Brazil; Cretescu I /TUIASI- TUIASI,	High Efficiency of the Graphene-Decorated Boron Nitride for Dye Removal from Aqueous Solution: Modeling and Optimization Process Designed for Textile Wastewater Treatment	articol	ACS Omega	2470-1343	10, 43	2025	51686-51699	4,3	10.1021/acsomega.5c07579	Q2
20	Emanuel Gheorghita Armanu, Simone Bertoldi, Matthias Schmidt, Hermann J. Heipieper, Irina Volf and Christian Eberlein	Simone Bertoldi, Matthias Schmidt, Hermann J. Heipieper, Christian Eberlein, Eberlein/ UFZ Germany; Emanuel Gheorghita Armanu, Irina Volf, Christian Eberlein/ TUIASI-FICPMI,	Hydrochar from Agricultural Waste as a Biobased Support Matrix Enhances the Bacterial Degradation of Diethyl Phthalate	Articol	Molecules	1420-3049	30, 1167	2025	1-14	4,6	https://doi.org/10.3390/molecules30051167	Q2
21	Emanuel Gheorghita Armanu, Marius Sebastian Secula, Christian Eberlein, Matthias Schmidt, Hermann J. Heipieper, Irina Volf	Emanuel Gheorghita Armanu, Marius Sebastian Secula, Irina Volf / TUIASI-FICPMI; Christian Eberlein, Christian Eberlein, Matthias Schmidt, Hermann J. Heipieper/ UFZ Germany	Hydrochars from agricultural and forestry waste designed to achieve multipurpose matrices: Modeling and optimization of process parameters	Articol	Results in Engineering	2590-1230	28, 108252	2025	1-13	7,9	https://doi.org/10.1016/j.rineneng.2025.108252	Q1
22	Ungureanu Adrian; Bectoraş Mihaela; Ciotonea Carmen; Gennequin Cedric; Royer Sebastien; Catrinescu Cezar	Ungureanu Adrian; Bectoraş Mihaela; Catrinescu Cezar/TUIASI-FICPMI; Ciotonea Carmen; Gennequin Cedric; Royer Sebastien/EILCO	Iron oxide nanoparticles confined in SBA-15 via melt infiltration as efficient Fenton-like catalysts for lindane degradation	Articol	Journal of Environmental Chemical Engineering	2213-2929	13 (6)	2025	120462	7,2	10.1016/j.jece.2025.120462	Q1
23	Adrian Cătălin Puțel, George Bărjoveanu, Cătălin Dumitrel Balan, Mircea Teodor Nechita	Adrian Cătălin Puțel, George Bărjoveanu, Cătălin Dumitrel Balan, Mircea Teodor Nechita/TUIASI-FICPMI	Medicago Sativa Stems-A Multi-Output Integrated Biorefinery Approach	Articol	Polymers	2073-4360	17 (12), 1709	2025		4,9	10.3390/polym17121709	Q1
24	Madalina Elena Abalasei, Daniel Toma, and Carmen Teodosiu	Madalina Elena Abalasei, Carmen Teodosiu/ TUIASI-FICPMI; Daniel Toma/ TUIASI-HGIM	Monitoring and Evaluation of Water Quality from Chirita Lake, Romania, Water, , 1844 (Q3, IF=3.0, ISI Web of Science), DOI:	Articol	Water	2073-4441	17 (13), 1844	2025	1-21	3	https://doi.org/10.3390/w17131844	Q3
25	Gabriela Ungureanu, Vasile Lucian Pavel and Irina Volf	Gabriela Ungureanu, Irina Volf/ TUIASI-FICPMI; Vasile Lucian Pavel/ TUIASI-HGIM	Oxyanion Recovery from Wastewater with Special Reference to Selenium Uptake by Marine Macroalgae	Articol	Applied Sciences	2076-3417	15, 10946	2025	1-20	2,5	https://doi.org/10.3390/ap1512010946	Q2
26	Petronela Cozma, Mihaela Roșca, Mariana Minut, Maria Gavrilscu	Petronela Cozma, Mariana Minut, Maria Gavrilscu/ TUIASI-FICPMI; Mihaela Roșca, /USV Iasi	Phytoremediation: A sustainable and promising bio-based approach to heavy metal pollution management	review	Science of The Total Environment	Online ISSN: 1879-1026	vol. 1001, 180458	2025		8	https://doi.org/10.1016/j.scitotenv.2025.180458	Q1
27	Oana Teodora Apreutesei, Carmen Elena Tebrencu, Daniela Gherghel, Lăcrămioara Anca Oprică, Irina Volf, Gabriela Vochița	Oana Teodora Apreutesei, Irina Volf/ TUIASI-FICPMI, Carmen Elena Tebrencu, Daniela Gherghel, Lăcrămioara Anca Oprică, Gabriela Vochița/ NIRDBS Bucuresti	Prunus spinosa L. Branches as a New Source of Condensed tannins: Phytochemical Profile and Antioxidant, Cytotoxic and Genotoxic In Vitro Evaluation	Articol	Antioxidants	2076-3921	14, 1408	2025	1-25	6,1	https://doi.org/10.3390/antiox14121408	Q1
28	Elena Fasniciu-Pereu, Elena Niculina Drăgoi, Dumitru Bulgariu, Maria-Cristina Popescu and Laura Bulgariu	Elena Fasniciu-Pereu, Elena Niculina Drăgoi, Laura Bulgariu/ TUIASI-FICPMI; Dumitru Bulgariu/UAIC, Maria-Cristina Popescu/ICMPP Iasi	Removal of Rifampicin and Rifaximin Antibiotics on PET Fibers: Optimization, Modeling, and Mechanism Insight	Articol	Polymers	2073-4360	17	2025	2089	4,9	doi.org/10.3390/polym17152089	Q1
29	Loredana-Vasilica Postolache, Gabriela Soreanu, Igor Cretescu, Nita Tudorachi, Daniela Rusu, Mirela-Fernanda Zaltariov, Ion Anghel, Dana Maria Preda, Gabriela Lisa	Loredana-Vasilica Postolache, Gabriela Soreanu, Igor Cretescu, Gabriela Lisa* / TUIASI -FICPMI, Nita Tudorachi , Daniela Rusu , Mirela-Fernanda Zaltariov / ICMPP, Ion Anghel , Dana Maria Preda / AICPA,	Studies on energy recovery from microalgae and plants wastes	articol	Biomass and Bioenergy	0961-9534	206	2025	art 108586	5,8	10.1016/j.biombioe.2025.108586	Q1
30	Seto Constantin-Bogdan, Gavrilscu Daniela, Teodosiu Carmen	Seto Constantin-Bogdan, Gavrilscu Daniela, Teodosiu Carmen/ TUIASI-FICPMI	Sustainability Assessment of Single-use versus Reusable Beverage Packaging Waste: a Romanian Case Study	Articol	Environmental Engineering and Management Journal	1843-3707	vol.24, no.3, 559-571	2025	1-13	0,9	DOI: 10.30638/eemj.2025.044	Q4
31	Abalasei Madalina Elena, Toma Daniel, Dorus Mihail Teodosiu Carmen	Abalasei Madalina Elena, Teodosiu Carmen/ TUIASI-FICPMI; Toma Daniel/ TUIASI-HGIM, Dorus Mihail/ Apavital SA Iasi	The Impact of Climate Change on Water Quality: A Critical Analysis	Review	Water	2073-4442	17, 3108	2025	1-29	3	https://doi.org/10.3390/w17213108	Q3
32	Elena Ungureanu, Bogdan-Marian Tofanica, Eugen Ulea, Ovidiu C. Ungureanu, Maria E. Fortună, Răzvan Rotaru, Irina Volf, Valentin I. Popa	Elena Ungureanu, Bogdan-Marian Tofanica, Eugen Ulea, Ovidiu C. Ungureanu/ USV Iasi, Fortună, Rotaru/ICMPP; Irina Volf, Valentin I. Popa/TUIASI-FICPMI	Valorization of Agro-Industrial Lignin as a Functional Polymer for Sustainable Wastewater Treatment	Articol	Polymers	2073-4360	17, 2263	2025	1-19	4,7	https://doi.org/10.3390/polym17162263	Q1
33	Blaga, A.C., Dragoi, E.N., Cascaval, D., Galaction AI.	Blaga, A.C., Dragoi, E.N., Cascaval, D. - TUIASI, Galaction AI. - UMF	Extraction of mandelic acid with ionic liquids: parametric study, model and process optimization with L-SHADE	articol	Scientific Reports	2045-2322	Volume 15	2025	42677	3,9	10.1038/s41598-025-26825-0	Q1
34	Turcov D, Paraschiv M, Alexandra Cristina Blaga, Tucaliuc A, Cascaval D, Galaction AI.	Alexandra Cristina Blaga, Tucaliuc A, Cascaval D-TUIASI, Turcov D, Paraschiv M, Galaction AI. - UMF	Natural Oils as Green Solvents for Reactive Extraction of 7-Aminocephalosporanic Acid: A Sustainable Approach to Bioproduct Recovery in Environmental Biotechnology	articol	BIOMOLECULES	2218-273X	Volume15, Issue10	2025	1371	4,8	10.3390/biom15101371	Q1
35	Alexandra Cristina Blaga; Cimpoesu, R.; Tataru-Farmus, R.-E.; Suteu, Daniela.	TUIASI	Eco-Friendly Biosorbents from Biopolymers and Food Waste for Efficient Dye Removal from Wastewater	articol	POLYMERS	2073-4360	Volume17, Issue3	2025	291	4,9	10.3390/polym17030291	Q1
36	Alexandra Cristina Blaga, Oana Cristina Parvulescu, Dan Cascaval, Anca Irina Galaction	ACB, DC - TUIASI; AIG-UMF;	Efficient Recovery of Valeric Acid Using Phosphonium-Based Ionic Liquids	articol	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	1422-0067	Volume26, Issue18	2025	8970	4,9	10.3390/ijms26188970	Q1

37	Claudia Maxim, Oana Teodora Apreutesei, Ruxandra Mihaela Cretu, Alexandra Cristina Blaga, Delia Turcov, Daniela Suteu, Ana Simona Barna	ACB, CM, DS, ASB - TUIASI; DT-UMF; OTA, RCM - INCDSB	Characterization Of The Alcoholic Phytoextracts From Wild Carrot (Daucus Carota L.) With Potential Applicability As Active In Cosmetics	articol	SCIENTIFIC STUDY AND RESEARCH-CHEMISTRY AND CHEMICAL ENGINEERING BIOTECHNOLOGY FOOD INDUSTRY	1582-540X	Volume26, Issue2, Page189-201	2025	189-201	0,7	10.29081/ChIBA.2025.635	Q4
38	Turcov, D; Zbranca-Toporas, A; Maxim, C; Suteu, D	TD, ZTA - UMF; MC, SD - TUIASI	Bioactive Compounds with Antioxidant Activity Extracted from Lignocellulosic Biomass of Galium verum	articol	BIORESOURCES	1930-2126	20(4)	2025	9437-9457	1,6	10.15376/biores.20.4.9438-9457	Q2
39	Maxim, C; Turcov, D; Luca, A; Butnaru, M; Apreutesei, OT; Cretu, RM; Zbranca-Toporas, A; Suteu, D	MC, SD - TUIASI; TD, LA, BM, ZTA - UMF; AOT, CRM - INCDSB Stejarul Biol Res Ctr, Piatra Neamt	Dermatocosmetic Emulsions Based On Acemella Oleracea Extract: Biocompatibility And Tolerability Studies	Articol	FARMACIA	2065-0019	73(4)	2025	971-978	1,3	10.31925/farmacia.2025.4.17	Q4
40	Maxim, C; Badeanu, M, Turcov, D; Suteu, D	MC, SD - TUIASI; BM - USAMV; TD-UMF	Potential of Artemisia annua hydroalcoholic extracts in skin care and dermatocosmetic products	articol	Notulae Botanicae Horti Agrobotanici Cluj-Napoca		53(4)	2025	14788	1,3	10.15835/nbha53414788inpress	Q3
41												
42												
43	Ichim, Mariana; Muresan, Emil Ioan; Lisa, Gabriela; Ciolacu, Florin; Puietel, Adrian Cătălin	TUIASI	Valorisation of Recycled Cotton as Reinforcement in Recycled Polypropylene Composites	Articol	Textiles	2673-7248	vol. 5, nr. 4	2025	57 (1-21)	4,9	https://doi.org/10.3390/textiles5040057	Q1
44	Nistor, L; Lisa, C; Michinobu, T; Lisa, G	Nistor, Lisa C (TUIASI), Michinobu (Inst Sci Tokyo), Lisa G (TUIASI)	Thermal degradation mechanism and isothermal sublimation kinetics of DDMEBT: Structure-property correlations for process optimization	Articol	JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T	2238-7854	39	2025	7261-7276	6,6	10.1016/j.jmrt.2025.11.046	Q1
45	Vlad-Bubulac, T; Serbezeanu, D; Perju, E; Suflet, DM; Rusu, D; Lisa, G; Filij, TA; Olariu, MA	Vlad-Bubulac, Serbezeanu, Perju, Suflet, Rusu (P Poni); Lisa, Filip, Olariu (TUIASI)	Multifaceted Nanocomposites Combining Phosphorylated PVA, MXene, and Cholesteric Liquid Crystal: Design and Application Insights	Articol	NANOMATERIALS	2079-4991	16,15	2025	1251	4,3	10.3390/nano15161251	Q2
46	Bejenari, V; Rusu, D; Anghel, I; Sofran, IE; Lisa, G	Bejenari (TUIASI); Rusu, D(P Poni); Anghel, Sofran (Academia de Politie) Lisa(TUIASI)	Fire-starting briquettes with high spent coffee-ground content and various wax types	Articol	BIOFUELS BIOPRODUCTS & BIOREFINING-BIOFPR	1932-104X	6, 19	2025	2076-2091	2,9	10.1002/bbb.2810	Q2
47	Lazar, I; Postolache, LV; Danilova, V; Coman, D; Bele, A; Rusu, D; Zaltariov, MF; Lisa, G	Lazar; Postolache; Danilova ; Coman (TUIASI); Bele; Rusu; Zaltariov (P Poni); Lisa(TUIASI)	Long-Term Physical and Chemical Stability and Energy Recovery Potential Assessment of a New Chelating Resin Used in Brine Treatment for Chlor-Alkali Plants	Articol	POLYMERS	2073-4360	11, 17	2025	1575	4,9	10.3390/polym17111575	Q1
48	Creteanu, A; Lisa, G; Vasile, C; Popescu, MC; Pamfil, D; Panainte, AD; Tantar, G; Vlad, MA; Lungu, CN	Creteanu (UMF); Lisa (TUIASI); Vasile; Popescu; Pamfil (P Poni); Panainte; Tantar; Vlad (UMF); Lungu (U Galati)	Lignin as a Bioactive Additive in Chlorzoxazone-Loaded Pharmaceutical Tablets	Articol	MOLECULES	1420-3049	7,30	2025	1426	4,6	10.3390/molecules30071426	Q2
49	Butnaru, I; Asandulesa, M; Lisa, G; Jankowski, A; Damaceanu, MD	Butnaru, Asandulesa (P Poni), Lisa G (Tuiasi), Jankowski (Polish Acad Sci), Damaceanu (P Poni)	Exploring the applicative potential of polyimides containing DOPO-functionalized triazine through straightforward blending technique	Articol	JOURNAL OF MATERIALS SCIENCE	0022-2461	11, 60	2025	5280-5299	3,9	10.1007/s10853-025-10751-7	Q2
50	Ciobanu, CI; Epure, EL; Soroga, L.; Simion, A; Lisa, G; Carlescu, I.	Ciobanu (UAIIC), Epure (TUIASI), Soroga(UAIC), Simion, Lisa, Carlescu (TUIASI)	Effects of the Central Unit Structure, Lateral Substitution and Symmetry on the Mesomorphic Behavior of Some Bent-Core Azester Derivatives	Articol	CHEMISTRYOPEN	2191-1363	7, 14	2025	e20240454	3,1	10.1002/open.202400454	Q2
51	Gutsanu V, Ipatie A.-M., Lisa G. Bolnaru M.	Gutsanu (Moldova State University, Ipatie(P Poni), Lisa(Tuiasi), Bolnaru (Moldova State University)	Chrome-Polymer Composite as a Precursor for Obtaining a Sorbent with Selective Properties	Articol	Colloid Journal	1061-933X	3, 87	2025	408-422	1,1	10.1134/S1061933X25600447	Q4
52	Epure, C.; Munteanu, C.; Istrate, B.; Harja, M.; Lupu, F. C.; Luca, D.	TUIasi	Innovation in the Use of Recycled and Heat-Treated Glass in Various Applications: Mechanical and Chemical Properties	Articol	Coatings	2079-6412	15(6)	2025	1 la 28	2,8	10.3390/coatings15060651	Q2
53	Ioana-Maria Popa, Chiara Pischetola, Frank Krumeich, Jeroen A. van Bokhoven, Gabriela Carja, Luca Artiglia	Ioana-Maria Popa (Elvetia), Chiara Pischetola (Elvetia), Frank Krumeich (Elvetia), Jeroen A. van Bokhoven (Elvetia), Gabriela Carja (TUIASI - corresponding author), Luca Artiglia (Elvetia)	Exploiting the LDH Memory Effect in the Carbon Dioxide to Methanol Conversion	Articol	Advanced Functional Materials	1616-301X; 1616-3028	36, 35	2025	250281 2 (11 pag.)	19	10.1002/adfm.202502812	Q1
54	Safa Nouaa, Rachid Azlam, Gabriela Carja, Mohamed Chiban, Froidevaux Renato	Safa Nouaa (Maroc), Rachid Azlam (Maroc), Gabriela Carja(TUIASI), Mohamed Chiban (Maroc), Froidevaux Renato (France)	Immobilization of Trametes versicolor laccase on LDH/alginate composite beads for improved textile dyes decolorization	Articol	International Journal of Biological Macromolecules	0141-8130; 1879-0003	303	2025	140577	8,5	10.1016/j.ijbiomac.2025.140577	Q1
55	Georgiana Mardare (Balusescu), Liliana Lazar, Teodor Malutan	Georgiana Mardare (Balusescu)/TUIASI, Liliana Lazar/TUIASI, Teodor Malutan/TUIASI	Ultrasound extraction and characterization of bioactive compounds obtained from different organs of Datura Innoxia	Articol	Cellulose Chemistry and Technology	0576-9787	1-2, 59	2025	95-109	1.1	10.35812/CelluloseChemTechnol.2025.59.09	Q3
56	Barabulcea, I.; Secula, MS; Iacob-Tudose, ET; Mamaliga, I	Gheorghe Asachi Tech Univ Iasi, Fac Chem Engn & Environm Protect, 73 Prof Dr Docent D Mangeron St, Iasi 700050, Romania	Experimental Study on the Influence of Magnesium on the Separation of Carbon Dioxide from Gas Mixtures with Nitrogen by Combustion Processes	Articol	Processes	2227-9717	13(7)	2025	2054	2,8	10.3390/pr13072054	Q2
57	Anton, N; Lisa, C; Doroftei, B; Pirvulescu, RA; Barac, RI; Lungu, II; Bogdanici, CM	Anton (UMF Iasi), Lisa (TUIASI); (UMF Iasi); Pirvulescu, Barac (Carol Davila Bucuresti); Lungu; Bogdanici (UMF Iasi)	The Role of Artificial Intelligence in Predicting the Progression of Intraocular Hypertension to Glaucoma	Articol	LIFE-BASEL	2075-1729	6, 5	2025	865	3,4	10.3390/life15060865	Q1
58	Wu T, Zare N, Li Y, Zhang DX, Dragoi EN, Aminabhavi TM, Karimi-Maleh H	Wu, Zare, Li, Zhang /University of Electronic Science and Technology of China, Aminabhavi/School of Advanced Sciences, KLE Technological University, Hubballi 580 031, India, Karimi-Maleh/The Quzhou Affiliated Hospital of Wenzhou Medical University	3D printed monolithic adsorbent for removal of Congo red and silver ions: Batch and fixed bed column studies	Articol	Chemical Engineering Journal	1385-8947	519	2025	1-19	13,2	10.1016/j.cej.2025.164865	Q1
59	Marcolie N, Toma IO, Chihala S, Hranicliuc TA, Toma D, Balan CD, Dragoi EN, Nechita MT	TUIasi	Anthropogenic River Segmentation Case Study: Bahlui River from Romania	Articol	Hydrology	eISSN:2306-5338	12(9)	2025	1-23	3,2	10.3390/hydrology12090224	Q2
60	Lara-Montaño OD, Gómez-Castro FI, Gutiérrez-Antonio C, Dragoi EN	Lara-Montaño, Gutiérrez-Antonio/Universidad Autónoma de Querétaro, Gómez-Castro/Universidad de Guanajuato	Success-Based Optimization Algorithm (SBOA): Development and enhancement of a metaheuristic optimizer	Articol	Computers and Chemical Engineering	0098-1354	194	2025	1-15	3,9	10.1016/j.compchemeng.2024.108987	Q2

61	Wu T, Li Y, Zhang ZX, Zhang DX, Dragoi EN, Karimi-Maleh H	Wu, Li, Zhang ZX, Zhang DX/University of Electronic Science and Technology of China, Karimi-Maleh/The Quzhou Affiliated Hospital of Wenzhou Medical University	3D Print-Based Polypyrrole /TiVCTx/UIO-66 Composites for Effective Adsorption of Combined Pollutants in Water Media	Articoll	Journal of Nanostructure in Chemistry	2008-9244	15(1)	2025	1-23	7,9	10.57647/jnsc.2025.1501.03	Q1
62	Karimi-Maleh H, Atigh ZBQ, Sadeghifar H, Najafi M, Rajendran S, Ayati A, Chinnathambi A, Dragoi EN, Kalikeri S	Karimi-Maleh, Biglari, Najafi/University of Electronic Science and Technology of China, Sadeghifar/ASR Group R&D center Florida, Rajendran/University de Tarapaca Chile, Ayati/ ITMO University Russia, Chinnathambi/ King Saud University Saudi Arabia	Shifting paradigms in PFAS resin removal with biomaterial alternatives	Review	Journal of the Taiwan Institute of Chemical Engineers	1876-1070	166(1)	2025	1-11	6,3	10.1016/j.jtice.2023.105300	Q1
63	Samba, PF; Secula, M.S.; Schaefer, S; Cagnon, B.	Gheorghe Asachi Tech Univ lasi, Fac Chem Engn & Environm Protect, 73 Prof Dr Docent D Mangeron St, lasi 700050, Romania	Optimization of Organic Content Removal from Aqueous Solutions by Fenton-Ozonation	Articoll	Applied Sciences	2076-3417	15(13)	2025	7370	2,5	10.3390/app15137370	Q2
64	Berlădean I., Epure, EL., Simion G., Simion A., Carlescu I., Boussoualem Y., Duponchel B., Hurdic N., Daoudi, A.	Boussoualem Y./ULCO Dunkerque, Daoudi A./ ULCO Dunkerque	Chiral unsymmetrical bent-shaped dimers exhibiting cholesteric phases: synthesis, characterisation and liquid crystalline properties	articoll	Liquid Crystals	0267-8292	52	2025	588-597	2,2	10.1080/02678292.2025.2489434	Q2
65	D.-P. Burduhos-Nergis, C. Munteanu, E.-L. Epure, N. Cimpoesu, C. Bejinariu, A.-V. Sandu, D. D. Burduhos-Nergis	M.-A. Acasandrei/Horia Hulubei National Institute for Physics and Nuclear Engineering	Micromorphology and properties of novel phosphate conversion coatings based on zinc-magnesium and zinc-zirconium deposited on Ti6Al4V	Articoll	Surfaces and Interfaces	2468-0230	vol. 76	2025	1-18	6,3	10.1016/j.surfin.2025.107884	Q1
66	Corneliu S Stan Adina Coroaba Conchi O Ania Cristina Albu Marcel Popa	TUIasi ICMPP lasi CNRS-CEMHTI/ICMPP lasi TUIasi TUIasi	Markedly Enhanced Photoluminescence of Carbon Dots Dispersed in Deuterium Oxide	articoll	C — Journal of Carbon Research MDPI	2311-5629	11(1)	2025	1-14	2,9	https://doi.org/10.3390/c11010010	Q2
67	Corneliu S Stan Adina Coroaba Natalia Simionescu Cristina M Uritu Dana Bejan Laura E Ursu Andrei-Ioan Dascalu Florica Doroftei Marius Dobromir Cristina Albu Conchi O Ania	TUIasi ICMPP lasi ICMPP lasi CEMEX lasi ICMPP lasi ICMPP lasi ICMPP lasi ICMPP lasi Univ. Ali Cuza lasi ICMPP lasi CNRS-CEMHTI/ICMPP lasi	Mn-Doped Carbon Dots as Contrast Agents for Magnetic Resonance and Fluorescence Imaging	articoll	International Journal of Molecular Sciences MDPI	1422-0067	26(13)	2025	6293-6314	4,9	10.3390/ijms26136293	Q1
68	Adina Coroaba Maurusa Ignat Oana-Elena Carp Corneliu S Stan Silviu I Filipciuc Cristina M Uritu Natalia Simionescu Narcisa-Laura Marangoci Mariana Pinteala Conchi O Ania	ICMPP lasi ICMPP lasi ICMPP lasi TUIasi ICMPP lasi ICMPP lasi ICMPP lasi ICMPP lasi ICMPP lasi CNRS-CEMHTI/ICMPP lasi	Antioxidant activity and in vitro fluorescence imaging application of N-, O- functionalized carbon dots	articoll	Scientific Reports	2045-2322	15	2025	2584-2598	3,9	10.1038/s41598-025-11676-6	Q1
69	Corina L. Logigan Cristian Peptu Corneliu S Stan Gabriel Luta Crina E. Tiron Mariana Pinteala Aleksander Forys Bogdan Simionescu Constanta Ibanescu Adrian Tiron Catalina A Peptu	TUIasi ICMPP lasi TUIasi IRO lasi IRO lasi ICMPP lasi Polish Acad. Of Sci. TUIasi/ICMPP lasi TUIasi IRO lasi TUIasi	Carbon Dot-Enhanced Doxorubicin Liposomes: A Dual-Functional Nanoplatfor for Cancer Therapy	articoll	International Journal of Molecular Sciences MDPI	1422-0067	26(15)	2025	7535-7556	4,9	10.3390/ijms26157535	Q1
70	Noumane Elouakassi Abdelmajid Almagoussi Corneliu S Stan Marcel Popa Larbi Belachemi Jaafar Ghanbaja Hamid Kaddami	Cadi Ayyad Univ. Maroc Cadi Ayyad Univ. Maroc TUIasi TUIasi Cadi Ayyad Univ. Maroc Univ. Lorraine France Cadi Ayyad Univ. Maroc	Efficient hydrothermal synthesis of carbon dots from argan cake and their applications	articoll	Diamond and Related Materials Elsevier	1879-0062	159-8	2025	112861-112883	5,1	10.1016/j.diamond.2025.112861	Q1
71	Blaž, D.-A., Peptu, C. A., Balan-Porcarasu, M., Peptu, C., Tuchilus, C. G., & Ochiusi, L.	Blaž/ICMPP, Peptu CA/TUIASI Balan/ICMPP, Peptu C/ICMPP, Tuchilus/UMF lasi, Ochiusi/UMF lasi	Polymer-Free Electrosinping of β -Cyclodextrin-Oligolactide for Magnolol and Honokiol Pharmaceutical Formulations	articoll	Pharmaceutics	1999-4923	17, 1	2025	130-150	5,5	10.3390/pharmaceutics17010130	Q1
72	Păduraru, L., Panainte, A.-D., Peptu, C.-A., Apostu, M., Vieriu, M., Bibire, T., Sava, A., & Bibire, N.	Paduraru, Panainte, Apostu, Vieriu, Bibire, bibire, Sava/UMF lasi, Peptu CA/TUIASI	Smart Drug Delivery Systems Based on Cyclodextrins and Chitosan for Cancer Therapy	review	Pharmaceutics	1424-8247	18, 4	2025	564-602	4,8	10.3390/ph18040564	Q1
73	Adrian Cătălin Puițel, George Bărbjveanu, Cătălin Dumitrel Balan, Mircea Teodor Nechita	TUIasi	Medicago Sativa Stems—A Multi-Output Integrated Biorefinery Approach	Articoll	Polymers	2073-4360	12(17)	2025		4,9	10.3390/polym17121709	Q1
74	Ipate, AM; Serbezeanu, D; Iftimie, IA; Lisa, G; Rîmbu, CM; Vlad-Bubulac, T	Ipate, Serbezeanu, Iftimie, (ICPM) Lisa, (TUIASI); Rîmbu, (Univ Agr Sci & Vet Med); Vlad-Bubulac, T (ICPM)	Study on the Structure, Thermal Properties and Antibacterial Properties of Phosphorus-Modified PVA/TiO2 Composite Films	Articoll	Gels	2310-2861	11,12	2025	1020	5,3	10.3390/gels11121020	Q1
2024												
1	Tincu C.E., Hamcerencu M., Secula M.S., Stan C.S., Albu C., Popa M., Voli I.	Hamcerencu/Franta, Tincu, Secula, Stan, Albu, Popa, Voli/TUIasi	A Natural Carbon Encapsulated in Gellan-Based Hydrogel Particles Designed for Environmental Challenges	articoll	Gels	2310-2861	10	2024	713	5	https://doi.org/10.3390/gels10110713	Q1
2	Hristea G., Iordoc M., Lungulescu E.-M., Bejenari I., Voli I.	Hristea/ICPECA, Iordoc, Lungulescu/ICPECA, Bejenari/TUIasi, Voli/TUIasi	A sustainable bio-based char as emerging electrode material for energy storage applications.	articoll	Scientific Reports	2045-2322	14, (1)	2024	1095	4,6	https://doi.org/10.1038/s41598-024-51350-x	Q1
3	A. Soudani, L. Youcef, M. Chebbi, Laura Bulgariu, N. Pate	Laura Bulgariu/ TUIASI; A. Soudani, L. Youcef, M. Chebbi, N. Pate / Mohamed Khider University, Biskra, Algeria	Agricultural waste-based biochars for sustainable removal of heavy metals from stabilized landfill leachate	Articoll	Environmental Science and Pollution Research	1614-7499	31	2024	57733-57747	0,99	10.1007/s11356-024-34946-8	Q3
4	Mikhailidi A., Ungureanu E., Tofanica B.M., Ungureanu O., Fortuna M.E., Belosinchi D., Voli I.	Ungureanu, Ungureanu O/USV, Fortuna/ ICMP, Tofanica, Voli/TUIasi.	Agriculture 4.0: Polymer Hydrogels as Delivery Agents of Active Ingredients	articoll	Gels	2310-2861	10	2024	368	5	https://doi.org/10.3390/gels10060368	Q1
5	Gabriela Soreanu, Catalin Tanase, Constantin Mardari, Igor Cretescu	Gabriela Soreanu/TUIASI, Catalin Tanase, Constantin Mardari/UAIIC, Igor Cretescu/TUIASI	Assessment of air purification biosystems for environmental applications	Articoll	Process Safety and Environmental Protection	0957-5820	-	2024	1-12	6,9	https://doi.org/10.1016/j.psep.2024.12.123	Q1
6	Di Clemente M.E., Barjoveanu C., Todaro F., Notarnicola M., Teodosiu C.	Barjoveanu G., Teodosiu C./TUIASI; Di Clemente M.E., Todaro, F., Notarnicola M./Politecnico di Bari, Italy.	Bio-Based Materials as a Sustainable Solution for the Remediation of Contaminated Marine Sediments: An LCA Case Study	Articoll	Polymers	2073-4360	16, 2101	2024	18	4,7	https://doi.org/10.3390/polym16152101	Q1

7	Cozma Petronela, Betianu Camelia, Hihior Raluca-Maria, Simion Isabela Maria Gavrilescu Maria	Cozma Petronela, Betianu Camelia, Gavrilescu Maria/TUIASI; Hihior Raluca-Maria/USAMV, Simion Isabela Maria/ "Ion Ionescu de la Brad" Iasi University of Life Sciences	Bio-Recovery of Metals through Biomining within Circularity-Based Solutions	Review	Processes	2227-9717	12(9)	2024	38	2,8	doi.org/10.3390/pr12091793	Q2
8	A.R. Lucaci, Laura Bulgariu	A.R. Lucaci, Laura Bulgariu/TUIASI	Biosorption of Technologically Valuable Metal Ions on Algae Wastes: Laboratory Studies and Applicability	Articol	Water	2073-4441	16	2024	512	3	10.3390/w16040512	Q2
9	D.I. Ferpu, A.A. Ciobanu, I.G. Cara, I. Motrescu, I. Ahmad, G. Nacu, Laura Bulgariu	D.I. Ferpu/Univ. Galati, I.G. Cara, I. Motrescu/USAMV, I. Ahmad/COMSAT University Pakistan; A.A. Ciobanu, G. Nacu, Laura Bulgariu/TUIASI	Circular Approach of Using Soybean Biomass for the Removal of Toxic Metal Ions from Wastewater	Articol	Water	2073-4441	16	2024	3663	3	10.3390/w16243663	Q2
10	Lazar M.M., Damaschin R.P., Volf I., Dinu M.V.*	Lazar M.M./ICMPP, Damaschin, Volf/TUIASI	Deep Cleaning of Crystal Violet and Methylene Blue Dyes from Aqueous Solution by Dextran-based Cryogel Adsorbents	Articol	Gels	2310-2861	10	2024	546	5	https://doi.org/10.3390/gels10090546	Q1
11	Nouj N., Majbar Z., Abeloah M.R., Hamou A.B., Chaoui A., Hafid N., Benafiqir M., El Alem N., Jada A., Ouachak H., Addi A.A., Buciscanu L.L., Maier V., Soreanu G., Cretescu I.	Nouj N., Majbar Z., Abeloah M.R., Hamou A.B., Chaoui A., Hafid N., Benafiqir M., El Alem N., Jada A., Ouachak H., Addi A.A./Maroc, Buciscanu L.L., Maier V., Soreanu G., Cretescu I./TUIASI	Eco-friendly wastewater treatment using a crab shell-based liquid bio-coagulant: Multi-criteria decision analysis related to different pollutants separation	Articol	Journal of Environmental Chemical Engineering	2213-2929	12	2024	112318	7,4	https://doi.org/10.1016/j.jecce.2024.112318	Q1
12	A.A. Ciobanu, A.R. Lucaci, Laura Bulgariu	A.A. Ciobanu, A.R. Lucaci, Laura Bulgariu/TUIASI	Efficient metal ions biosorption on red and green algae biomass: Isotherm, kinetic and thermodynamic study	Articol	Journal of Applied Phycology	0921-8971	36	2024	3809-3827	2,8	10.1007/s10811-024-03332-9	Q1
13	Lisa G., Cretescu I., Enache A.C., Tanase C., Samoilă P., Mardari C., Soreanu G.*	Lisa G., Cretescu I./TUIASI, Enache A.C./ICMPP, Tanase C./UIAIC, Samoilă P./ICMPP, Mardari C./UIAIC, Soreanu G.* /TUIASI	Effects of biofiltration on the physical-chemical-biological profile of the aerial plants used for toluene removal from waste air, revealing new opportunities for circular economy	Articol	Renewable and Sustainable Energy Reviews	1364-0321	207	2024	114890	16,3	https://doi.org/10.1016/j.rser.2024.114890	Q1
14	M. Alikhani, E. Khoshkalam, J. Sadeghi, Laura Bulgariu, H. Eshghi	Laura Bulgariu/TUIASI, M. Alikhani, E. Khoshkalam, J. Sadeghi, H. Eshghi/Payame Noor Univ. Teheran	Efficient phosphate removal utilizing N, Zn-doped carbon dots as an innovative nanoadsorbent	Articol	RSC Advances	2046-2069	14	2024	24534-24547	3,9	10.1039/D4RA02428A	Q2
15	Dinu R., Bejenari I., Volf I., Mija A	Dinu, Mija/ Franta, Bejenari, Volf/TUIASI	Exploring strategies for valorizing wood processing waste: advancing sustainable, fully lignocellulosic bio composites	articol	International Journal of Biological Macromolecules	1879-0003	280	2024	135948	7,7	https://doi.org/10.1016/j.ijbiomac.2024.135948	Q1
16	Gavrilescu Maria	Gavrilescu Maria/ TUIASI	From pollutants to products: Microbial cell factories driving sustainable biomanufacturing and environmental conservation	review	Chemical Engineering Journal	1385-8947	157152, vol. 500	2024		13,4	10.1016/j.cej.2024.157152	Q1
17	Gabur G.D., Teodosiu C., Fighir D., Cotea V.V., Gabur I.	Teodosiu C., Fighir D./TUIASI; Gabur G.D., Cotea V.V., Gabur I./USV Iasi	From Waste to Value in Circular Economy: Valorizing Grape Pomace Waste through Vermicomposting	Review	Agriculture	2077-0472	14, 1529	2024	20	3,3	https://doi.org/10.3390/agriculture14091529	Q1
18	Asiminesei Dana Mihaela, *Fertu Daniela Ionela, Gavrilescu Maria	Fertu Daniela Ionela / Universitatea "Dunarea de Jos" Galati; Asiminesei Dana Mihaela, Gavrilescu Maria/ TUIASI	Impact of heavy metal pollution in the environment on the metabolic profile of medicinal plants and their therapeutic potential	review	Plants - Basel	2223-7747	Nr. 6, Vol. 13	2024		4	10.3390/plants13060913	Q1
19	Nicolae Marcoie, Șerban Chihaiia, Tomi Alexandrei Hranicuc, Cătălin Dumitrel Balan, Elena Niculina Drăgoi, Mircea-Teodor Nechita	Nicolae Marcoie, Șerban Chihaiia, Tomi Alexandrei Hranicuc, Cătălin Dumitrel Balan, Elena Niculina Drăgoi, Mircea-Teodor Nechita/TUIASI	Linking Nutrient Dynamics with Urbanization Degree and Flood Control Reservoirs on the Bahlu River	Articol	Water	2073-4441	16(10)	2024	1322	3,3	https://doi.org/10.3390/w16101322	Q2
20	Gabriela Soreanu*, Catalin Tanase, Constantin Mardari, Dragos Lucian Gorgan, Igor Cretescu	Gabriela Soreanu*/TUIASI, Catalin Tanase, Constantin Mardari, Dragos Lucian Gorgan/UIAIC, Igor Cretescu/TUIASI	Physiological Investigations of the Plants Involved in Air Biofiltration: Study Case.	Articol	Sustainability	2071-1050	16	2024	art 1529	3,3	https://doi.org/10.3390/su16041529	Q2
21	Fighir D., Paduraru C., Ciobanu R., Bucataru F., Plavan O., Gherghel A., Barjoveanu G., Mihai M., Teodosiu C.*	Fighir D., Paduraru C., Ciobanu R., Plavan O., Gherghel A., Barjoveanu G., Teodosiu C./TUIASI; Bucataru F., Marcela M./ICMPP	Removal of diclofenac and heavy-metal ions from aqueous media using composite sorbents in dynamic conditions	Articol	Nanomaterials	2079-4991	14, 33,	2024	17	4,4	https://doi.org/10.3390/nano14010033	Q1
22	Ciobanu, R., Bucataru, F., Mihai, M., Teodosiu, C.*	Ciobanu, R., Teodosiu C./TUIASI; Bucataru F., Marcela M./ICMPP	Silica-Based Composite Sorbents for Heavy Metal Ions Removal from Aqueous Solutions	Articol	Polymers	2073-4360	16, 3048	2024	13	4,7	https://doi.org/10.3390/polym16213048	Q1
23	Damaschin R.P., Lazar M.M., Ghorghita C.A., Aprotosoaie A.C., Volf I., Dinu M.V.*	Damaschin, Volf/TUIASI, Lazar, Ghorghita, Aprotosoaie, Dinu/ICMPP	Stabilization of Picea Abies spruce bark extracts within ice-templated porous dextran hydrogels	articol	Polymers	2073-4360	16	2024	2834	4,7	https://doi.org/10.3390/polym16192834	Q1
24	D.I. Fertu, Laura Bulgariu, M. Gavrilescu	Laura Bulgariu, M. Gavrilescu / TUIASI; D.I. Fertu/Univ. Galati	Sustainable use of some natural materials and waste for the decontamination of environmental components polluted with heavy metals	Review	Environmental Engineering and Management Journal	1582-9596	23(7)	2024	1543-1569	0,9	10.30638/eej.2024.107	Q4
25	Armanu G.E., Secula M.S., Tofanica B.M., Volf I	Armanu, Secula, Tofanica, Volf/TUIASI	The Impact of Biomass Composition Variability on the Char Features and Yields Resulted through Thermochemical Processes	articol	Polymers	2073-4360	16	2024	2334	4,7	https://doi.org/10.3390/polym16162334	Q1
26	Adrian Cătălin Puițel, Georgiana Bălășescu, Cătălin Dumitrel Balan, Mircea Teodor Nechita	Adrian Cătălin Puițel, Georgiana Bălășescu, Cătălin Dumitrel Balan, Mircea Teodor Nechita/TUIASI	The Potential Valorization of Corn Stalks by Alkaline Sequential Fractionation to Obtain Papermaking Fibers, Hemicelluloses, and Lignin—A Comprehensive Mass Balance Approach	Articol	Polymers	2073-4360	16(11)	2024	1542	4,7	https://doi.org/10.3390/polym16111542	Q1
27	Zaharia C., Musteter C.P., Afrasinei M.A.	Zaharia C., Musteter C.P., Afrasinei M.A./TUIASI	The Use of Coagulation-Flocculation for Industrial Colored Wastewater Treatment - (I) The application of Hybrid Materials	Review	Applied Sciences	2076-3417	14 (5) 2184	2024	13150	2,5	https://doi.org/10.3390/app14052184	Q2
28	Dinu R., Bejenari I., Volf I., Mija A	Dinu, Mija/ Franta, Bejenari, Volf/TUIASI	Towards Sustainable and Recyclable Plastic Materials: Vanillin-Based Epoxy Bio-composites with Spruce Bark Powder and Hydrochar, Pioneering Green Chemistry Solutions for Shape Memory Applications	articol	Industrial Crops& Products	0926-6690	221	2024	119363	5,6	https://doi.org/10.1016/j.indcrop.2024.119363	Q1
29	Martinas-Ionita S. L., Apostolescu G.A., Harja M.	Martinas-Ionita S. L./TUIASI, Apostolescu G.A./TUIASI, Harja M./TUIASI,	Advanced recovery of valuable materials from e-waste	Articol	Scientific Papers. Series E. Land Reclamation, Earth Observation & Surveying, Environmental Engineering	2285-6064	Vol. XIII	2024	137-142	0,3		Q4
30	Vrabie M., Apostolescu N., Harja M.	Vrabie M./TUIASI, Apostolescu N./TUIASI, Harja M./TUIASI,	Industrial wastes used as additives in building materials to reduce environmental pollution.	Articol	Scientific Papers. Series E. Land Reclamation, Earth Observation & Surveying, Environmental Engineering	2285-6064	Vol. XIII	2024	372-377	0,3		Q4
31	Caftanachi M., Tataru-Farmus R.E., Harja M.	Caftanachi M./TUIASI, Tataru-Farmus R.E./TUIASI, Harja M./TUIASI,	Obtaining alkali activated inorganic materials by recovery of wastes.	Articol	Scientific Papers. Series E. Land Reclamation, Earth Observation & Surveying, Environmental Engineering	2285-6064	Vol. XIII	2024	34 - 44	0,3		Q4
32	Hanganu D., Favier L., Harja M.	Hanganu D./TUIASI, Favier L./France, Harja M./TUIASI,	Comparison of methods for antibiotic compounds removal from aqueous solutions.	Articol	Scientific Papers. Series E. Land Reclamation, Earth Observation & Surveying, Environmental Engineering	2285-6064	Vol. XIII	2024	107-114	0,3		Q4
33	Vasiliu, I., Lazar, L., Rusu L., Harja M.	Vasiliu, I./TUIASI, Lazar L./TUIASI, Rusu L./UBacau, Harja M./TUIASI	Effect of alternative raw materials over clinker quality and CO2 emissions	Articol	Scientific Study & Research Chemistry & Chemical Engineering, Biotechnology, Food Industry	1582-540X	25 (3)	2024		0,3	10.29081/ChIBA.2024.601	Q4
34	Fanache M., Vasiliu L., Harja M.*	Fanache M., Vasiliu L., Harja M.*	Composite materials with glass fiber waste and blast furnace slag	Articol	Journal of Composite Science	2504-477X	8(7)	2024	256	3	doi.org/10.3390/jcs8070256	Q2
35	Forminte L., Buema G., Mosoarca G., Harja M.*	Forminte L./TUIASI, Buema G./IFT, Mosoarca G./UPT, Harja M./TUIASI,	Copper Ion Removal by Adsorption using Fly Ash-based Geopolymers: Process Optimization Insights from Taguchi and ANOVA Statistical Methods	Articol	Materials	1996-1944	17(16)	2024	3992	3,1	1996-1944	Q1

36	Wu, T; Karimi-Maleh, H; Li Y; Zhang, Z; Zhang, D; Wen, Y; Fu, L; Zhong, N; Dragoi, EN; Aminabhavi, TM	[Wu, Tao] Univ of Electr Sci Technol, China; [Karimi-Maleh, Hassan] Damghan Univ, Iran; [Li, Yan, Zhang, Dongping] Univ Elect Sci Technol, Guangdong, China; [Zhang, Zhouxiang] Univ Electronic Sci Technol, China; [Wen, Yangping] Jiangxi Agricultural University, China; [Fu, Li] College Mat Envlng, Hangzhou Dianzi Univ, Hangzhou 310018, China; [Zhong, Nianbing] Chongqing, China; [Dragoi, Elena Niculina] TUIASI; [Aminabhavi, Tejraj M] Korea Univ, Seoul, South Korea	3D printed monolithic nanocomposites as adsorbents to remove Congo red and mercury (II) from wastewater	Articoll	Chemical Engineering Journal	1385-8947	501(1)	2024	157710	13,4	10.1016/j.cesj.2024.157710	Q1
37	Ahmadi, F; Samadi, MT; Godini, K; Moradi, S; Dragoi, EN; Suditu, GD	[Ahmadi, Fatemeh] Shahid Beheshti Univ Med Sci, Student Res Comm, Sch Publ Hlth & Safety, Tehran, Iran; [Samadi, Mohammad Taghi; Moradi, Samira] Hamedan Univ Med Sci, Res Ctr Hlth Sci, Dept Environm Hlth Engr, Hamedan, Iran; [Godini, Kazem] Kurdistan Univ Med Sci, Res Inst Hlth Dev, Environm Hlth Res Ctr, Sanandaj, Iran; [Dragoi, Elena Niculina; Suditu, Gabriel Dan] Gheorghe Asachi Tech Univ, Cristofor Simionescu Fac Chem Engr & Environm Prot, Bld Mangeron 73, Iasi 700050, Romania	An Approachable Anaerobic Bioreactor for Remote Biogas Production: Experimental Analysis and Neuroevolution Modeling	Articoll	International Journal of Energy Research	0363-907X	2024	2024	4260678	4,3	10.1155/erj/4260678	Q1
38	Al Janabi, MAY; Tiri, RNE; Cherif, A; Altuner, EE; Lee, CJ; Sen, F; Dragoi, EN; Karimi, F; Kalikeri, S	[Al Janabi, Muhammad Ali] Younis, Tiri, Rima Nour El Houda; Altuner, Elif Esra; Sen, Fatih] Dumlupinar Univ, Dept Biochem, Sen Res Grp, TR-43000 Kutahya, Turkey; [Sen, Fatih] SRG Inc Co, Technopk, Calca OSB, Kutahya, Turkey; [Cherif, Ali; Lee, Chul-jin] Chung Ang Univ, Sch Chem Engr & Mat Sci, 84 Heukseok Ro, Seoul, South Korea; [Cherif, Ali] Univ Texas Austin, Bur Econ Geol, Austin, TX 78758 USA; [Lee, Chul-jin] Chung Ang Univ, Dept Intelligent Energy & Ind, 84 Heukseok Ro, Seoul, South Korea; [Dragoi, Elena Niculina] Gheorghe Asachi Tech Univ, Cristofor Simionescu Fac Chem Engr & Environm Prot, Bld D Mangeron not 73, Iasi 700050, Romania; [Karimi, Fatemeh] Univ Elect Sci & Technol China, Sch Resources & Environm, Chengdu, Peoples R China; [Karimi, Fatemeh] Lebanese Amer Univ, Sch Engr, Byblos, Lebanon; [Kalikeri, Shankramma] JS Acad Higher Educ & Res, Sch Lifesci, Div	Hydrogen Generation by Methanolysis of NaBH4 via Efficient CuFe2O4 Nanoparticle Catalyst: A Kinetic Study and DNN Model	Articoll	Topics in catalysis	1022-5528	67(9-12)	2024	843-852	2,8	10.1007/s11244-024-01904-0	Q2
39	Madhusudhanan, J; Kaliappan, S; Sathyamurthy, R; Saravanan, R; Sathish, T; Prabu, D; Rajasimman, M; Al-Kabntani, AA; Dragoi, EN	[Madhusudhanan, J; Kaliappan, S] Anna Ind Inst Higher Technol, Dept Biotechnol, Chennai, Tamil Nadu, India; [Madhusudhanan, J; Kaliappan, S] Velammal Inst Technol, Dept Mech Engr, Chennai 601204, Tamil Nadu, India; [Sathyamurthy, Ravishankar] KPR Inst Engr & Technol, Dept Mech Engr, Coimbatore 641407, Tamil Nadu, India; [Sathyamurthy, Ravishankar] Univ Cir Res & Dev, Chandigarh Univ, Dept Mech Engr, Mohali 140413, Punjab, India; [Sathish, T] Saveetha Sch Engr SIMATS, Dept Mech Engr, Chennai, Tamil Nadu, India; [Saravanan, R; Prabu, D] Sathyabama Inst Sci & Technol, Dept Chem Engr, Chennai, India; [Rajasimman, M] Annamalai Univ, Dept Chem Engr, Chidambaram 608002, India; [Al-Kabntani, Abdullah A.] King Saud Univ, Coll Sci, Dept Chem, P.O.B 2455, Riyadh 11451, Saudi Arabia; [Dragoi, Elena-Niculina] Gheorghe Asachi Tech Univ, Cristofor Simionescu Fac Chem Engr &	Influence of nanopores volumes in hydrogen absorption properties of B4C and WC carbide-derived carbon nanomaterials	Articoll	International Journal of Hydrogen Energy	0360-3199	52	2024	443-455	8,1	10.1016/j.ijhydene.2023.03.318	Q1
40	Tărcoveanu F., Leon Florin, Lisa C., Curteanu S., Feraru A., Ali K., Anton T	Tărcoveanu, Anton/UMF Iasi, Leon, Curteanu, Lisa /TUIASI, Feraru/Univ Bacau, Ali/Coventry, Chester, Hoso	The use of artificial neural networks in studying the progression of glaucoma	Articoll	Scientific Reports	2045-2322	1, 14	2024	19597	3,8	10.1038/s41598-024-70748-1	Q1
41	Anghel, I; Lisa, C; Curteanu, S; Preda, DM; Sofran, JE; Baia, M; Stroe, M; Paraschiv, M; Baibarac, M; Dancu, V; Cotet, LC; Baia, L	Anghel, Preda, Sofran/Academia de Politie, Lisa, Curteanu/Tuasi; Baia M, BaiaL, Cotet/Babes Bolyai Univ, Stroe, Paraschiv, Baibarac/Nati Inst Mate Phys	The influence of the functionalization of polystyrene and graphene oxide composites on the flammability characteristics: modeling with artificial intelligence tools, Journal of Thermal analysis and calorimetry	Articoll	Journal of Thermal analysis and calorimetry	1388-6150	7, 149	2024	2805-2824	3	10.1007/s10973-023-12869-9	Q2
42	Safa Noua, Rachid Aziam, Ridouan Benahiti, Gabriela Carja, Mohamed Zerbet, Mohamed Chiban	Noua, Aziam, Benhiz Zerbet, Chiban/ Ibn Zohr, Universiti, Agadir, Maroc, Carja/"Gheorghe Asachi" Technical University of Iasi	Exploiting RSM and ANN modeling methods to optimize phosphate ions removal using LDH/alginate composite beads	Articoll	Journal of Water Process Engineering	2214-7144	68	2024	106333	6,3	10.1016/j.jwpe.2024.106333	Q1
43	Diana Gilea, Elena Mihaela Seftel, Tim Van Everbroeck, Gabriel Ababei, Pegie Cool, Gabriela Carja	Gilea, Seftel, Van Everbroeck/Gilea/Univ, Antwerp Seftel/ITO Institute, Belgium, Carja/"Gheorghe Asachi" Technical University of Iasi	NO reduction with CO on metal nanoparticles/layered double hydroxides heterostructures obtained via the structural memory effect	Articoll	Catalysis Today	0920-5861	425	2024	114342	5,2	10.1016/j.cattod.2023.114342	Q1
44	Ignat Eugenia Corina, Carja Gabriela	Ignat, Carja/ Gh. Asachi Technical University of Iasi	Novel Ni-ZnCoFeAlDH Heterostructures and their derived mixed oxides studies on the E structural and nonmorphology properties	Articoll	U.P.B. Sci. Bull., Series B	1454-2331	86	2024	93-102	0,3		Q4
45	Giolacu, F; Malutan, T; Lisa, G; Ichim, M	Giolacu, Malutan, Lisa, Ichim/Tuasi	Influence of Lignin Type on the Properties of Hemp Fiber-Reinforced Polypropylene Composites	Articoll	Polymers	2073-4360	23, 16	2024	3442	4,7	10.3390/polym16233442	Q1
46	Bejenari, V.; Danu, M.; Ipate, A.-M.; Zaltariov, M.-F.; Rusu, D.; Lisa, G.	Bejenari, Danu, Lisa/Tuasi; Ipate, Zaltariov, Rusu/ICMPPI	Composite Materials Based on Spent Coffee Grounds and Paper Pulp	Articoll	Journal of Composite Sciences	2504-477X	8(12)	2024	491	3	10.3390/cs8120491	Q2
47	Birgăuani I, Gavrilescu M, Leon F, Curteanu F, Lisa G	Birgăuani, Gavrilescu, Leon, Curteanu, Lisa/Tuasi	Thermodynamic properties of binary, ternary and quaternary mixtures: N-butyl acetate- n-hexanol - n-dimethylacetamide-water: Modeling using regression algorithms and optimization using socially-inspired evolutionary algorithms	Articoll	JOURNAL OF THE TAIWAN INSTITUTE OF CHEMICAL ENGINEERS	1876-1070	165	2024	105796	5,5	10.1016/j.jtice.2024.105796	Q1

48	Mihaila A, Ipate A-M, Zaltariov M-F, Rusu D, Balan-Porcarasu M, Stoica I, Lisa G	Mihaila, Lisa/Tuasi, Ipate, Zaltariov, Rusu, Balan-Porcarasu, Stoica / ICMPPI	Evaluation of natural ageing of alkyl paints used for wood protection	Articol	POLYMER DEGRADATION AND STABILITY	0141-3910	229	2024	110947	6,3	10.1016/j.polydegradstab.2024.110947	Q1
49	Nicu, R.; Lisa, G.; Dariu-Nita, R.N.; Avadanei, M.I.; Bargan, A.; Rusu, D.; Ciolacu, D.E.	Nicu, Dariu-Nita, Avadanei, Bargan, Rusu, Ciolacu/ICMPPI; Lisa /Tuasi	Tailoring the Structure and Physico-Chemical Features of Cellulose-Based Hydrogels Using Multi-Epoxy Crosslinking Agents	Articol	GELS	2310-2861	8, 10	2024	523	5	10.3390/gels10080523	Q1
50	Creteanu, A.; Lisa, G.; Vasile, C.; Popescu, M.-C.; Pamfil, D.; Lungu, C.N.; Panaite, A.D.; Tantar, G.	Creteanu, Panaite, Tantar/UMF Iasi; Lisa /Tuasi, Vasile, Popesc, Pamfil/ICMPPI, Lungu/Univ Galati	New Hydrophilic Matrix Tablets for the Controlled Released of Chlorzoxazone	Articol	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	1661-6596	10, 12	2024	5137	4,9	10.3390/ijms25105137	Q1
51	Barabulica, I.; Secula, M.S.; Asoltanei, A.M.; Iacob-Tudose, E.T.; Lisa, G.; Mamaliga, I.	Barabulica, Secula, Asoltanei, Iacob-Tudose, Lisa, Mamaliga /Tuasi	Experimental Study on the Reaction of Magnesium in Carbon Dioxide and Nitrogen Atmosphere	Articol	ChemEngineering	2305-7084	2, 8	2024	41	2,8	10.3390/chemengineering8020041	Q2
52	Serbezeanu, D.; Homoicanu, M.; Lisa, G.; Hamciuc, C.	Serbezeanu, Homoceanu, Hamciuc/ICMPPI, Lisa /Tuasi	Enhancing flame retardancy and optical functionality in multifunctional devices through advanced design of phosphorus-containing copoly(imide-oxadiazole)s	Articol	JOURNAL OF APPLIED POLYMER SCIENCE	0021-8995	17, 141	2024	55284	2,7	10.1002/app.55284	Q2
53	Constantin C-P, Balan-Porcarasu M, Lisa G	Constantin, Balan-Porcarasu/ICMPPI, Lisa/Tuasi	Exploring innovative synthetic solutions for advanced polymer-based electrochromic energy storage devices: Phenoxazine as a promising chromophore	Articol	Journal of Energy Chemistry	2095-4956	91	2024	433-452	14	10.1016/j.jechem.2023.12.026	Q1
54	Lisa G, Cleminte CI, Michinobu T	Lisa, Cleminte/Tuasi; Michinobu/Tokyo Institute of Technology, Iapan	Thermal stability and degradation mechanism of C60 fullerene-based polymers	Articol	JOURNAL OF APPLIED POLYMER SCIENCE	0021-8995	11, 141	2024	55079	2,7	10.1002/app.55079	Q2
55	Asoltanei, A.M., Iacob-Tudose, E.T., Secula, M.S., Mamaliga, I.	TUASI	Mathematical Models for Estimating Diffusion Coefficients in Concentrated Polymer Solutions from Experimental Data	Articol	Processes	2227-9717	12(6)	2024	1266	2,8	10.3390/pr12061266	Q2
56	Nkemaja Dydimus Efeze, Eteme Enama Serge, Nsangou Abdouramane, Doina Sibiescu, Fabien Ebanda Betene, Pierre Marcel Ancicet Noah, Hambaté Gomdjé Valéry	Nkemaja Dydimus Efeze, Eteme Enama Serge, Nsangou Abdouramane, Doina Sibiescu/TUASI, Fabien Ebanda Betene, Pierre Marcel Ancicet Noah, Hambaté Gomdjé Valery	BIO-TEXTILES AGAINST ARTHROPOD PESTS: A REVIEW.	Articol	Environmental Engineering & Management Journal (EEMJ)	1582-9596	23(4)	2024	1137-1143	0,9		Q4
57	Andreea Mihaela, Alina-Mirela Ipate, Mirela-Fernanda Zaltariov, Daniela Rusu, Roxana Constantinel Gabriela Lisa	Mihaila, Constantinel, Lisa/Tuasi, Ipate, Zaltariov, Rusu/ICMPPI	THE INFLUENCE OF ENVIRONMENTAL FACTORS ON THE PERFORMANCE OF WOOD COATING SYSTEMS	Articol	Environmental Engineering and Management Journal	1582-9596	23(11)	2024	2327-2340	0,9		Q4
58	Suteu, D; Blaga, AC; Rusu, I; Tanasa, AM	Rusu/UVAB	Saccharomyces pastorianus Residual Biomass Immobilized in a Polymer Matrix as a Biosorbent for Reactive Dye Removal: Investigations in a Dynamic System	Articol	Polymers	2073-4360	16, 4	2024	491	4,7	10.3390/polym16040491	Q1
59	Blaga, AC; Kloetzer, I; Cascaval, D; Galaction, AI; Tucaliuc, A	Galaction/UMF	Studies on Reactive Extraction of Itaconic Acid from Fermentation Broths	Articol	PROCESSES	2227-9717	12, 4	2024	725	2,8	10.3390/pr12040725	Q2
60	Dragoi, EN; Blaga, AC; Cascaval, D; Galaction, AI	Galaction/UMF	Experimental, modeling and optimisation of adipic acid reactive extraction using ionic liquids	Articol	JOURNAL OF MOLECULAR LIQUIDS	0167-7322	410	2024	125564	5,3	10.1016/j.molliq.2024.125564	Q1
61	Maxim, C; Blaga, AC; Tataru-Farmus, RE; Suteu, D	TUASI	Acemella oleracea Metabolite Extraction Using Natural Deep Eutectic Solvents	Articol	Processes	2227-9717	12, 8	2024	1686	2,8	10.3390/pr12081686	Q2
62	Maxim, C; Blaga, AC; Cimpoesu, R; Zinicovscaia, I; Peshkova, A; Danu, M; Barna, AS; Suteu, D	Zinicovscaia/INR; Peshkova/INR	Natural Antioxidants from Acemella oleracea Extract as Dermatocosmetic Actives	Articol	SCIENTIA PHARMACEUTICA	2218-0532	92, 3	2024	52	2,3	10.3390/scipharm92030052	Q3
63	A.S. Palade, M. Ivancia, D.F. Loghin, A.M. Mocanu	Ivancia/USAMV Iasi, Loghin/Institutul P. Poni Iasi	Characterization of some ceramic materials used in dental technique	Articol	Revista Română de Materiale/Romanian Journal of Materials	2457-502X	54(1)	2024	45729	0,7		Q4
64	Muresan Emil Ioan, Pui Aurel, Cernatescu Corina, Cimpoesu Ramona, Horhoga Cristina Elena, Istrate Bogdan, Rimbu Cristina Mihaela	Pui/UAIG, Horhoga/USV, Rimbu/USV	Green Synthesis of Nanoparticles Containing Zinc Complexes and Their Incorporation in Topical Creams with Antimicrobial Properties	Articol	Applied Sciences	2076-3417	14(11)	2024	4612	2,50	https://doi.org/10.3390/app14114612	Q1
65	Ichim Mariana, Muresan Emil Ioan, Codau Elena	TUASI	Natural-Fiber-Reinforced Polymer Composites for Furniture Applications	review	Polymers	2073-4360	16(22)	2024	3113	4,70	https://doi.org/10.3390/polym16223113	Q1
66	Turcov, D.; Trifan, A.; Puteil, A.C.; Cimpoesu, R.; Zbranca-Toporas, A.; Maxim, C.; Suteu, D.; Barna, A.S.	Turcov, Zbranca-Toporas, Trifan, UMF Iasi / Puteil, Maxim, Cimpoesu,Suteu, Barba TUASI	Preliminary Studies about Valorization of Acemella oleracea Bioactive Content in Modern Dermato-Cosmetic Applications to Combat Skin Oxidative Stress	articol	INT. J. MOL. SCI	1422-0067	25(16)	2024	8886	4,9	doi.org/10.3390/ijms25168886	Q2
67	Maxim C., Turcov D., Trifan A., Suteu D., Barna A.S.	Maxim, Suteu, Barna -TUASI/ Turcov, Trifan -UMF-Iasi	PRELIMINARY CHARACTERIZATION OF THE PHYTOEXTRACTS FROM ACMELLA OLERACEA WITH THERAPEUTIC POTENTIAL AND APPLICABILITY IN ACTIVE COSMETICS	articol	CICBIA BUCAU	1582-540X	25(2)	2024	169-182	0,3	doi:10.29081/ChIBA.2024.596	Q4
68	Maxim C., Trifan A., Suteu D.	Maxim, Suteu - TUASI/ Trifan -UMF, Iasi	OBTAINING AND CHARACTERIZATION OF PROPANEDIOL PHYTOEXTRACTS FROM ACMELLA OLERACEA	articol	STUDIA UMB CHEMIA	2065-9520	LXIX, 3.	2024	203-220	0,5	doi:10.24193/subbchem.2024.3.13	Q4
69	Onu Ilie, Gherghel Robert; Nacu, Isabella; Cojocaru Florina-Daniela; Verestiuc Liliana; Matei Daniela; Viorelia; Cascaval Dan; Serban Ionela Lacramioara; Iordan Daniel Andrei;Tucaliuc Alexandra; Galaction Anca-Irina	Onu/UMF Iasi; Gherghel/UMF Iasi; Nacu/UMF Iasi; Cojocaru/UMF Iasi; Verestiuc/UMF Iasi; Matei/UMF Iasi; Serban/UMF Iasi; Iordan/Univ Galati; Galaction/UMF Iasi	Can Combining Hyaluronic Acid and Physiotherapy in Knee Osteoarthritis Improve the Physicochemical Properties of Synovial Fluid?	Articol	Biomedicines	2227-9059	2(12)	2024	449	3,9	10.3390/biomedicines12020449	Q2
70	Ciolacu, Florin ; Malutan, Teodor ; Lisa, Gabriela ; Ichim, Mariana		Influence of Lignin Type on the Properties of Hemp Fiber-Reinforced Polypropylene Composites	Articol	Polymers	2073-4360	23(16)	2024	3442	4,7	10.3390/polym16233442	Q1
71	Blaga, AC; Dragoi, EN; Gal, DG; Puteil, AC; Tucaliuc, A; Kloetzer, I; Cascaval, D; Galaction, AI	Galaction/Universitatea de Medicină și Farmacie Grigore T.Popa, Iasi	Selective separation of vitamin C by reactive extraction using ionic liquid: Experimental and modelling	articol	JOURNAL OF INDUSTRIAL AND ENGINEERING	1226-086X	133	2024	183-194	5,9	10.1016/j.jiec.2023.11.057	Q1
72	Tanasa, AM; Puteil, AC; Tataru-Farmus, RE; Suteu, D	TUASI	Vegetable lignocellulosic wastes used as biosorbent for removal of Cu(II) from aqueous media	Articol	DESALINATION AND WATER TREATMENT	1944-3994	293	2024	216-223	1	10.5004/dwt.2023.29552	Q4
73	Blaga, AC; Dragoi, EN; Tucaliuc, A; Kloetzer, I; Puteil, AC; Cascaval, D; Galaction, AI	Galaction/Universitatea de Medicină și Farmacie Grigore T.Popa, Iasi	Reactive extraction of muconic acid by hydrophobic phosphonium ionic liquids: Experimental, modelling and optimisation with Artificial Neural Networks	articol	Heliyon	2405-8440	16(10)	2024	36113	3,4	10.1016/j.heliyon.2024.e36113	Q1
74	L. Chirilă, M. S. Stan, I. C. Voinea, A. Popescu, A.-G. Ene, M. Danu, C. Ibrănescu, M.-C. Lite	Chirilă/INCDDP, Stan/UB, Voinea/UB, Popescu/ INCDDP, Ene/ INCDDP, Lite/ INCDDP	Biocompatibility and antibacterial activity of eugenol and copaiba essential oil-based emulsions loaded on cotton textile materials	Articol	Polymers	2073-4360	16(16)	2024	18	4,7	10.3390/polym16162367	Q1
75	D.-A. Blaj, C. A. Peptu, M. Danu, V. Harabagiu, C. Peptu, A. Bujor, L. Ochizu, C. G. Tuchilus	Blaj/ ICMP, Harabagiu/ICMP, Peptu/ ICMP, Bujor/UMF, Ochizu/UMF, Tuchilus/UMF	Enrofloxacin pharmaceutical formulations through the polymer-free electrospinning of β -cyclodextrin-oligoactide derivatives	Articol	Pharmaceutics	1999-4923	16(7)	2024	903	4,9	10.3390/pharmaceutics16070903	Q1
76	Afoarea, O.-T.; Nacu, I.; Verestiuc, L.; Yilmaz, C.N.; Panaite, A.D.; Peptu, C.A.; Ostafe, I.-G.; Bibire, N.	Afoarea, O.-T.-UMF, Nacu, I.-UMF, ICMP, Verestiuc, L.-UMF; Yilmaz, C.N.-UMF; Panaite, A.D.-UMF; Ostafe, I.-G.-Spitalul Clinic Cuza Voda; Bibire, N.-UMF	In Vitro and Ex Vivo Evaluation of Novel Methacrylated Chitosan-PNIPAAm-Hyaluronic Acid Hydrogels Loaded with Progesterone for Applications in Vaginal Delivery.	Articol	Polymers	2073-4360	16(15)	2024	2160	4,7	https://doi.org/10.3390/polym16152160	Q1
77	Leon, M.M.; Maștaleru, A.; Oancea, A.; Alexa-Stratulat, T.; Peptu, C.A.; Tamba, B.-I.; Harabagiu, V.; Grosu, C.; Alexa, A.I.; Cojocaru, E.	Leon, M.M.-UMF; Maștaleru, A.-UMF; Oancea, A.-UMF; Alexa-Stratulat, T.-UMF; Tamba, B.-I.-CEMER; Harabagiu, V.-ICMP; Grosu, C.-UMF; Alexa, A.I.-UMF; Cojocaru, E.-UMF	Lidocaine-Liposomes—A Promising Frontier for Transdermal Pain Management	Articol	Journal of Clinical Medicine	2077-0383	13	2024	271	3	https://doi.org/10.3390/jcm13010271	Q1
78	Logigan, C.-L.; Delaite, C.; Popa, M.; Băcăliță, E.S.; Tiron, C.E.; Peptu, C.; Peptu, C.A.	Logigan, C.-L.-TUASI; Delaite, C.-HAUTE D'ALSACE; Popa, M.-TUASI; Băcăliță, E.S.-TUASI; Tiron, C.E.-IRO; Peptu, C.-ICMP	Poly(ethylene glycol) Methyl Ether Acrylate-Grafted Chitosan-Based Micro- and Nanoparticles as a Drug Delivery System for Antibiotics	Articol	Polymers	2073-4360	16	2024	144	4,7	https://doi.org/10.3390/polym16010144	Q1
79	Luca A, Cojocaru F-D., Pascal M.S., Vlad T., Nacu I, Peptu C.A., Butnaru M., Verestiuc L.	Luca A.-UMF, Cojocaru F.-D.-UMF, Pascal M.S.-UMF, Vlad T.-UMF, Nacu I.-UMF, ICMP, Butnaru M.-UMF, Verestiuc L.-UMF	Decellularized Macroalgae as Complex Hydrophilic Structures for Skin Tissue Engineering and Drug Delivery	Articol	Gels	2310-2861	10(11)	2024	704	5	10.3390/gels10110704	Q1
80	Afoarea O.-T., Nacu I., Verestiuc L., Yilmaz C.N., Panaite A.D., Peptu C.A., Ostafe I.-G., Bibire N.	Afoarea O.-T., Nacu I., Verestiuc L., Yilmaz C.N., Panaite A.D., Ostafe I.-G., Bibire N.	In Vitro and Ex Vivo Evaluation of Novel Methacrylated Chitosan-PNIPAAm-Hyaluronic Acid Hydrogels Loaded with Progesterone for Applications in Vaginal Delivery	Articol	Polymers	2073-4360	16(15)	2024	2160	4,7	10.3390/polym16152160	Q1
2023												
1	I.M. Tanasa, M.M.Cazacu, B.M.Sluser	I.M.Tanasa, M.M.Cazacu, B.M.Sluser/ TUASI	Air quality integrated assessment: environmental impacts, risks and human health hazards.	Articol	Appl. Sci.	2076-3417	13(2), 1222	2023	19	2,70	10.3390/app13021222	Q3

2	Ionela Catalina Vasilachi, Vasile Stoleru, Maria Gavrilescu	Universitatea Tehnica "Gheorghe Asachi" din Iasi Universitatea de Stiinta ale Vietii "Ion Ionescu de la Brad" Iasi	Analysis of heavy metal impacts on cereal crop growth and development in contaminated soils	review	Agriculture-Basel	2077-0472	Nr. 10 vol. 13	2023	50	3,6	10.3390/agriculture13101983	Q1
3	Genevove Rosu, Emil Ioan Muresan, Adrian Florin Spac, Mariana Diaconu, Diana Elena Ciocluca, Angela Danila, Carmen Tita, Augustin Muresan	Genevove Rosu, Emil Ioan Muresan, Mariana Diaconu, Angela Danila, Carmen Tita, Augustin Muresan / TUJIASI; Adrian Florin Spac / UMF "Grigore T. Popa" Iasi; Diana Elena Ciocluca / Inst. De Ch. Macro	Aromatherapeutic and Antibacterial Properties of Cotton Materials Treated with Emulsions Containing Peppermint Essential Oil (Menthae piperitae aetheroleum)	Articol	Polymers	2073-4360	15,(10)	2023	2348, 1-21	5	https://doi.org/10.3390/polym15102348	Q1
4	T.P. Chau, Laura Bulgariu, M. Saravanan, R. Rajkumar, A. Chinnathambi, S.H. Salmen, G.K. Jhannani	Laura Bulgariu / TUJIASI; Chau, Saravanan, Rajkumar, Chinnathambi, Salmen, Jhannani/Chandigarh Univ, India	Bioremediation efficiency of free and immobilized form of Aspergillus niger and Aspergillus tubigenesis biomass on tannery effluent	Articol	Environmental Research	0013-9351	231	2023	116275	8,3	doi.org/10.1016/j.enrvres.2023.116275	Q1
5	A.A. Ciobanu, G.G. Vasile, Laura Bulgariu	A.A. Ciobanu, Laura Bulgariu / TUJIASI; Vasile/ECONIND, Bucuresti	Biosorption of Cu(II) ions on algae biomass and derived biochar	Articol	Environmental Engineering and Management Journal	1582-9596	22(5)	2023	899-907	1,1		Q4
6	Mihaela Roşca, Bruna Silva, Teresa Tavares, Maria Gavrilescu	Universitatea de Stiinta ale Vietii "Ion Ionescu de la Brad" Iasi Universitatea Minho, Portugal, Universitatea Tehnica "Gheorghe Asachi" din Iasi	Biosorption of Hexavalent Chromium by Bacillus megaterium and Rhodotorula sp. Inactivated Biomass	articol	Processes	2227-9717	Nr. 1, vol. 11	2023	19	3,5	10.3390/pr11010179	Q2
7	Mikhailidi A., Ungureanu E., Belosinchi D., Tofanica B.M., Volf* I.,	Ungureanu USV, Tofanica TUJIASI, Volf TUJIASI,	Cellulose-Based Metallogels - Part 3: Multifunctional Materials	review	Gels	ISSN: 2310-2861	9	2023	878	4,6	https://doi.org/10.3390/gels9110878	Q1
8	Mikhailidi A., Volf I*, Belosinchi D., Tofanica B.M., Ungureanu E.	Volf/TUJIASI, Tofanica/TUJIASI, Ungureanu/USV	Cellulose-Based Metallogels-Part 1: Raw Materials and Preparation	review	Gels	ISSN: 2310-2861	9	2023	390	4,6	https://doi.org/10.3390/gels9050390	Q1
9	Mikhailidi A., Volf I*, Belosinchi D., Tofanica B.M., Ungureanu E.	Volf/TUJIASI, Tofanica/TUJIASI, Ungureanu/USV	Cellulose-Based Metallogels-Part 2: Physico-Chemical Properties and Biological Stability	review	Gels	ISSN: 2310-2861	9	2023	633	4,6	https://doi.org/10.3390/gels9080633	Q1
10	Mustafa S Mohammed, Shurooq T Al-Humairi, Riyadh S Al-Mukhtar, Saja Mohsen Alardhi, Auwal Aliyu, Ali Dawood Salman, Miklós Jakab, Hungary, Forat Yasir Aljaber/Iraq, Brindusa Sluser, Igor Cretescu/TUJIASI	T Al-Humairi, Riyadh S Al-Mukhtar, Saja Mohsen Alardhi, Auwal Aliyu, Ali Dawood Salman/Iraq, Miklós Jakab/Hungary, Forat Yasir Aljaber/Iraq, Brindusa Sluser, Igor Cretescu/TUJIASI	Colored Wastewater Treatment by Clathrate Hydrate Technique	articol	Water	2073-4441	15(12)	2023	1-14	3,4	https://doi.org/10.3390/w1512227	Q2
11	Simona Cecilia Ghiga, Isabela Maria Simion, Catalina Filote, Mihaela Rosca, Raluca Maria Hihior, Maria Gavrilescu	Universitatea Tehnica "Gheorghe Asachi" din Iasi Universitatea de Stiinta ale Vietii "Ion Ionescu de la Brad" Iasi	Comparative analysis of three WEEE management scenarios based on LCA methodology: Case Study in the municipality of Iasi, Romania	articol	Processes	2227-9717	Nr. 5, vol. 11	2023	16	3,5	10.3390/pr11010080	Q2
12	Toader G., Pulpea D., Diacon A., Rusen E., Ginghina R.E., Rotariu T., Podaru A.I., Moldovan A.E., Gavrilescu Maria, Gavrița A.M., Trica B.	Academia Tehnica Militara "Ferdinand I" Bucuresti Universitatea Politehnica Bucuresti Centrul de Cercetare si Inovare pentru Aparare CBRN si Ecologie Bucuresti Institutul National de Cercetare-Dezvoltare in Chimie si Petrochimie ICECHIM, Bucuresti, Universitatea Tehnica "Gheorghe Asachi" din Iasi	Comparative study on the decontamination efficacy of peelable coatings for heavy metals removal	articol	Water	2073-4441	Nr. 5, Vol. 15	2023	19	3,4	10.3390/w15050982	Q2
13	Muslim Hasan Allawi, Riyadh Sadeq AlMukhtar, Shurooq Talib Al-Humairi, Ali Dawood Salman/Iraq, Hungary, Tatjana Juzsakova, Viktor Sebestyén/Hungary, Igor Cretescu/TUJIASI	Sadeq AlMukhtar, Shurooq Talib Al-Humairi/Iraq, Ali Dawood Salman/Iraq, Hungary, Tatjana Juzsakova, Viktor Sebestyén/Hungary, Igor Cretescu/TUJIASI	Degradation of diisopropyl methylphosphonate in aqueous solutions by ultrasonic irradiation combined with oxidation process	articol	Chemistry Journal of Moldova	1857-1727	18(2)	2023	28-34	0,189	http://doi.org/10.19261/cjm.2023.1019	Q4
14	Bărjoveanu G., Gadaleta G., Santomasi G., De Gisi S*, Notarnicola M., Teodosiu C*	Bărjoveanu G., Teodosiu C*/ TUJIASI; Gadaleta G., Santomasi G., De Gisi S*, Notarnicola M./ Politecnico di Bari, Italy	Does PET trays sorting affect the sustainability of plastic waste? An LCA and cost-revenue approach.	articol	Science of the Total Environment	1879-1026	vol. 897C, 165222	2023		9,8	https://doi.org/10.1016/j.scitotenv.2023.165222	Q1
15	A.A. Ciobanu, D. Bulgariu, I.A. Ionescu, D.M. Puiu, G.G. Vasile, Laura Bulgariu	Laura Bulgariu / TUJIASI; D. Bulgariu/UAIC, Ionescu, Puiu, Vasile/ECONIND Bucuresti	Evaluation of Thermodynamic Parameters for Cu(II) Ions Biosorption on Algae Biomass and Derived Biochars	Articol	Symmetry	2073-8994	15	2023	1500	2,7	doi.org/10.3390/sym15081500	Q2
16	Marcos Nicolae, Toma Daniel, Boboc Valentin; Hránciuc Tomi Alexandrel, Balan Cătălin Dumitrel / TUJIASI	Marcos Nicolae, Toma Daniel, Boboc Valentin; Hránciuc Tomi Alexandrel, Balan Cătălin Dumitrel / TUJIASI	Hydroinformatic tools used to quantify the impact of urban expansion on water bodies, in the context of the intensification of extreme phenomena (Bacău urbanization case study)	Articol	IOP Conference Series: Earth and Environmental Science	1755-1307	Volume 1136 Issue 1	2023	1136	0,42	10.1088/1755-1315/1136/1/012015	Q4
17	Tofan Lavinia	Tofan Lavinia / TUJIASI	Insights into the applications of natural fibers to metal separation from aqueous solutions	Review	Polymers	2073-4360	15(9)	2023	2178	5	DOI:10.3390/polym15092178	Q1
18	Ionela Catalina Vasilachi-Mitoseru, Vasile Stoleru, Maria Gavrilescu	Universitatea Tehnica "Gheorghe Asachi" din Iasi Universitatea de Stiinta ale Vietii "Ion Ionescu de la Brad" Iasi	Integrated assessment of Pb(II) and Cu(II) metal ion phytotoxicity on Medicago sativa L., Triticum aestivum L., and Zea mays L. plants: insights into germination inhibition, seedling development, and ecosystem health	articol	Plants-Basel	2223-7747	Nr. 21, vol. 12	2023	26	4,5	10.3390/plants12213754	Q1
19	Adrian Cătălin Puitel, Cătălin Dumitrel Balan, Gabriela-Liliana Aliliese, Elena Niculina Drăgoi, Mircea Teodor Nechita	Puitel, Balan, Drăgoi, Nechita / TUJIASI; Aliliese/P. Poni,	Integrated Hemicellulose Extraction and Papermaking Fiber Production from Agro-Waste Biomass	Articol	Polymers	2073-4360	Volume 15 Issue 33	2023	4597	5	https://doi.org/10.3390/polym15234597	Q1-JIF 2023
20	Stan L., Volf I*, Stan C.S*, Albu C., Coroba A., Ursu L.E., Popa M.,	Stan L., Volf I*, Stan C.S., Albu C., Coroba A., Ursu/CMPP, Pona/TUJIASI	Intense Blue Photo Emissive Carbon Dots Prepared through Pyrolytic Processing of Lignocellulosic Wastes	articol	Nanomaterials	ISSN: 2079-4991	13 (1)	2023	131	5,719	https://doi.org/10.3390/nano13010131	Q1
21	D.Bulgariu, L. (Negriță), Nemes, I. Ahmad, Laura Bulgariu	Laura Bulgariu / TUJIASI; D. Bulgariu/UAIC, Ahmad/COMSATS Univ Islamabad, Pakistan	Isotherm and Kinetic Study of Metal Ions Sorption on Mustard Waste Biomass Functionalized with Polymeric Thiocarbamate	Articol	Polymers	2073-4360	15	2023	2301	5	doi.org/10.3390/polym15102301	Q1
22	Bărjoveanu G., Teodosiu C*, Morosanu I., Ciobanu R., Bucatariu F., Mihai M.	Bărjoveanu G., Teodosiu C*, Morosanu I., Ciobanu R./TUJIASI; Bucatariu F., Mihai M./ "Petru Poni" Institute of Macromolecular Chemistry,Iasi, Romania	Life Cycle Assessment as Support Tool for Development of Novel Polyelectrolyte Materials Used for Wastewater Treatment	articol	Nanomaterials	2079-4991	13(5), 840	2023		5,3	https://doi.org/10.3390/nano13050840	Q1
23	Hihior R.M., Cozma P.	Cozma P / TUJIASI; Hihior R.M./USV Iasi	Microbial Bioremediation of Environmental Pollution	Editorial	Processes	eISSN: 2227-9717	11(5)	2023	5 pagini online	3,5	https://doi.org/10.3390/pr11051543	Q2
24	Ciuperca O.T., Ionescu E., Secula M.S., Volf I.	Ciuperca, Ionescu / Plantavorel, Secuda/TUJIASI, Volf /TUJIASI	Microwave-Assisted Extraction of Condensed Tannins from Branches of Prunus spinosa L.: Response Surface Methodology and Optimization	articol	Processes	ISSN: 2227-9717	11	2023	2024	3,5	https://doi.org/10.3390/pr11072024	Q2
25	H.B. Ortiz-Oliveros, N. Querfeldt, O. Cruz-Gonzalez, P. Avila-Perez, Laura Bulgariu, M.H. Fláñez, F.M. Abouzeid	Laura Bulgariu / TUJIASI; Ortiz-Oliveros, Querfeldt, Cruz-Gonzalez, Avila-Perez, Abouzeid/Natl Inst Nucl Res, Mexico	Modeling of the relationship between the thermodynamic parameters ΔH° and ΔS° with temperature in the removal of Pb ions in aqueous medium: Case study	Articol	Chemical Physics Letters	0009-2614	814	2023	140329	2,8	doi.org/10.1016/j.cpl.2023.140329	Q2
26	Hihior R.-M., Rosca M., Dragoi E.N., Simion I.M., Favier L., Gavrilescu Maria	Universitatea Tehnica "Gheorghe Asachi" din Iasi Universitatea de Stiinta ale Vietii "Ion Ionescu de la Brad" Iasi Institute of Chemical Science of Rennes, France	New Insights into the application of fungal biomass for chromium(VI) bioremoval from aqueous solutions using Design of Experiments and Differential Evolution based neural network approaches	articol	Chemical Engineering and Processing	0255-2701	vol. 190	2023	233-254	3,9	10.1016/j.cherd.2022.12.024	Q2
27	Tatjana Juzsakova, Ali Dawood Salman, Thamer Adnan Abdullah, Rashed Taleb Rasheed, Balázs Zsírka, Rasha R. Al Shaikhly, Brindusa Sluser, Igor Cretescu,	Brindusa Sluser, Igor Cretescu / TUJIASI; Juzsakova, Zsirka /University of Pannonia, Hungary, Salman/Basra University for Oil and Gas Iraq, Abdullah, Rasheed/University of Technology Iraq, Al-Shaikhly/Faculty of Health and Medical Technology Iraq	New Low-Cost Composite Silica Based with Application in Organic Dye Removal from Water	Articol	Materials	1996-1944	16(4), 1618	2023	23	3,40	10.3390/ma16041618	Q3

28	Ciotonea C., Wei Y., Ungureanu A., Catrinescu C., Gardol O., Mamede A.-S., Dumeignil F., Paul S., Jalowiecki-Duhamel L., Royer S.	Ungureanu A., Catrinescu C./TUIASI, Ciotonea C., Wei Y., Gardol O., Mamede A.-S., Dumeignil F., Paul S., Jalowiecki-Duhamel L., Royer S. / Univ. Lille, Unité de Catalyse et Chimie du Solide, Lille, France	Ni(O) Ex-Phyllosilicates as Efficient and Stable Low Temperature CH4 Dry Reforming Catalyst	Article	ChemCatChem	18673880	15 (14)	2023	13	4,5	10.1002/cctc.202300245	Q1	
29	Adrian Cătălin Puțel, Gabriel Dan Suditu, Elena Niculina Drăgoi, Maricel Danu, Gabriela-Liliana Alilesei, Cădălin Dumitrel Balan, Daniela-Lucia Chicet, Mircea Teodor Nechita	Puțel, Suditu, Drăgoi, Danu, Balan, Chicet, Nechita/ TUIASI; Alilesei/P. Poni.	Optimization of Alkaline Extraction of Xylan-Based Hemicelluloses from Wheat Straws: Effects of Microwave, Ultrasound, and Freeze-Thaw Cycles	Article	Polymers	2073-4360	Volume 15 Issue 4	2023	1038	5	https://doi.org/10.3390/polym15041038	Q1-IF 2023	
30	Morosanu I., Bucatararu F., Fighir D., Paduraru C., Mihai M.*, Teodosiu C.*	Morosanu I., Fighir D., Paduraru C., Teodosiu C.*/ TUIASI; Bucatararu F., Mihai M.*/ "Petru Poni" Institute of Macromolecular Chemistry, Iasi, Romania	Optimization of Lead and Diclofenac Removal from Aqueous Media Using a Composite Sorbent of Silica Core and Polyelectrolyte Coacervate Shell,	article	Polymers	2073-4360	15(8), 1948	2023		5	https://doi.org/10.3390/polym15081948	Q1	
31	Alexandra Bodoga, Andreea Nistorac, Alin Dragomir, Eugen Constantin Alilesei, Arina Seul, Mariana Diaconu, Catalin Dumitrel Balan, Maria Carmen Loghin	Alexandra Bodoga, Andreea Nistorac, Alin Dragomir, Eugen Constantin Alilesei, Arina Seul, Mariana Diaconu, Catalin Dumitrel Balan, Maria Carmen Loghin/ TUIASI.	Ozone-Vacuum-Based Decontamination: Balancing Environmental Responsibility and Textile Waste	Article	Sustainability	2071-1050	Volume 15 Issue 22	2023	16068	3,9	https://doi.org/10.3390/su15216068	JCR - Q2	
32	Gavrilescu D., Bărbăveanu G., Apopel P., Gherghel A., Teodosiu C.*	Gavrilescu D., Bărbăveanu G., Apopel P., Gherghel A., Teodosiu C.*/ TUIASI	Preliminary performance evaluation for chicken manure treatment and valorization options	article	Environmental Engineering and Management Journal	1582-9596	Vol. 22, No. 9,	2023	1535-1545	1,1	http://doi.org/10.33063/eemj.2023.129	Q4	
33	Tatjana Juzsakova, Ali Dawood Salman, Thamer Adnan Abdullah, Rashed Taleb Rasheed/Iraq, Balázs Zsírka/Hungary, Rasha R Al-Shaikhy/Iraq, Brindusa Sluser, Igor Cretescu/TUIASI	Tatjana Juzsakova/Hungary, Ali Dawood Salman, Thamer Adnan Abdullah, Rashed Taleb Rasheed/Iraq, Balázs Zsírka/Hungary, Rasha R Al-Shaikhy/Iraq, Brindusa Sluser, Igor Cretescu/TUIASI	Removal of Methylene Blue from Aqueous Solution by Mixture of Reused Silica Gel Desiccant and Natural Sand or Eggshell Waste	article	Materials	1996-1944	16(4)	2023	1-23	3,74	https://doi.org/10.3390/ma16041818	Q1	
34	Tofan Lavinia, Suteu Daniela	Tofan Lavinia, Suteu Daniela/ TUIASI	Renewable resource biosorbents for pollutant removal from aqueous effluents in column mode	Review	Separations	2297-8793	10(2)	2023	143	2,6	DOI:10.3390/separations10020143	Q3	
35	Mariana Minut, Mariana Diaconu, Mihaela Roșca, Petronela Cozma, Laura Buleaștu, Maria Gavrilescu	Universitatea Tehnică "Gheorghe Asachi" din Iasi	Screening of Azotobacter, Bacillus and Pseudomonas Species as Plant Growth-Promoting Bacteria	article	Processes	2227-9717	Nr. 1, vol. 11	2023	19	3,5		Q2	
36	Ghiga S.C., Simion I.M., Filote C., Rosca M., Hihor R.M., Cozma P., Gavrilescu M.	Ghiga S.C., Filote C., Cozma P., Gavrilescu M./ TUIASI; Simion I.M., Rosca M., Hihor R.-M. /USV Iasi	Sources, composition and management strategies of waste electrical and electronic equipment: a review	Review	Environmental Engineering and Management Journal	ISSN: 1582-9596, eISSN: 1843-3707	22(3)	2023	509-526	1,1	http://doi.org/10.33063/eemj.2023.040	Q4	
37	Mariana Diaconu, Gabriela Soreanu, Catalin Dumitrel Balan, Ingrid Ioana Buciscanu, Vasilica Maier, Igor Cretescu/TUIASI	Mariana Diaconu, Gabriela Soreanu, Catalin Dumitrel Balan, Ingrid Ioana Buciscanu, Vasilica Maier, Igor Cretescu/TUIASI	Study of Spirulina platensis (Arthrospira) Development under the Heavy Metals Influence, as a Potential Promoter of Wastewater Remediation	article	Water	2073-4441	15(22)	2023	1-18	3,4	https://doi.org/10.3390/w15223962	Q2	
38	Gavrilescu D., Seto B.C., Teodosiu C.*	Gavrilescu D., Seto B.C., Teodosiu C.*/ TUIASI	Sustainability Analysis of Packaging Waste Management Systems: A Case Study in the Romanian Context	article	Journal of Cleaner Production	1879-1786	vol.422, 138578	2023	1-13	11,1	https://doi.org/10.1016/j.jclepro.2023.138578	Q1	
39	Vasilica Popescu, Alexandra Cristina Blaga, Dan Cașcaval, Andrei Popescu	TUIASI	Beta vulgaris L.—A Source with a Great Potential in the Extraction of Natural Dyes Intended for the Sustainable Dyeing of Wool	article	Plants-Basel	2223-7747	12(10), 1933	2023	19	4,5	10.3390/plants12101933	Q1	
40	D Turcov, A Zbranca-Toporas, D Suteu	TUIASI si Zbranca/UMF	Bioactive Compounds for Combating Oxidative Stress in Dermatology	review	Int. J. Mol. Sci.	1422-0067		24	2023	17517	5,6	10.3390/jms242417517	Q1
41	Ramona-Elena Tataru-Farmus , Ramona Cimpoesu, Iulia Nica, Daniela Suteu	TUIASI	Biosorbent Based on Poly(vinyl alcohol)-Tricarboxyl-Cellulose Designed to Retain Organic Dyes from Aqueous Media	article	Polymers	2073-4360	15	2023	715		10.3390/polym15030715	Q1	
42	Madalina Postaru, Alexandra Tucaliuc, Dan Cascaval, Anca Irina Galaction	Postaru / UMF, Galaction/UMF	Cellular Stress Impact on Yeast Activity in Biotechnological Processes-A Short Overview	Review		2076-2607	11 (10)	2023	15	4,5	10.3390/microorganisms11102522		
43	Carmen Zaharia, Daniela Suteu	TUIASI	Empirical Modeling by Active Central Composite Rotatable Design: Orange 16 Dye Biosorption onto Biosorbents Based on Residual Bacterial Lactobacillus sp. Biomass	article	Separation	2297-8739	10(5)	2023	279	2,6	10.3390/separations10050279	Q3	
44	Harja M., Căftanachi M., Fanache (Vasilii) M., Ciobanu G.	Harja M./TUIASI, Căftanachi M./TUIASI, Fanache (Vasilii) M./TUIASI, Ciobanu G./TUIASI	Fly ash waste for obtaining building materials with improved durability	article	Scientific Study & Research - Chemistry & Chemical Engineering, Biotechnology, Food Industry	1582-540X	24 (1)	2023	49-60	0,3	WOS-000967581800005	Q4	
45	Alexandra Cristina Blaga, Elena Niculina Dragoi, Alexandra Tucaliuc, Lenuta Kloetzer, Dan Cascaval	TUIASI	Folic Acid Ionic-Liquids-Based Separation: Extraction and Modelling	article	Molecules	1420-3049	28(8):3339	2023	13	4,6	10.3390/molecules28083339	Q2	
46	Lacramioara Rusu , Elena-Mirabela Suceavanu , Alexandra-Cristina Blaga, Florin Marian Nedeff, Daniela Suteu	LR/U Bacau; EMS/U Bacau;ACB/TUIASI; FMN/U Bacau; DS/TUIASI	Insights into Recent Advances of Biomaterials Based on Microbial Biomass and Natural Polymers for Sustainable Removal of Pharmaceuticals Residues	review	Polymers	2073-4360	15	2023	2923	5	10.3390/polym15132923	Q1	
47	M. Sălariu, A.M. Mocanu	Salariu/Colegiul Tehnic I.Holban	Obtaining of transdermal patches by natural active principles	article	Revue Roumaine de Chimie	0035-3930	68(10-12)	2023	533-540	0,41	DOI: 10.33224/rch.2023.68.10-12.05	Q4	
48	G M Daraban, R-M Hihor, Da Suteu	TUIASI si Hihor/USAMV	Pesticides vs. Biopesticides: From Pest Management to Toxicity and Impacts on the Environment and Human Health	review	Toxics	2305-6304	11(12)	2023	983	4,6	doi.org/10.3390/toxics11120983	Q2	
49	A S Barna , C Maxim , A Trifan , A C Blaga , R Cimpoesu , D Suteu Delia Turcov I and Daniela Suteu 1,*	TUIASI si Trifan/UMF	Preliminary Approaches to Cosmeceuticals Emulsions Based on N-ProlylPalmitoyl Tripeptide-56 Acetate-Bakuchiol Complex Intended to Combat Skin Oxidative Stress	article	Int. J. Mol. Sci.	1422-0067	24	2023	7004	5,6	10.3390/jms24087004	Q1	
50	Alexandra Cristina Blaga, Diana Georgiana Gal, Alexandra Tucaliuc, Lenuta Kloetzer, Alexandra Cristina Blaga, Dan Cașcaval, Anca Irina Galaction	TUIASI	Recent Advances in Muconic Acid Extraction Process	review	Applied Sciences-Basel	2076-3417	13(21), 11691	2023	15	2,7	10.3390/app132111691	Q2	
51	Alexandra Cristina Blaga, Elena Niculina Dragoi, Diana Georgiana Gal, Adrian Catalin Puțel, Alexandra Tucaliuc, Lenuta Kloetzer, Dan Cascaval, Anca Irina Galaction	Galaction/UMF	Selective pertraction of dicarboxylic acids from simulated Rhizopus oryzae fermentation broths	article	Scientific Reports	2045-2322	13, 7170	2023	12	4,6	10.1038/s41598-023-34100-3	Q2	
52	Alexandra Cristina Blaga, Elena Niculina Dragoi, Diana Georgiana Gal, Adrian Catalin Puțel, Alexandra Tucaliuc, Lenuta Kloetzer, Dan Cascaval, Anca Irina Galaction	Galaction/UMF	Selective separation of vitamin C by reactive extraction using ionic liquid: Experimental and modelling	article	Journal of Industrial and Engineering Chemistry	1876-794X	in press	2023	12	6,1	10.1016/j.jiec.2023.11.057	Q1	
53	R Brânzan, I Tărăboanță, S Andrian, S Stoleriu, A S Barna, A Georgescu, A M Tănăsă, A C Ghiorghie	Brânzan/UMF Tărăboanță/UMF, Andrian/UMF, Stoleriu/UMF, Georgescu/UMF, Tănăsă/UMF, Ghiorghie/UMF	THE IMPACT OF STAINING BEVERAGES ON COLOR STABILITY OF DIFFERENT RESIN-BASED MATERIALS	ARTICOL	International Journal of Medical Dentistry	2066-6063	Volume 27 Issue 2	2023	217-225	0,529			
54	Alexandra Mariana Tanăsa, Adrian Catalin Puțel, Ramona Elena Tataru-Farmus, Daniela Suteu	TUIASI	Vegetable lignocellulosic wastes used as biosorbent for removal of Cu(II) from aqueous media	article	Desalination and Water Treatment	1944-3986	293	2023	216-223	1,25	10.5004/dwt.2023.29552	Q3	
55	Nechita MT, Suditu GD, Puțel AC, Drăgoi EN	Nechita/TUIASI, Suditu/TUIASI, Puțel/TUIASI, Drăgoi/TUIASI	Residence Time Distribution: Literature Survey, Functions, Mathematical Modeling, and Case Study—Diagnosis for a Photochemical Reactor	Article	Processes	2227-9717	11(2)	13.12.2023	3420	3,5	https://doi.org/10.3390/pr11123420	Q2	
56	Vassehghian Y, Alimohamadi M, Dragoi EN, Sonne C	Vassehghian/LAU, Alimohamadi/UT, Dragoi/TUIASI, Sonne/AU	A global meta-analysis of phthalate esters in drinking water sources and associated health risks	Article	Science of The Total Environment	0048-9697	903	2023	166846	9,8	10.1016/j.scitotenv.2023.166846	Q1	
57	Sithole T, Nsoke I, Mashifana T, Falayi T, Dragoi EN, Malenga E	Sithole/UJ, Nsoke/UJ, Mashifana T, Falayi/UJ, Dragoi/TUIASI, Malenga/UJ	Neural network optimization during the purification of industrial effluents using steel slag: kinetics and mechanism	Article	Environmental Technology and Innovation	2352-1864	30	2023	103118	7,1	10.1016/j.eti.2023.103118	Q1	
58	Wu T, Karimi-Maleh H, Dragoi EN, Puri P, Zhang DX, Zhang ZX	Wu/JEST, Karimi-Maleh/HUEST, Dragoi/TUIASI, Puri/UCU, Zhang DX/JEST, Zhang ZX/JEST	Traditional methods and biosensors for detecting disinfection by-products in water: A review	Review	Environmental Research	0013-9351	237 (1)	2023	116935	8,3	10.1016/j.envres.2023.116935	Q1	
59	Suditu GD, Dragoi EN, Puțel AC, Nechita MT	Suditu/TUIASI, Drăgoi/TUIASI, Puțel/TUIASI, Nechita/TUIASI	Technological and Economic Optimization of Wheat Straw Black Liquor Decolorization by Activated Carbon	Article	Water	2073-4441	15(16)	2023	2911	3,4	10.3390/w15162911	Q2	
60	Hamidian Y, Mostafazadeh R, Erk N, Karaman C, Camarada MB, Dragoi EN	Hamidian/AU, Mostafazadeh/AU, Erk/AU, Karaman/AU, Camarada/PUC, Dragoi/TUIASI	Green and accurate analytical method for monitoring atropine in foodstuffs as a contaminant and in pharmaceutical samples	Review	Journal of Food Measurement and characterization	2193-4126	17(5)	2023	4870-4880	3,4	10.1007/s11694-023-01972-y	Q2	

61	Wu Y, Tiri RNE, Bekmezci M, Altuner EE, Aygun A, Mei CT, Yuan Y, Xia CL, Dragoi EN, Sen F	Wu/NFU, Tiri/DR, Bekmezci/DR, Altuner/DR, Aygun/DR, Mei/NFU, Yuan/SUST, Xia/NFU, Dragoi/TUIASI, Sen/DR	Synthesis of novel activated carbon-supported trimetallic Pt-Ru-Ni nanoparticles using wood chips as efficient catalysts for the hydrogen generation from NaBH ₄ and enhanced photodegradation on methylene blue	Article	International Journal of Hydrogen Energy	0360-3199	48(55)	2023	21055-21065	7,2	10.1016/j.ijhydene.2022.07.152	Q1
62	Xing T, Wu YJ, Wang QL, Sadriana A, Behmaneshfar A, Dragoi, EN	Xing/NFU, Wu/NFU, Wang/NFU, Sadriana/QUT, Behmaneshfar/AU, Dragoi/TUIASI	Adsorption of ibuprofen using waste coffee derived carbon architecture: Experimental, kinetic modeling, statistical and bio-inspired optimization	Article	Environmental Research	0013-9351	231(3)	2023	116223	8,3	10.1016/j.envres.2023.116223	Q1
63	Ghalkhani M, Teymourinia H, Ebrahimi F, Irannejad N, Karimi-Maleh H, Karaman C, Karimi F, Dragoi EN, Lichtfouse E, Singh J	Ghalkhani/SRTU, Teymourinia/UZ, Ebrahimi/ROST, Irannejad/IST, Karimi-Maleh/UEST, Karaman/AU, Karim/SRTU, Dragoi/TUIASI, Lichtfouse/XAITU, Singh/CU	Engineering and application of polysaccharides and protein-based nanobiocatalysts in the recovery of toxic metals, phosphorous, and ammonia from wastewater: A review	Article	International Journal of Biological Molecules	0141-8130	242(1)	2023	124585	8,2	10.1016/j.ijbiomac.2023.124585	Q1
64	Dragoi EN, Cărlescu I, Puș R, Vasiliu T, Epure EL	Dragoi/TUIASI, Cărlescu/TUIASI, Puș/PPONI, Vasiliu/PPONI, Epure/TUIASI	Neuro-Evolutionary Modeling of Transition Temperatures for Five-Ring Bent-Core Molecules Derived from Resorcinol	Article	Crystals	2073-4352	13(4)	2023	583	2,7	10.3390/cryst13040583	Q2
65	Genç AE, Akca A, Karaman C, Camarada MB, Dragoi, EN	Genç/GU, Akca/AU, Karaman/AU, Camarada/PUCR, Dragoi/TUIASI	Ammonia free catalytic reduction of nitric oxide on Ni-embedded graphene nanostructure: A density functional theory investigation	Article	Molecular Catalysts	2468-8231	541	2023	113119	4,6	10.1016/j.mcat.2023.113119	Q2
66	Karimi-Maleh H, Orooji Y, Karimi F, Karaman C, Vasseghian Y, Dragoi EN, Karaman O	Karimi-Maleh/UEST, Orooji/ZNU, Karim/QUT, Karaman/AU, Vasseghian/SU, Dragoi/TUIASI, Karaman/AU	Integrated approaches for waste to biohydrogen using nanobiomediated towards low carbon bioeconomy	Review	Advanced Composites and Hybrid Materials	2522-0128	6	2023	29	20,1	10.1007/s42114-022-00597-x	Q1
67	Li S, Wu Y, Dao MU, Dragoi EN, Xia C	Li/NFU, Wu/NFU, Dao/DTU, Dragoi/TUIASI, Xia/DTU	Spotlighting of the role of catalysis for biomass conversion to green fuels towards a sustainable environment: Latest innovation avenues, insights, challenges, and future perspectives	Review	Chemosphere	0045-6535	318	2023	137954	8,8	10.1016/j.chemosphere.2023.137954	Q1
68	Raza S, Ghasali E, Orooji Y, Lin H, Karaman C, Dragoi EN, Erk N	Raza/ZNU, Ghasali/ZNU, Orooji/ZNU, Lin/ZNU, Karaman/AU, Dragoi/TUIASI, Erk N	Two dimensional (2D) materials and biomaterials for water desalination; structure, properties, and recent advances	Review	Environmental Research	0013-9351	219	2023	114998	8,3	doi.org/10.1016/j.envres.2022.114998	Q1
69	Ameen A, Aygun A, Seyranchaya A, Tiri RNE, Gulbagca F, Kaynak I, Majrashi N, Orfalli R, Dragoi EN, Sen F	Ameen/KSU, Aygun/DR, Seyranchaya/DEU, Tiri/DR, Gulbagca/DR, Kaynak/UAU, Majrashi/KSU, Orfalli/KSU, Dragoi/TUIASI, Sen/DR	Photocatalytic investigation of textile dyes and E. coli bacteria from wastewater using Fe ₃ O ₄ @MnO ₂ heterojunction and investigation for hydrogen generation on NaBH ₄ hydrolysis	Article	Environmental Research	0013-9351	220	2023	115231	8,3	doi.org/10.1016/j.envres.2023.115231	Q1
70	Favier, L., Simon A.I., Hihior M.N., Fekete Kertesz I., Molnar M., Harja M., Vial C., France	Favier, L./Rennes, Simon A.I./UB, Hihior M.N./USV, Fekete Kertesz I./Hungary, Molnar M./Hungary, Harja M./TUIASI, Vial C./France	Intensification of the photodegradation efficiency of a hardly removed emergent water pollutant through response surface methodology optimization of process conditions	Article	Journal of Environmental Management	0301-4297	328(2)	2023	116928	8,7	https://doi.org/10.1016/j.jenvman.2022.116928	Q1
71	Apostolescu N., Tataru Farmus R. E., Harja M. F., Vizitiu M. A., Cernatescu C., Cobzaru C., Apostolescu G. A.,	Apostolescu N./TUIASI, Tataru Farmus R. E./TUIASI, Harja M. F./TUIASI, Vizitiu M. A./TUIASI, Cernatescu C./TUIASI, Cobzaru C./TUIASI, Apostolescu G. A./TUIASI,	Photocatalytic removal of antibiotics from wastewater using the CeO ₂ /ZnO heterocatalyzers	Article	Materials	1996-1944	16(2)	2023	850	3,4	https://doi.org/10.3390/ma16020850	Q2
72	Harja M., Ciocinta, R.C.; Ondrasek, G.; Bucur, D.; Dirja, M.	Harja, M./TUIASI, Ciocinta, R.C./DGDP, Ondrasek, G./Sloavac, Bucur, D./USV, Dirja, M./USV	Accumulation of Heavy Metal Ions from Urban Soil in Spontaneous Flora	Article	Water	2073-4441	15(4)	2023	768	3,4	https://doi.org/10.3390/w15040768	Q2
73	Vasiliu L., Gencel O. *, Damian I., Harja M. *	Vasiliu L./TUIASI, Gencel O./Bartin Univ., Damian I./TUIASI, Harja M./TUIASI	Capitalization of tires waste as derived fuel for sustainable cement production	Article	Sustainable Energy Technologies and Assessments	2213-1396	53	2023	103104	8	https://doi.org/10.1016/j.seta.2023.103104	Q1
74	Epure, C.; Munteanu, C.; Istrate, B.; Harja, M.; Bulum, F.	Epure, C./TUIASI, Munteanu, C./TUIASI, Istrate, B./TUIASI, Harja, M./TUIASI, Bulum, F./TUIASI	Applications of Recycled and Crushed Glass (RCG) as a Substitute for Natural Materials in Various Fields—A Review	Review	Materials	1996-1944	16(17)	2023	5957	3,4	https://doi.org/10.3390/ma16175957	Q2
75	Hekimoglu, G; Sari, A.; Gencel, O; Onal, Y; Ustaoglu, A; Erdogmus, E; Harja, M; Tyagi, VV	Hekimoglu, G/Turkey, Sari, A./Turkey, Gencel, O/Turkey, Onal, Y/Turkey, Ustaoglu, A/Turkey, Erdogmus, E/Turkey, Harja, M/TUIASI, Tyagi, VV/India	Thermal Energy Storage Performance Evaluation of Bio-based Phase Change Material/Apricot Kernel Shell derived Activated Carbon in Lightweight Mortar	Article	Journal of Energy Storage	2352-152X	73	2023	109122	9,4	https://doi.org/10.1016/j.est.2023.109122	Q1
76	Birgăuanu L, Lisa C, Leon F, Curteanu S, Lisa G	Birgăuanu Lisa, Leon, Curteanu, Lisa/TUIASI	Modeling of excess molar volume for binary and ternary mixtures of benzyl alcohol, n-hexanol and water	Article	ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL	1582-9596	(12), 22	2023		1,1		Q4
77	Creteanu A, Lisa G, Vasile C, Popescu M-C, Spac AF, Tantarau G	Creteanu/UMF, Lisa/TUIASI, Vasile, Popescu/ICMP, Spac, Tantarau/JUMF	Development of Solid Lipid Nanoparticles for Controlled Amiodarone Delivery	Article	Methods and Protocols	2409-9279	(5), 6	2023	97	2,4	10.3390/mps605097	Q3
78	Vlad-Bubulac T, Hamciuc, C, Serbezeanu D, Macsim AM, Lisa G, Anghel I, Preda, DM, Kalvachev Y, Rimbu CM	Vlad-Bubulac, Hamciuc, Serbezeanu, Macsim/ICMP, Lisa/TUIASI, Anghel, Preda/Academia de Politie AI Cuza, Fac.Pompieri Buc., Kalvachev/Bulgarian Acad Sci, Rimbu/USAMV	Simultaneous Enhancement of Flame Resistance and Antimicrobial Activity in Epoxy Nanocomposites Containing Phosphorus and Silver-Based Additives	Article	Molecules	1420-3049	(15)28	2023	5650	4,6	10.3390/molecules28155650	Q2
79	Serbezeanu D, Hamciuc C, Vlad-Bubulac T, Ipate AM, Lisa G, Turcan I, Olariu MA, Anghel I, Preda DM	Serbezeanu, Hamciuc, Vlad-Bubulac, Ipate AM/ICMP, Lisa, Turcan, Olariu/TUIASI, Anghel, Preda/Academia de Politie AI Cuza, Fac.Pompieri Buc.	Flame-Resistant Poly(vinyl alcohol) Composites with Improved Ionic Conductivity	Article	Membranes	2077-0375	(7) 13	2023	636	4,2	10.3390/membranes13070636	Q2
80	Vlad-Bubulac T, Hamciuc C, Serbezeanu D, Suflet DM, Rusu D, Lisa G, Anghel I, Preda DM, Todorova T, Rimbu CM	Vlad-Bubulac, Hamciuc, Serbezeanu, Suflet I, Rusu D/ICMP, Lisa/TUIASI, Anghel, Preda/Academia de Politie AI Cuza, Fac.Pompieri Buc.Todorova/Bulgarian Acad Sci, Rimbu/USAMV	Organophosphorus Reinforced Poly(vinyl alcohol) Nanocomposites Doped with Silver-Loaded Zeolite L Nanoparticles as Sustainable Materials for Packaging Applications	Article	Polymers	2073-4360	(11) 15	2023	2573	5		Q1
81	Mihis AG, Cotet LC, Cadar C, Pop LC, Todea M, Rusu MM, Vulpoi A, Székely I, Salagean CA, Magyari K, Muresan-Pop M, Cadar O, Baisa M, Sofran IE, Lisa G, Anghel I, Balbarac M, Danciu V, Baisa I	Mihis, Cotet, Cadar C, Pop, Todea/USV, Vulpoi A, Székely I, Salagean CA, Magyari K, Muresan-Pop M, Cadar O, Baisa M, Sofran IE, Lisa G, Anghel I, Balbarac/Mat Inst Mat Phys, Balbarac/Natl Inst Mat Phys, Danciu, Baisa/UBB	Structural and flame retardancy properties of GO-DOPO-HAX composite	Article	Journal of Materials Science	0022-2461	(16) 58	2023	7025-7047	4,5	10.1007/s10853-023-08456-w	Q2
82	Ichim M, Filip I, Stelea L, Lisa G, Muresan EI	Ichim/TUIASI, Filip, Stelea/ Taparo Co SA, Lisa, Muresan/TUIASI	Recycling of Nonwoven Waste Resulting from the Manufacturing Process of Hemp Fiber-Reinforced Recycled Polypropylene Composites for Uplholstered Furniture Products	Article	Sustainability	2071-1050	(4) 15	2023	3635	3,9	10.3390/su15043635	Q2
83	Barzic AJ, Sava I, Albu RM, Ursu C, Lisa G, Stoica I	Barzic, Sava, Albu, Ursu/ICMPP, Lisa/TUIASI, Stoica/ICMPP	Polyimide-Derived Supramolecular Systems Containing Various Amounts of Azochromophore for Optical Storage Uses	Article	Polymers	2073-4360	(4) 15	2023	1056	5	10.3390/polym15041056	Q1
84	Asandulesa M, Hamciuc C, Pui A, Virlan C, Lisa G, Barzic AI, Oprisan B	Asandulesa, Hamciuc/ICMPP, Pui, Virlan/UANC Lisa/TUIASI, Barzic/ICMPP, Oprisan/JUMF	Cobalt Ferrite/Polyetherimide Composites as Thermally Stable Materials for Electromagnetic Interference Shielding Uses	Article	International Journal of Molecular Sciences	1422-0067	(2) 24	2023	999	5,6	10.3390/ijms24020999	Q1
85	Gutsanu, V., Petuhov, D., Ipate, AM., Lisa, S, Botnaru M.	Gutsanu, Petuhov / Moldova State University, Ipate/ICMPP, Lisa/TUIASI, Botnaru/Moldova State University	Metal/Carbon Composites: Precursors for Obtaining New Sorbents-Catalysts	Article	Colloid Journal	1061-933X	(6) 85	2023		1,1	10.1134/S1061933X23600537	Q4
86	Hamciuc C, Vlad-Bubulac T, Serbezeanu D, Lisa G, Anghel I, Preda DM	Hamciuc, Vlad-Bubulac, Serbezeanu/ICMPP, Lisa/TUIASI, Anghel, Preda DM/Academia de Politie AI Cuza, Fac.Pompieri Buc.	Eco-friendly flame retardant epoxy nanocomposites based on polyphosphonate and halloysite nanotubes	Article	Journal of Vinyl and Additive Technology	1083-5601	(1) 29	2023	29-40	4,2	10.1002/vnlv.21914	Q2
87	Anton N, Doroftei B, Curteanu S, Lisa C, Ilie OD, Tarcoveanu F, Bogdaniciu CM	Anton, Doroftei/UMF, Curteanu, Lisa/TUIASI, Ilie/UANC, Tarcoveanu, Bogdaniciu/UMF	Comprehensive Review on the Use of Artificial Intelligence in Ophthalmology and Future Research Directions	Review	DIAGNOSTICS	2075-4418	(1), 13	2023	100	3,6	10.3390/diagnostics13010100	Q1
88	Nsangu Abdouramane1, Doina Sibescu2,3, Nekemja Dydimus Efeze4,Pierre Marcel Anicet Noah1, Fabien Ebanda Betene1, Hamabé Gomodj Valery3	Department of Mechanical Engineering, INSET, University of Douala, BP 1872, Douala, Cameroon2"Georghe Asachi" Technical University of Iasi, Romania3Departments of Textile and Leather Engineering, ENSPM, University of Maroua, Cameroon4HTTC Bambili-University of Bamenda, Cameroon	ANALYSIS OF BIO-BASED ANTIMICROBIAL TEXTILES: A REVIEW	REVIEW	Environmental Engineering and Management Journal		nr.6 , vol.22	2023	1137-1143	1,1	http://doi.org/10.30638/eem.2023.094	

89	Gabriela Carja, M Mureseanu, N Cioatera	Gabriela Carja/TUIASI, M Mureseanu, N Cioatera/UICV	Fe-Ce/Layered Double Hydroxide Heterostructures and Their Derived Oxides: Electrochemical Characterization and Light-Driven Catalysis for the Degradation of Phenol from Water	Articol	Nanomaterials	2079-4991	13(6)	2023	981-987	5,3	10.3390/nano13060981	Q2/Nanomaterials
90	Gabriela Carja, Safa Noua, Rachid Aziam, Ridouan Benhiti, Soulaïman Iaich, Mohamed Zerbet, Mohamed Chiban	Gabriela Carja/TUIASI, Safa Noua, Rachid Aziam, Ridouan Benhiti, Soulaïman Iaich, Mohamed Zerbet, Mohamed Chiban/University Ibn Zohr, A/JUDSM	Synthesis of LDH/alginate composite beads as a potential adsorbent for phosphate removal: Kinetic and equilibrium studies	Articol	Chemical Papers	0366-6352	77/11		6689-6705	2,2	10.1007/s11696-023-02969-z	Q3/Chemistry
91	Iacob Tudose Eugenia	FCPM	Dispersion in a two-phase flow Sulzer column	articol	Studia UBB Chemia	2065-9520	LXVIII, 2	2023	169-184	0,3	10.24193/subbchem.2023.2.11	Q4
92	Berteaean I., Epure E.L., Ciobanu C.I., Carlescu I., Boussolelem Y., Danjou P.E., Bhat V., Duponchel B., Hurdud N., Daoudi A.	Ciobanu C.I./UAIC, Boussolelem Y./UDSM, Danjou P.E./UDSM, Bhat V./RRI, Duponchel B./UDSM, Daoudi A./UDSM	Novel antiferroelectric materials with resorcinol-based symmetrical fluorinated bent-core mesogens	articol	Journal of Molecular Liquids	0167-7322	338	2023	10	6	10.1016/j.molliq.2023.122753	Q1
93	Ciolacu, DE; Nicu, R; Suflet, DM; Rusu, D; Darie-Nita, RN; Simionescu, N; Cazacu, G; Ciolacu, F	Ciolacu, DE/ICMPP; Nicu, R/ICMPP; Suflet, DM/ICMPP; Rusu, D/ICMPP; Darie-Nita, RN/ICMPP; Simionescu, N/ICMPP; Cazacu, G/ICMPP	Multifunctional Hydrogels Based on Cellulose and Modified Lignin for Advanced Wounds Management	Articol	Pharmaceutics	1999-4923	Nr.11 Vol 15	2023	28	5,4	10.3390/pharmaceutics15112588	Q1
94	Ghilan, A; Nicu, R; Ciolacu, DE; Ciolacu, F	Ghilan, A/ICMPP; Nicu, R/ICMPP; Ciolacu, DE/ICMPP	Insight into the Latest Medical Applications of Nanocellulose	Review	Materials	1996-1944	Nr.12 Vol 16	2023	39	3,4	10.3390/ma16124447	Q2
95	Nicu, R; Ciolacu, DE; Petrovici, AR; Rusu, D; Avadanei, MI; Mihaila, AC; Butoi, E; Ciolacu, F	Nicu, R/ICMPP; Ciolacu, DE/ICMPP; Petrovici, AR/ICMPP; Rusu, D/ICMPP; Avadanei, MI/ICMPP; Mihaila, AC/ICMPP; Butoi, E/ICMPP	3D Matrices for Enhanced Encapsulation and Controlled Release of Anti-inflammatory Bioactive Compounds in Wound Healing	Articol	International Journal of Molecular Science	1422-0067	Nr.4 Vol 24	2023	20	5,6	10.3390/ijms24044213	Q1
96	A-D. Diaconu, C.-L. Logan, C.A. Peptu, C. Ibanescu, V. Harabagiu, C. Peptu	Diaconu/ICMPP, Harabagiu/ICMPP, Peptu/ICMPP	Polyurethane Degradable Hydrogels Based on Cyclodextrin-Oligocaprotonate Derivatives	Articol	Gels	2310-2861	9(9)	2023	22	4,6	10.3390/gels9090755	Q1
97	E.I. Chereches, D. Bejan, C. Ibanescu, M. Danu, A.A. Minea	Bejan/ICMPP	Nanocolloids based on PEG 400 with MgO nanoparticles: Experimental study on viscosity and specific heat	Articol	Thermal Science and Engineering Progress	2451-9049	43	2023	12	4,8	10.1016/j.tsep.2023.101985	Q1
98	E.I. Chereches, D. Bejan, C. Ibanescu, M. Danu, A.A. Minea	Bejan/ICMPP	Experimental investigation of isobaric heat capacity and viscosity for suspensions of alumina nanoparticles in [C4mim][BF4] ionic liquid	Articol	Journal of Thermal Analysis and Calorimetry	1388-6150	17(148)	2023	10	4,4	10.1007/s10973-023-12309-8	Q1
99	E.I. Chereches, C. Ibanescu, M. Danu, A.A. Minea		Studies on rheological properties and isobaric heat capacity of ZnO - [C4mim][BF4] nanoparticle enhanced ionic liquid	Articol	Journal of Molecular Liquids	0167-7322	380	2023	10	6	10.1016/j.molliq.2023.121759	Q1
100	Fustes-Dămoc I., Mălutan T., Mija A.	Fustes-Dămoc I./TUIASI, Mălutan T./TUIASI, Mija A./Franta	Chitosan as a Polyfunctional Crosslinker for a Renewable-Based Resorcinol Diglycidyl Ether	Articol	ACS Sustainable Chemistry & Engineering	2168-0485	11(19)	2023	7605-7616	8,4	10.1021/acscuschemeng.3c01429	Q1
101	Fustes-Dămoc I., Dinu R., Mălutan T., Mija A.	Fustes-Dămoc I./TUIASI, Dinu R., Mălutan T./TUIASI, Mija A.	Valorisation of Chitosan Natural Building Block as a Primary Strategy for the Development of Sustainable Fully Bio-Based Epoxy Resins	Articol	Polymers	2073-4360	15(24)	2023	4627-4644	5	10.3390/polym15244627	Q1
102	Andreea Luca, Isabella Nacu, Sabina Tanasache, Cătălina Anisoara Peptu, Maria Butnaru Liliana Vereștiuc	Luca/UMF Iasi, Nacu/UMF Iasi/ICMPP, Tanasache/UMF Iasi, Butnaru/UMF Iasi, Vereștiuc/UMF Iasi	New Methacrylated Biopolymer-Based Hydrogels as Localized Drug Delivery Systems in Skin Cancer Therapy	articol	GELS	2310-2861	9(5)	2023	370-389	4,6	10.3390/gels9050371	Q1
103	Nacu, I., Bercea, M., Niță, L.E., Peptu, C.A., Butnaru, M., Vereștiuc, L.	Nacu/UMF Iasi/ICMPP, Bercea/ICMPP, Niță/ICMPP, Peptu/UMF Iasi, Vereștiuc/UMF Iasi	3D bioprinted scaffolds based on functionalized gelatin for soft tissue engineering	articol	Reactive and Functional Polymers	1381-5148	190	2023	1-15	5,1	10.1016/j.reactfunctpolym.2023.105636	Q1
104	Cristian Peptu, Diana-Andreea Blaj, Mihaela Balan-Porcarasu, Catalina A. Peptu, Valeria Harabagiu	Peptu/ICMPP, Blaj/ICMPP, Porcarasu/ICMPP, Harabagiu/ICMPP	Custom-modified oligoaldehyde-cyclodextrin derivatives for electrosun drug formulations	articol	European Polymer Journal	0014-3057	196	2023	1-13	6	10.1016/j.eurpolymj.2023.112234	Q1
105	Olariu, M. A., Filip, T. A., Peptu, C. A., Turcan, I.	Olariu/TUIASI, Filip/TUIASI, Turcan/TUIASI	Screen-printed interdigitated microelectrodes employment in dielectrophoretic manipulation of MWCNTs	articol	Microchim Acta	0026-2672	190	2023	453	5,7	10.1007/s00604-023-06023-3	Q1
106	Mihai Aoirote, Petrica Vizureanu, Nicanor Cimposu, Carmen Nejeru, Diana-Petronela Burduhos-Nergis, Elena-Luiza Epure	n/A	Analysis of physicochemical properties of W1.8507 steel parts with sharp edges, thermochemically treated by plasma nitriding with and without polarized screen	articol	Coatings	2079-6412	13(1)	2023	1-20	3,4	10.3390/coatings13010177	Q2
107	Elena Luiza Epure, Florina Daniela Cojocaru, Mihaela Aradaoaei, Cristian Romeo Ciobanu, Gariarina Dodi	F.D. Cojocaru, G. Dodi/UMF Iasi	Exploring the surface potential of recycled polyethylene terephthalate composite supports on the collagen contamination level	articol	Polymers	2073-4360	15(3)	2023	1-23	5	10.3390/polym15030776	Q1
108	Carmen Nejeru, Ramona Cimposu, Petrica Vizureanu, Elena-Luiza Epure, Manuela Cristina Perju, Stefan Constantin Lupescu	S.C. Lupescu/Stefan Cel Mare Univ Suceava	Study on the thermal fatigue effect of carboxymethylcellulose solution media dissolved in water as a quenching cooling medium	articol	Applied Sciences	2076-3417	13(10)	2023	1-14	2,7	10.3390/app13106021	Q2
109	Diana-Petronela Burduhos-Nergis, Nicanor Cimposu, Elena-Luiza Epure, Bogdan Istrate, Dumitru-Doru Burduhos-Nergis, Costica Bejinariu	Tuasi	Ca-Zn phosphate conversion coatings deposited on Ti6Al4V for medical applications	articol	Coatings	2079-6412	13(6)	2023	1-12	3,4	10.3390/coatings13061029	Q2
110	Cornelie S Stan, Noumane Elouakassi, Cristina Albu, Ania O Conchi, Adina Coroba, Laura E Ursu, Marcel Popa, Hamid Kaddami, Abdelami Almagoussi	Elouakassi N., Kaddami H., Almagoussi A./Cadi Ayyad University, Av. Abdelkrim Khattabi, Conchi C./Université d'Orléans, Orleans, France; Coroba A., Ursu L./ICMPP Iasi	Photoluminescence of Argan-Waste-Derived Carbon Nanodots Embedded in Polymer Matrices	Articol	Nanomaterials	2079-4991	14(1)	2023	14	5,3	10.3390/nano14010083	Q2
111	Jessica Plé, Corneliu S Stan, Didier Zanghi, Cécile Genevois, Samar Hajjar-Garreau, Lavinia Balan	Plé J., Zanghi D., Genevois C., Hajjar S., Balan L./CEMHTI UPR 3079, CNRS, Université d'Orléans, France	Photoinduced polymer-confined QDs for efficient photoluminescent 2D/3D printing applications	Articol	Materials Advances	2633-5409	4	2023	9	5,0	10.1039/D3MA00029D	Q1
112	Camelia Elena Tincu, Brahim Bouhadiba, Leonard I. Atanase, Corneliu S. Stan, Marcel Popa, Lăcrămioara Ochiluz	Bouhadiba B./University of Oran 2, Mohammed Benahmed, Oran, Algeria; Atanase L./"Apollonia" University of Iasi; Ochiluz L./UMFIasi	An Accessible Method to Improve the Stability and Reusability of Porcine Pancreatic α -Amylase via Immobilization in Gellan-Based Hydrogel Particles Obtained by Ionic Cross-Linking with Mg ²⁺ Ions	Articol	Molecules	1420-3049	28(12)	2023	29	4,6	10.3390/molecules28124695	Q2
2022												
1	Ungureanu G., Pătrăuțanu O.A., Volf I.*	Ungureanu G., Pătrăuțanu O.A., Volf I.* / TUIasi	A bio-based carbon rich material for efficient remediation of environmental hazardous	articol	Comptes Rendus Chimie	1631-0748	25, 3,	2022	11	2,46	10.5802/crchim.173	Q3
2	Vasseghian Y, Dragol EN, Alimomani F, Lee VT	Vasseghian Y/Soongil University, Dragol EN/TUIASI, Alimomani F/Qatar University, Lee VT/Duy Tan University	A comprehensive review on MXenes as new nanomaterials for degradation of hazardous pollutants: Deployment as heterogeneous sonocatalysis	Review	Chemosphere	0045-6535	287(4), art no 132387	2022		8,943	10.1016/j.chemosphere.2021.132387	Q1
3	Vasseghian Y, Dragol EN, Alimomani F, Goltzadeh N, Lo DVN	Vasseghian Y/Soongil University, Dragol EN/TUIASI, Alimomani F/Qatar University, Goltzadeh N/Science, Technology, Engineering, and Mathematics (STEM) Knowledge Translations Institute, Montreal, Lo DVN/Science, Technology, Engineering, and Mathematics (STEM) Knowledge Translations Institute, Montreal	A global systematic review of the concentrations of Malathion in water matrices: Meta-analysis, and probabilistic risk assessment	Articol	Chemosphere	0045-6535	291(2), no 132789	2022		8,943	10.1016/j.chemosphere.2021.132789	Q1
4	Vasseghian Y, Alimohamadi M, Khataee A, Dragol EN	Vasseghian Y/Soongil University, Alimohamadi M/Soongil University, Khataee A/Univ Tabriz, Dragol EN/TUIASI	A global systematic review on the concentration of organophosphate esters in water resources: Meta-analysis, and probabilistic risk assessment	Review	Science of The Total Environment	0048-9697	807(2), art no. 150876	2022		7,96	10.1016/j.scotenv.2021.150876	Q1

5	Gavrilescu Marius, Floria Sabina-Adriana, Leon Florin, Curteanu Silvia	Gavrilescu Marius/TUIASI, Floria Sabina-Adriana/TUIASI, Leon Florin/TUIASI, Curteanu Silvia/TUIASI	A Hybrid Competitive Evolutionary Neural Network Optimization Algorithm for a Regression Problem in Chemical Engineering	Articol	Mathematics	2227-7390	10(19)	2022	29	2,592	10.3390/math10193581	Q1
6	Ciolacu, F; Ianus, G; Marian, G; Munteanu, C; Paleu, V; Nazar, B; Istrate, B; Gudima, A; Daraduda, N	Marian, G; Nazar, B; Gudima, A; Daraduda, N/UTM Chisinau	A Qualitative Assessment of the Specific Woody Biomass of Fruit Trees	Articol	FORESTS	1999-4907	13 (3)	2022	14	3,282	10.3390/f13030405	Q1
7	Vasseghian Y., Moradi M., Dragoi E.-N., Khaneghah A.M	Vasseghian Y./Soongsil University, Moradi M./Kermanshah Univ Med Sci, Dragoi EN/TUIASI, Khaneghah A.M/State Univ Campinas UNICAMP	A review on mycotoxins detection techniques in edible oils	Review	International Journal of Environmental Analytical Chemistry	0306-7319	102(9)	2022	2125-2139	2,731	10.1080/03067319.2020.1750607	Q3
8	Bejenari I., Hristea G., Carausu C., Mija A, Volf I	Bejenari I., Carausu C., Volf ITUIASI, Hristea-ICPEA, Mija-UCA,	A Sustainable Approach on Spruce Bark Waste Valorization through Hydrothermal Conversion	articol	Processes	2227-9717	10	2022	111	3,352	https://doi.org/10.3390/pr10010111	Q2
9	Angela Cerempel, Mariana Costea, Lenuta Profire, Cristina Mihaela Rimbu, Mihaela Balkan, Florentina Lupascu, Simona-Maria Tatarusanu, Bianca Stefania Profire, Emil Ioan Muresan	UTI	A Sustainable Approach to a Cleaner Production of Antimicrobial and Biocompatible Protein Fibers	Articol	Polymers	2073-4360	14(15), 3194	2022	18	4,967	https://www.mdpi.com/2073-4360/14/15/3194	Q1
10	Secula, Marius Sebastian; Piuleac, George Ciprian; Cagnon, Benoit	Secula, Marius Sebastian; Piuleac, George Ciprian/TUIASI; Cagnon, Benoit/ UNIVERSITE D ORLEANS	Acid Blue 74 removal from aqueous solutions by EC/GAC coupling: a multi-objective optimization approach based on a hybrid NN-GA	articol	Desalination and Water Treatment	1944-3994	271	2022	281-296	1,273	10.5004/dwt.2022.28799	Q3
11	Karimi-Maleh H, Rajendran S, Vasseghian Y, Dragoi EN	Karimi-Maleh H/University of Electronic Science and Technology of China, Rajendran S/ Universidad de Tarapacá, Vasseghian Y/Soongsil University, Dragoi EN/TUIASI	Advanced integrated nanocatalytic routes for converting biomass to biofuels: A comprehensive review	Review	Fuel	0016-2361	314,art no 122762	2022		8,035	10.1016/j.fuel.2021.122762	Q1
12	Stoica I, Sava I, Epure E-L, Tiron V, Konieczkowska J, Schab-Balcerzak E	Stoica I, Sava I/P Poni, Tiron V/UAIC, Konieczkowska J, Schab-Balcerzak E/ Polonia	Advanced morphological, statistical and molecular simulations analysis of laser-induced micro/nano multiscale surface relief gratings	articol	Surfaces and Interfaces	2468-0230	29	2022	1-15	6,137	10.1016/j.surfin.2022.101743	Q1
13	I. Cretescu, D. Lutic	I. Cretescu/TUIASI, D. Lutic/UAIC	Advanced removal of crystal violet dye from aqueous solutions by photocatalysis using commercial products containing titanium dioxide Elimination avancée du colorant cristal violet de solutions aqueuses par photocatalyse en utilisant des produits commerciaux contenant du dioxyde de titane	articol	Comptes Rendus. Chimie	1631-0748	25(53)	2022	39-50	2,55	10.5802/crchim.150	Q2
14	Bărbjveanu G., Dinita F., Teodosiu C*	Bărbjveanu G., Dinita F., Teodosiu C.*/TUIASI	Aging Passenger Car Fleet Structure, Dynamics, and Environmental Performance Evaluation at the Regional Level by Life Cycle Assessment	articol	Sustainability	2071-1050	14(14), 8443	2022	1-18	3,889	https://doi.org/10.3390/su14148443	Q2
15	Puitlet A.C., Suditu G.D., Danu M., Alilesei G.L., Nechita M.T.	Puitlet A.C./TUIASI, Suditu G.D./TUIASI, Danu M./TUIASI/P/PONI, Alilesei G.L./P/PONI, Nechita M.T./TUIASI	An Experimental Study on the Hot Alkali Extraction of Xylan-Based Hemicelluloses from Wheat Straw and Corn Stalks and Optimization Methods	Articol	Polymers	2073-4360	14, 1662	2022	17	4,967	https://doi.org/10.3390/polym14091662	Q1
16	Turcov, D.; Barna, A.S. ; Trifan, A.; Blaga, A.C.; Tanasa, A.M. ; Suteu, D.	Trifan/UMF	Antioxidants from Galium verum as Ingredients for the Design of New Dermocosmetic Products	articol	Plants- Basel	2223-7747	11(19)	2022	2454	4,658	10.3390/plants11192454	Q1
17	Roxana Lazar, Alexandra Cristina Blaga, Elena Dragoi, Anca-Irina Galaction, Dan Cascaval	Roxana Lazar/TUIASI, Alexandra Cristina Blaga/TUIASI, Elena Dragoi/TUIASI, Anca-Irina Galaction/UMF, Dan Cascaval/TUIASI	Application of reactive extraction for the separation of pseudomonic acids: Influencing factors, interfacial mechanism, and process modelling	Articol	Canadian J. of Chemical Engineering	1939-019X	vol. 100, nr. 51	2022	S246-S257	2,5 sau 2,007	10.1080/01496395.2021.1931327 sau 10.1002/cjce.24124	Q4
18	E. Savastru, D. Bulgariu, C.I. Zamfir, Laura Bulgariu	D. Bulgariu/UAIC, C.I. Zamfir/USV Iasi; E. Savastru, Laura Bulgariu/TUIASI	Application of Saccharomyces cerevisiae in the Biosorption of Co(II), Zn(II) and Cu(II) Ions from Aqueous Media	Articol	Water	2073-4441	14	2022	976	3,530	doi.org/10.3390/w14060976	Q2
19	Blaga Alexandra Cristina, Tucaliuc Alexandra, Kloetzer Lenuta	Blaga Alexandra Cristina / TUIASI; Tucaliuc Alexandra / TUIASI; Kloetzer Lenuta / TUIASI	Applications of Ionic Liquids in Carboxylic Acids Separation	review	Membranes	2077-0375	vol. 8, nr. 12	2022	19	4,56	10.3390/membranes12080771	Q2
20	Suditu GD, Dragoi EN. Apostica AG, Manaila AM, Radu VM, Puitlet AC, Nechita MT	Suditu GD/TUIASI, Dragoi EN/TUIASI Apostica AG/TUIASI, Manaila AM/TUIASI, Radu VM/TUIASI, Puitlet AC/TUIASI, Nechita MT/TUIASI	Artificial Intelligence-Based Tools for Process Optimization: Case Study-Bromocresol Green Decolorization with Active Carbon	Articol	Adsorption Science & Technology	0263-6174	8110436	2022		4,373	10.1155/2022/8110436	Q2
21	Mehrizi AA, Jafarzadeh H, Lashkenari MS, Naddafi M, Le VT, Tran VA, Dragoi EN, Vasseghian Y	Mehrizi AA/University of Electronic Science and Technology of China, Jafarzadeh H/Quchan University of Technology, Lashkenari MS/Amol University of Special Modern Technologies, Naddafi M/University of Electronic Science and Technology of China, Le VT/Duy Tan University, Tran VA/Duy Tan University, Dragoi EN/TUIASI, Vasseghian Y/Soongsil University	Artificial neural networks modeling ethanol oxidation reaction kinetics catalyzed by polyaniline-manganese ferrite supported platinum-ruthenium nanohybrid electrocatalyst	Articol	Chemical Engineering Research and Design	0263-8762	184	2022	72-78	4,119	10.1016/j.cherd.2022.05.046	Q2
22	S. Praveen, J. Jegan, T.B. Pushpa, R. Gokulan, Laura Bulgariu	S. Praveen, J. Jegan, T.B. Pushpa, R. Gokulan/CMR Inst Technol, India; Laura Bulgariu/TUIASI	Biochar for removal of dyes in contaminated water: an overview	Reviv	Biochar	2524-7972	4	2022	10	11,250	doi.org/10.1007/s42773-022-00131-8	Q1
23	Blaga, AC ; Tanasa, AM ; Cimpoesu, R.; Tataru-Farmus, RE ; Suteu, D		Biosorbents Based on Biopolymers from Natural Sources and Food Waste to Retain the Methylene Blue Dye from the Aqueous Medium	articol	Polymers	2073-4360	14(13)	2022	2728	4,967	10.3390/polym14132728	Q1
24	Suteu D., Zaharia C., Blaga A.C., Peptu A.C.	Suteu D., Zaharia C., Blaga A.C., Peptu A.C./ TUIASI	Biosorbents based on residual biomass of Lactobacillus sp. bacteria consortium immobilized in sodium alginate for Orange 16 dye retention from aqueous solutions	articol	Desalination and Water Treatment	1944-3994	246	2022	315-324	1,273	10.5004/dwt.2022.28018	Q3

25	I.Ahmad, U. Farwa, Z.U. Haq Khan, M. Imran, M. Shafique, K.B. Zhu, A. Rasool, G.M. Shah, M. Tahir, M. Ahmed, S. Rezapour, Laura Bulgariu	I.Ahmad, U. Farwa, Z.U. Haq Khan, M. Imran, M. Shafique, K.B. Zhu, A. Rasool, G.M. Shah, M. Tahir, M. Ahmed, S. Rezapour/COMSATS Univ Islamabad, Pakistan; Laura Bulgariu/TUIASI	Biosorption and Health Risk Assessment of Arsenic Contaminated Water through Cotton Stalk Biochar	Articol	Surfaces and Interfaces	2468-0230	29	2022	101806	6,137	doi.org/10.1016/j.surfim.2022.101806	Q1
26	Tofan, L., Bojoaga, C.-N., Paduraru, C.	Tofan, L., Bojoaga, C.-N., Paduraru, C./TUIASI	Biosorption for the recovery and analysis of rare earth elements and platinum group metals from real samples. A review	review	Environmental Chemistry Letters	1610-3653	20(2)	2022	1225-1248	13,61	https://doi.org/10.1007/s10311-021-01330-8	Q1
27	F.Y. Aljaberi, S.M. Alardhi, S.A. Ahmed, A.D. Salmund, T. Juzsakova, I. Cretescu, P.C. Leg. W. J. Chung, S.W. Chang, D.D. Nguyenhi	F.Y. Aljaberi, S.M. Alardhi, S.A. Ahmed/Iraq, A.D. Salmund, T. Juzsakova/Pannonia Univ. (Hungary), I. Cretescu, P.C. Leg/Vietnam, W. J. Chung, S.W. Chang/Korea, D.D. Nguyenhi/Vietnam	Can electrocoagulation technology be integrated with wastewater treatment systems to improve treatment efficiency?	review	Environmental Research	0013-9351	Volume 214, Part 2	2022	art. 113890	8,431	https://doi.org/10.1016/j.envres.2022.113890	Q1
28	Mariana Diaconu, Irina Volf, Igor Cretescu, Tatjana Juzsakova, Gabriela Soreanu	Tatjana Juzsakova/University of Pannonia, Veszprém; Mariana Diaconu, Irina Volf, Igor Cretescu, Gabriela Soreanu/TUIASI	Carbon biocapture in the frame of climate change and air quality issues: a preliminary microbiota screening	articol	Environmental Engineering & Management Journal	1582-9596	Vol. 21 Issue 2	2022	p333-340	0,832	http://www.eemj.tuiasi.ro/ ; http://www.eemj.eu	Q3
29	Ungureanu G., Bejenari I., Hristea G., Volf I	Ungureanu G., Bejenari I., Volf I/TUIASI, Hristea-ICPEA	Carbonaceous materials from forest waste conversion and their corresponding hazardous pollutants remediation performance	articol	Forests	1999-4907	13	2022	2080	3,282	https://doi.org/10.3390/f13122080	Q1
30	Stelea, L.; Filip, I.; Lisa, G.; Ichim, M.; Droboita, M.; Sava, C.; Muresan, A	Stelea, Lisa, Ichim, Sava, Muresan/Tuiasi; Filip/Taparo; Droboita/CMPP	Characterisation of Hemp Fibres Reinforced Composites Using Thermoplastic Polymers as Matrices	Articol	Polymers	2073-4360	14	2022	481	4,967	https://doi.org/10.3390/polym14030481	Q1
31	Filote C., Lanez E., Popa V.I., Lanez T., Volf I.	Filote C., Lanez E., Popa V.I., Lanez T., Volf I./TUIASI	Characterization and Bioactivity of Polysaccharides Separated through a (Sequential) Biorefinery Process from Fucus spiralis Brown Macroalgae	articol	Polymers	2073-4360	14	2022	4106	4,967	https://doi.org/10.3390/polym14194106	Q1
32	A. Soudani, L. Youcef, Laura Bulgariu, S. Youcef, K. Toumi, N. Soudani	A. Soudani, L. Youcef, S. Youcef, K. Toumi, N. Soudani/Biskra University, Algeria; Laura Bulgariu/TUIASI	Characterizing and modeling of Oak fruit shells biochar as an adsorbent for the removal of Cu, Cd, and Zn in single and in competitive systems	Articol	Chemical Engineering Research and Design	0263-8762	188	2022	972-987	4,119	10.1016/j.cherd.2022.10.0090 263-8762	Q2
33	Logian Corina-Lenuța, Delaite Christelle, Tiron Crina-Elena, Peptu Cristian, Popa Marcel, Peptu Cătălina Anisoara	C. Delaite/Universite de Mulhouse, C. Tiron / Institutul regional de Oncologie Iasi, Peptu Cristian / ICMPPI Iasi	Chitosan Grafted Poly (Ethylene Glycol) Methyl Ether Acrylate Particulate Hydrogels for Drug Delivery Applications	articol	Gels	2310-2861	8(8)	2022	23	4,432	10.3390/gels8080494	Q1
34	Tarcoveanu Filip, Leon Florin, Curteanu Silvia, Chiselita Dorin, Bogdanici Camelia Margareta, Anton Nicoleta	Tarcoveanu Filip/UMF, Leon Florin/TUIASI, Curteanu Silvia/TUIASI, Chiselita Dorin/UMF, Bogdanici Camelia Margareta/UMF, Anton Nicoleta/UMF	Classification Algorithms Used in Predicting Glaucoma Progression	Articol	Healthcare	2227-9032	10(10)	2022	20	3,16	10.3390/healthcare10101831	Q2
35	Lazar L., Koeser H., Balasanian I.	Lazar L./TUIASI, Koeser H./Germany, Balasanian I./TUIASI	Comparative kinetics study of the catalytic oxidation of benzene and its mono-halogenated derivatives over V2O5-WO3/TiO2 catalyst	articol	Comptes Rendus Chimie	1631-0748; 1878-1543	25, no.53	2022	109-117	2,55	10.5802/crchim.174	Q3
36	Ciotonea, C., Chirieac, A., Dragoi, B., Catrinescu, C., Royer, S., Ungureanu, A.	Ciotonea, C., Royer, S./Univ. Lille, CNRS, Centrale Lille, Lille, France; Chirieac, A., Dragoi, B., Catrinescu, C., Ungureanu, A./TUIASI	Cu-Ga2O3 nanoparticles supported on ordered mesoporous silica for the catalytic hydrogenation of cinnamaldehyde	Articol	Comptes Rendus Chimie	1631-0748	25 (53)	2022	81-94	2,55	10.5802/crchim.141	Q3
37	Vasseghian Y, Almomani F, Le VT, Moradi M, Dragoi EN	Vasseghian Y/Sooongsil University, Almomani F/Qatar University, Le VT/Duy Tan University, Moradi M/Kermanshah Univ Med Sci, Dragoi EN/TUIASI	Decontamination of toxic Malathion pesticide in aqueous solutions by Fenton-based processes: Degradation pathway, toxicity assessment and health risk assessment	Review	Journal of Hazardous Materials	0304-3894	423, art no 127016	2022		10,588	10.1016/j.jhazmat.2021.127016	Q1
38	D. Turcov, A. S. Barna, A. C. Blaga, C. Ibanescu, M. Danu, A. Trifan, A. Zbranca, D. Suteu	Trifan/UMF; Zbranca/UMF	Dermatocosmetic Emulsions Based on Resveratrol, Ferulic Acid and Saffron (Crocus sativus) Extract to Combat Skin Oxidative Stress-Trigger Factor of Some Potential Malignant Effects: Stability Studies and Rheological Properties	articol	Pharmaceutics	1999-4923	14(11)	2022	2376	6,525	10.3390/pharmaceutics14112376	Q1
39	Mihaela Mureseanu, Andreea Eliescu, Eugenia-Corina Ignat, Gabriela Carja, Nicoleta Cioatera	M. Mureseanu, A. Eliescu (Univ. Craiova), E.-C. Ignat, Gabriela Carja (TUIASI, N. Cioatera (Univ. Craiova)	Different routes of MgAl-LDH synthesis for tailoring the adsorption of Pb(II) pollutant from water	articol	Comptes Rendus. Chimie,	1878-1543	25(53)	2022	281-292	3,117	10.5892/crchim.184	Q3
40	Hamciuc, C; Vlad-Bubulac, T; Serbezeanu, D; Lisa, G; Anghel, I; Preda, DM	Hamciuc, Vlad-Bubulac, Serbezeanu/ICMPP; Lisa/Tuiasi; Anghel, Preda/Fac. de Pompieri Academia de Politie	Eco-friendly flame retardant epoxy nanocomposites based on polyphosphonate and halloysite nanotubes	Articol	JOURNAL OF VINYL & ADDITIVE TECHNOLOGY	1548-0585		2022		2,297	DOI 10.1002/avl.21940	Q2
41	Hamciuc, C.; Vlad-Bubulac, T.; Serbezeanu, D.; Macsim, A.-M.; Lisa, G.; Anghel, I.; Sofran, I.-E.	Hamciuc, Vlad-Bubulac, Serbezeanu, Macsim/ICMPP; Anghel, Sofran/Fac. de Pompieri Academia de Politie, Lisa G/TUIASI	Effects of Phosphorus and Boron Compounds on Thermal Stability and Flame Retardancy Properties of Epoxy Composites	Articol	Polymers	2073-4360	14	2022	4005	4,967	https://doi.org/10.3390/polym14194005	Q1
42	Elena Grosu; Elena Seftel; Matthias Cuyk; Myrjam Mertens; Adrian Covaci; Pegie Cool; Gabriela Carja	E. Grosu (TUIASI), E. Seftel (VITO); M. Cuyk; M. Mertens; A. Covaci, P. Cool (Univ. Antwerpen) Gabriela Carja (TUIASI)	Efficient degradation and mineralization of diclofenac in water on ZnMe (Me: Al; Co; Ga) layered double hydroxides and derived mixed oxides as novel photocatalysts	articol	Comptes Rendus. Chimie,	1878-1543	25(53)	2022	51-67	3,117	org/10.5802/crchim.184	Q3
43	Memon AF, Ameen S, Khand NH, Qambrani N, Buledi JA, Junejo B, Solangi AR, Taqvi SQJ, Dragoi EN, Zare N, Karimi F, Vasseghian Y	Memon AF/King Saud University, Ameen S/King Saud University, Khand NH/University of Sindh, Qambrani N/University of Sindh, Buledi JA/University of Sindh, Junejo B/University of Sindh, Solangi AR/University of Sindh, Taqvi SQJ/University of Sindh, Dragoi EN/TUIASI, Zare N/University of Sindh, Karimi F/Quchan University of Technology, Vasseghian Y/Sooongsil University	Electrochemical monitoring of bisphenol-S through nanostructured tin oxide/Nafion/GCE: A solution to environmental pollution	Articol	Chemosphere	0045-6535	303(3), art no 135170	2022		8,943	10.1016/j.chemosphere.2022.135170	Q1

44	Serbezeanu, D.; Hamciuc, C.; Vlad-Bubulac, T.; Onofrei, M.-D.; Bargan, A.; Rusu, D.; Suflet, D.M.; Lisa, G.	Serbezeanu, Hamciuc, Vlad-Bubulac, Onofrei, Bargan, Rusu, Suflet/ICMPP; Lisa/TUIASI	Electrospun Nanofibers Based on Polymer Blends with Tunable High-Performance Properties for Innovative Fire-Resistant Materials	Article	Polymers	2073-4360	14	2022	5501	4,967	https://doi.org/10.3390/polym14245501	Q1
45	Zaharia C., Suteu D.	Zaharia C., Suteu D./ TUIASI	Empirical Modeling and Optimization by Active Central Composite Rotatable Design: Brilliant Red HE-3B Dye Biosorption onto Residual Yeast Biomass-Based Biosorbents	article	Applied Sciences (Switzerland)	2076-3417	12 (13)	2022	6377	2,838	10.3390/app12136377	Q2
46	Lăcrămioara Rusu, Cristina-Gabriela Grigoras, Andrei-Ionuț Simion, Elena-Mirela Suceveanu, Alexandra-Cristina Blaga, Maria Harja	Rusu, Grigoras, Simion, Suceveanu - UVA-Bacau	Encapsulation of Saccharomyces pastorianus Residual Biomass in Calcium Alginate Matrix with Insights in Ethacridine Lactate Biosorption	article	Polymers	2073-4360	14(1)	2022	170	4,967	10.3390/polym14010170	Q1
47	D. Galea, Radu Ciocarlan, Elena M. Seftel, Pegie Cool, Gabriela Carja	D. Galea, R. Ciocarlan (LADCA, Antwerp), E. M. Seftel, (VITO), P. Cool (LADCA, Antwerp), Gabriela Carja (TUIASI)	Engineering Heterostructures of Layered Double Hydroxides and Metal Nanoparticles for Plasmon-Enhanced Catalysis	Review	Catalysts	2073-4344	12(10)	2022	28	4,501	org/10.3390/cata12101210	Q2
48	Maria Gavrilescu	Maria Gavrilescu/ Universitatatea Tehnica "Gheorghe Asachi din Iasi"	Enhancing phytoremediation of soils polluted with heavy metals	review	Current Opinion in Biotechnology	0958-1669	74 (april 2022)	2022	11	10,279	10.1016/j.copbio.2021.10.024	Q1
49	Nutescu Duduman C., Gómez de Castro C., Apostolescu G.A., Ciobanu G., Lutić D., Favier L., Harja M.	Nutescu Duduman C./TUIASI, Gómez de Castro C./Spania, Apostolescu G.A./TUIASI, Ciobanu G./TUIASI, Lutić D./UAIC, Favier L./Franta, Harja M./TUIASI	Enhancing the TiO2-Ag Photocatalytic Efficiency by Acetone in the Dye Removal from Wastewater	article	Water	2073-4441	14 (17)	2022	1-16	3,53	https://doi.org/10.3390/w14172711	Q2
50	Floria Sabina-Adriana, Gavrilescu Marius, Leon Florin, Curteanu Silvia	Floria Sabina-Adriana/TUIASI, Gavrilescu Marius/TUIASI, Leon Florin/TUIASI, Curteanu Silvia/TUIASI	Ensembles of Biologically Inspired Optimization Algorithms for Training Multilayer Perceptron Neural Networks	Article	Applied Science	2076-3417	12(19)	2022	22	2,838	10.3390/app12199997	Q2
51	G. Marian, G. Ianus, B. Istrate, A. Banari, B. Nazar, C. Munteanu, T. Mlutan, A. Gudîma, Nicolae Daraduda / Daraduda, V. Paleu	Grigore Marian, Alexandru Banari, Boris Naza, Andrei Gudîma, Nicolae Daraduda / TUMoldova	Evaluation of Agricultural Residues as Organic Green Energy Source Based on Seabuckthorn, Blackberry, and Straw Blends	Article	Agronomy	2073-4395	12	2022	2018-2032	3,949	10.3390/agronomy12092018	Q1
52	T. Arsenie, I.G. Cara, M.C. Popescu, I. Motrescu, Laura Bulgariu	I.G. Cara, I. Motrescu/USV, M.C. Popescu/P/Poni Iasi; T. Arsenie, Laura Bulgariu/TUIASI	Evaluation of the Adsorptive Performances of Rapeseed Waste in the Removal of Toxic Metal Ions in Aqueous Media	Article	Water	2073-4441	14(24)	2022	4108	3,530	doi.org/10.3390/pr11010080	Q2
53	Cleminte, C.-I.; Ionita, D.; Lisa, C.; Cristea, M.; Mamaliga, I.; Lisa, G.	Cleminte, Lisa, Mamaliga, Lisa/TUIASI; Ionita, Cristea/ICMPP	Evaluation of the Sublimation Process of Some Purine Derivatives: Sublimation Rate, Activation Energy, Mass Transfer Coefficients and Phenomenological Models	Article	Materials	1996-1944	15	2022	7376	3,748	https://doi.org/10.3390/ma15207376	Q1
54	Daraban, GM ; Rusu, L ; Dinica, RM ; Rosca, M ; Badeanu, M ; Mihaila, MDI ; Suteu, D	Rusu/LVA-Bacau; Badeanu/USAMV; Rosca/USAMV; Dinica/U-Galati; Mihaila/U-Galati	Exploring the Antioxidant and Bioinsecticidal Activity of Spontaneous Flora Vegetal Extracts for Plant Protection and Prevention of Soil Contamination	article	Separations	N/A; eISSN 2297-8739	9(9)	2022	260	3,344	10.3390/separations9090260	Q2
55	Lenuta Kloetzer, Alexandra Tucaluc, Anca-Irina Galaction, Dan Cașcaval	Lenuta Kloetzer / TUIASI, Alexandra Tucaluc / TUIASI, Anca-Irina Galaction/UMF Iasi, Dan Cașcaval / TUIASI	Fractionation of dicarboxylic acids produced by Rhizopus oryzae using reactive extraction	Article	SCIENTIFIC REPORTS	2045-2322	vol.12, nr.1	2022	1-10	4,99	10.1038/s41598-022-06069-y	Q1
56	Alexandra Cristina Blaga, Elena Niculina Dragoi, Raluca Elena Munteanu, Dan Cascaval, Anca Irina Galaction	Alexandra Cristina Blaga / TUIASI, Elena Niculina Dragoi / TUIASI, Raluca Elena Munteanu / TUIASI, Dan Cascaval / TUIASI, Anca Irina Galaction / UMF Iasi	Gallic Acid Reactive Extraction with and without 1-Octanol as Phase Modifier: Experimental and Modeling	Article	FERMENTATION-BASEL	2311-5637	vol. 8, nr. 11	2022	1-14	5,12	10.3390/fermentation8110633	Q2
57	Tofanica B.M., Belosinschi D., Volf I.	Tofanica B.M., Belosinschi D., Volf I./ TUIASI	Gels, Aerogels and Hydrogels: A Challenge for the Cellulose-based Product Industries	review	Gels	2310-2861	8	2022	497	4,432	https://doi.org/10.3390/gel8080497	Q1
58	Vasseghian Y, Dragoi EN, Almomani F, Le VT	Vasseghian Y/Soongsil University, Dragoi EN/TUIASI, Almomani F/Qatar University, Le VT/Duy Tan University	Graphene derivatives in bioplastic: A comprehensive review of properties and future perspectives	Review	Chemosphere	0045-6535	286(3), no 131892	2022		8,943	10.1016/j.chemosphere.2021.131892	Q1
59	Vasseghian Y, Dragoi EN, Almomani F, Le VT	Vasseghian Y/Soongsil University, Dragoi EN/TUIASI, Almomani F/Qatar University, Le VT/Duy Tan University	Graphene-based materials for metronidazole degradation: A comprehensive review	Review	Chemosphere	0045-6535	286(2), art no 131727	2022		8,943	10.1016/j.chemosphere.2021.131727	Q1
60	Vasseghian Y, Almomani F, Dragoi EN	Vasseghian Y/Soongsil University, Almomani F/Qatar University, Dragoi EN/TUIASI	Health risk assessment induced by trace toxic metals in tap drinking water: Condorcet principle development	Article	Chemosphere	0045-6535	286(2), no 131821	2022		8,943	10.1016/j.chemosphere.2021.131821	Q1
61	Iolanda Fusteș-Damoc, Teodor Malutan, Alice Mija	Alice Mija /Universite Cote d'Azur, Nice, France	High content chitosan-based materials with high performance properties	Article	International Journal of Biological Macromolecules	0141-8130 / 1879-0003	223, Part A	2022	263-272	8,025	10.1016/j.ijbiomac.2022.10.270	Q1
62	Yiming Huang, Zhe Liub, Arxin Bo, Xiao Tang, Wayde Martens, Liangchi Kou, Yuantong Gu, Gabriela Carja, Huaiyong Zhu, Sarina Sarina	Y. Huang, Z. Liub (South China Univ. of Technology), A. Bo, X. Tang, W. Martens, L. Kou, Y. Gu, H. Zhu, S. Sarina (Queensland Univ. of Technology, Brisbane), Gabriela Carja (TUIASI)	High efficient arsenic removal by In-layer sulphur of layered double hydroxide	article	Journal of Colloid and Interface Science	0021-9797	608	2022	2358-2366	9,965	doi.org/10.1016/j.jcis.2021.10.148	Q2

63	Teles, C.A., Clotonea, C., Gomes, N., Gonçalves, V.O.O., Ungureanu, A., Catrinescu, C., Marinova, M., Clacens, J.-M., Royer, S., Noronha, F.B., Richard, F.	Teles, C.A., Clacens, J.-M., Richard, F. / Université de Poitiers, CNRS, Institut de Chimie des Milieux et Matériaux de Poitiers, 5 Poitiers, France; Clotonea, C. / Université du Littoral Côte d'Opale, Unité de Chimie Environnementale et Interactions sur le Vivant- UCEIV, Dunkerque, France; N., Gonçalves, Gonçalves, V.O.O. / Universidade Federal do Rio de Janeiro, Instituto de Química, Departamento de Físico-Química, Av. Athos da Silveira Ramos, Rio de Janeiro, Brazil; Marinova, M., Royer, S. / Université de Lille, Lille, France; Noronha, F.B. / Military Institute of Engineering, Chemical Engineering Department, Rio de Janeiro, Brazil; Ungureanu, A., Catrinescu, C./TUIASI	Hydrodeoxygenation of m-cresol over Pd/Al-SBA-15 catalysts: Effect of Al content on the deoxygenation reaction pathways	Article	Applied Catalysis A: General		641	2022	118686	5,723	10.1016/j.apcata.2022.118686	Q2	
64	Altuner EE, Tiri RN, Aygun A, Gulbagca A, Sen F, Iranbaksh A, Karimi F, Vasseghian Y, Dragoi EN	Altuner EE/Dumlipinar University, Tiri RN/Dumlipinar University, Aygun A/Dumlipinar University, Gulbagca A/Dumlipinar University, Sen F/Dumlipinar University, Iranbaksh A/Islamic Azad University, Karimi F/Quchan University of Technology, Vasseghian Y/Soongsil University, Dragoi EN/TUIASI	Hydrogen production and photocatalytic activities from NaBH4 using trimetallic biogenic PdPtCo nanoparticles: Development of machine learning model	Article	Chemical Engineering Research and Design	0263-8762	184	2022	180-190	4,119	10.1016/j.cherd.2022.05.0210263-8762	Q2	
65	Alexandra Cristina Blaga, Dan Cascaval, Anca Irina Galaction	Alexandra Cristina Blaga / TUIASI, Dan Cascaval / TUIASI, Anca Irina Galaction / UMF Iasi	Improved Production of alpha-Amylase by Aspergillus terreus in Presence of Oxygen-Vector	Article	FERMENTATION-BASEL	2311-5638	vol.8, nr. 6	2022	1-10	5,12	10.3390/fermentation8060271	Q2	
66	Ciolacu, DE; Rusu, D; Darie-Nita, RN; Timpu, D; Ciolacu, F	Ciolacu, DE; Rusu, D; Darie-Nita, RN; Timpu, D/ICMPP	Influence of Gel Stage from Cellulose Dissolution in NaOH-Water System on the Performances of Cellulose Allomorphs-Based Hydrogels	Article	GELS	2310-2861	8 (7)	2022	21	4,432	10.3390/gels8070410	Q1	
67	Lenuta Kloetzer, Alexandra Tucaliuc, Dan Cascaval, Anca-irina Galaction	Lenuta Kloetzer/TUIASI, Alexandra Tucaliuc/TUIASI, Dan Cascaval/TUIASI, Anca-irina Galaction/UMF	Influence of solvent polarity on reactive extraction of fumaric acid with Amberlite LA-2 from viscous solutions	Article	Separation Science and Technology	0149-6395	vol. 57, nr. 5	2022	698-706	2,80	10.1080/01496395.2021.1931327	Q3	
68	Loredana Stan, Irina Volf* , Corneliu S. Stan, Cristina Albu, Adina Coroba, Laura E. Ursu, Marcel Popa	Adina Coroba, Laura E. Ursu / Institutul de Chimie Macromoleculara Petru Poni Iasi	Intense Blue Photo Emissive Carbon Dots Prepared through Pyrolytic Processing of Ligno-Cellulosic Wastes	Article	Nanomaterials	2079-4991	13, 131	2022	13	5,719	https://doi.org/10.3390/nano13010131	Q1	
69	Favier, L., Simion A.I., Hlilor R.M., Fekete Kertesz I., Molnar M., Harja M., Vial C.	Favier, L./Remnes, Simion A.I./UB, Hlilor R.M./USV, Fekete Kertesz I./Hungary, Molnar M./Hungary, Harja M./TUIasi; Vial C./France	Intensification of the photodegradation efficiency of a hardly removed emergent water pollutant through response surface methodology optimization of process conditions	Article	Journal of Environmental Management	0301-4797	328(2)	2023	116928	8,91	https://doi.org/10.1016/j.jenman.2022.116928	Q1	
70	Dumitriu (Gabur) G.D., Gabur, I., Cuculea E.I., Costache T., Rambu D., Cotea V. V., Teodosiu C.*	Dumitriu (Gabur) G.D., Gabur, I., Cuculea E.I. / University of Life Sciences, Iasi, Romania; Cuculea E.I., Costache T., Scient Research Centre for Instrumental Analysis, Tancabești, Iffov, Romania; Teodosiu C.*/TUIASI	Investigating Six Common Pesticides Residues and Dietary Risk Assessment of Romanian Wine Varieties, Foods	article	Foods	2304-8158	11(15), 2225	2022	1-22	5,561	https://doi.org/10.3390/foods11152225	Q1	
71	Bejenari V., Lisa C., Cernătescu C., Mămăligă I., Lisa G.	Bejenari, Lisa, Cernătescu, Mămăligă, Lisa/TUIASI	Isothermal Drying Kinetic Study of Spent Coffee Grounds Using Thermogravimetric Analysis	Article	International Journal of Chemical Engineering	1687-8078		2022	2022	2E+06	2,729	doi:10.1155/2022/2312147	Q3
72	Maria Gavrilescu	Maria Gavrilescu/Universitatea Tehnica "Gheorghe Asachi" din Iasi	Microbial recovery of critical metals from secondary sources	article	Bioresource Technology	0960-8524	344, 126208	2022	14	11,889	10.1016/j.biortech.2021.126208	Q1	
73	D.I. Ferțu, Laura Bulgarui, M. Gavrilescu	D.I. Ferțu/Univ. Galati; Laura Bulgarui, M. Gavrilescu /TUIASI	Modeling and Optimization of Heavy Metals Biosorption by Low-Cost Sorbents Using Response Surface Methodology	Article	Processes	2227-9717	10(3)	2022	523	3,352	doi.org/10.3390/pr10030523	Q2	
74	Daniela Ionela Fertu, Elena Niculina Dragoi, Laura Bulgarui, Silvia Curteanu, Maria Gavrilescu	Daniela Ionela Fertu/ Universitatea "Dunarea de Jos" Galati; Elena Niculina Dragoi, Laura Bulgarui, Silvia Curteanu, Maria Gavrilescu/ Universitatea Tehnica "Gheorghe Asachi" din Iasi	Modeling the biosorption process of heavy metal ions on soybean-based low-cost biosorbents using Artificial Neural Networks	article	Processes	2227-9717	Nr. 3, vol. 10	2022	24	3,352	10.3390/pr10030603	Q2	
75	Gabriela Lisa , Ion Anghel, Dana-Maria Preda /, Catalin Lisa , Igor Cretescu , Ingrid Ioana Buciscanu , Mariana Diaconu, Gabriela Soreanu	Ion Anghel, Dana-Maria Preda/JAIC; Gabriela Lisa, Catalin Lisa , Igor Cretescu, Ingrid Ioana Buciscanu , Mariana Diaconu, Gabriela Soreanu/TUIASI	Moving towards Valorization of Biowastes Issued from Biotrickling Filtration of Contaminated Gaseous Streams: A Thermochemical Analysis-Based Perspective	article	Sustainability	2071-1050	14, 10737	2022	p. 1 - p. 11	3,889	10.3390/su141710737	Q1	
76	Ciolacu, DE; Nicu, R; Ciolacu, F	Ciolacu, DE; Nicu, R; Ciolacu, F/UTI	Natural Polymers in Heart Valve Tissue Engineering: Strategies, Advances and Challenges	Review	BIOMEDICINES	2227-9059	10 (5)	2022	66	4,757	10.3390/medicines10051095	Q2	
77	M. Ivancia, A.M. Mocanu	Ivancia/USAMV Iasi; Mocanu/UTI	New Imidazole Derivatives, Synthesis, Characterization and Thermal Degradation	article	Revue Roumaine de Chimie	0035-3930	67(1-2)	2022	10	0,410	DOI: 10.33224/rch.2022.67.1-2.06	Q4	
78	E. C. Ignat, D. Lutić , G. Ababei, Gabriela Carja	E. C. Ignat (TUIASI) , D. Lutić (UAIC), G. Ababei (IFT, Iasi), Gabriela Carja (TUIASI)	Novel Heterostructures of Noble Plasmonic Metals/Ga-Substituted Hydrotaicite for Solar Light Driven Photocatalysis toward Water Purification	article	Catalysts	2073-4344	12(11)	2022	15	4,501	org/10.3390/catal12111351	Q2	
79	Anton C, Leon F, Mavrilescu M, Dragoi EN, Florina SA, Curteanu S, Lisa C	Anton C/TUIASI, Leon F/TUIASI, Mavrilescu M/TUIASI, Dragoi EN/TUIASI, Florina SA/TUIASI, Curteanu S/TUIASI, Lisa C/TUIASI	Obtaining Bricks Using Silicon-Based Materials: Experiments, Modeling and Optimization with Artificial Intelligence Tools	Article	Mathematics	2227-7390	10(11)	2022	1891	2,592	10.3390/math10111891	Q1	

80	Homocianu, M.; Serbezeanu, D.; Lisa, G.; Brebu, M.; Vlad-Bubulac, T.	Homocianu, Serbezeanu, Brebu, Vlad-Bubulac/ICMPP; Lisa/TUIASI	Optical and Flame-Retardant Properties of a Series of Polyimides Containing Side Chained Bulky Phosphaphenanthrene Units	Articol	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	1422-0067	23	2022	13174	6,628	https://doi.org/10.3390/ijms232113174	Q1
81	Tripathi A.S.M., Kondratenko K., Duponchel B., Hurdac N., Carlescu I., Boussoualem Y., Daoudi A.	Tripathi A.S.M., Kondratenko K., Duponchel B., Boussoualem Y., Daoudi A. / Universite Littoral, Dunkerque, Franta	Orientation in large area semiconducting thin-films of 2-amino-anthracene fabricated by Dynamic Floating Film Transfer Method	Articol	Thin Solid Films	0040-6090	742	2022	8	2,183	10.1016/j.tsf.2021.139044	Q3
82	M. Chereches, C. Ibanescu, M. Danu, E.I. Chereches, A.A. Minea		PEG 400-based phase change materials nano-enhanced with Alumina: An experimental approach	Articol	Alexandria Engineering Journal	1110-0168	61	2022	12	6,626	10.1016/j.aej.2021.12.029	Q1
83	Tucker S., Dumitriu (Gabur) G.D., Teodosiu C*	Dumitriu (Gabur) G.D./ University of Life Sciences, Iasi, Romania; Tucker S., Teodosiu C* / TUIASI	Pesticides Identification and Sustainable Viticulture Practices to Reduce Their Use: An Overview	review	Molecules	1420-3049	27(23), 8205	2022	1-21	4,927	https://doi.org/10.3390/molecules27238205	Q2
84	Serbezeanu, D.; Vlad-Bubulac, T.; Onofrei, M.D.; Doroftei, F.; Hamciuc, C.; Ipatie, A.-M.; Anisie, A.; Lisa, G.; Anghel, I.; Sofran, I.-E.; Popescu V.	Serbezeanu, Vlad-Bubulac, Onofrei, Doroftei, Hamciuc, Ipatie, Anisie/ICMPP, Lisa, Popescu/TUIASI; Anghel, Sofran/Fac. de Pompieri Academia de Politie	Phosphorylated Poly(vinyl alcohol) Electrospun Mats for Protective Equipment Applications	Articol	Nanomaterials	2079-4991	12	2022	2685	5,719	https://doi.org/10.3390/nano12152685	Q1
85	Stan L., Malutan T., Volf I., Popa M., Stan C.S., Tincu C.E	Stan L., Malutan T., Volf I., Popa M., Stan C.S., Tincu C.E/ TUIASI	Photoluminescent polymer aerogels with R, G, B emission	articol	International Journal of Molecular Science	1422-0067	23	2022	16004	6,208	https://doi.org/10.3390/ijms232416004	Q1
86	D. Turcov, S. Barna, L. Profire, A.T. Iacob, G. Lisa, A. Puteil, A. Zbranca, D. Suteu	Zbranca/UMF; Profire/UMF; Iacob/UMF	Physico-chemical characterization of the antioxidant mixture resveratrol-ferulic acid for applications in dermato-cosmetic products	articol	Farmacia	0014-8237	70(3)	2022	410-416	1,55	10.31925/farmacia.2022.3.5	Q4
87	Pirsaheb M., Dragoi EN, Vasseghian Y	Pirsaheb M/Kermanshah Univ, Dragoi EN/TUIASI, Vasseghian Y/Sooosil University	Polycyclic Aromatic Hydrocarbons (PAHs) Formation in Grilled Meat products—Analysis and Modeling with Artificial Neural Networks	Articol	Polycyclic Aromatic Compounds	1040-6638	42(1)	2022	156-172	3,744	10.1080/10406638.2020.1720750	Q1
88	Tofan Lavinia	Tofan Lavinia/TUIASI	Polymeric biomass derived adsorbents for Co(II) remediation, recycling and analysis	Review	Polymers	2073-4360	14(9)	2022	1647	4,967	doi:10.3390/polym14091647	Q1
89	Suteu D., Blaga A.C., Zaharia C., Cimpoesu R., Puteil A.C., Tataru-Farmus R.E., Tanasa A.M.	Suteu D., Blaga A.C., Zaharia C., Cimpoesu R., Puteil A.C., Tataru-Farmus R.E., Tanasa A.M. /TUIASI	Polysaccharides Used in Biosorbents Preparation for Organic Dyes Retaining from Aqueous Media	articol	Polymers	2073-4360	14 (3)	2022	588	4,967	10.3390/polym14030588	Q1
90	Mardare G., Lazar L., Malutan T.	Mardare G./TUIASI, Lazar L./TUIASI, Malutan T./TUIASI	Potential application of invasive plant species <i>Datura innoxia</i> for the scopolamine extracts of the plant organs and analysis using UV-VIS spectrophotometry	articol	Forests	1999-4907	13, no.10	2022	15 pag., article no.1555	3,282	https://doi.org/10.3390/f13101555	Q1
91	A.D. Salman, T. Juzsakova, M.G. Jalhoon, P.C. Le, T.A. Abdullah, I. Cretescu, E. Domokos, V.H. Nguyen	A.D. Salman, T. Juzsakova/Pannonia Univ. (Hungary), M.G. Jalhoon/Iraq, P.C. Le/Vietnam, T.A. Abdullah/Pannonia Univ., I. Cretescu/TUIASI, E. Domokos/Pannonia Univ., V.H. Nguyen/Vietnam	Potential Application of Macrocyclic Compounds for Selective Recovery of Rare Earth Scandium Elements from Aqueous Media	articol	Journal of Sustainable Metallurgy	2199-3823	8	2022	135-147	3,068	https://doi.org/10.1007/s40831-021-00484-7	Q2
92	D. Turcov, A. S. Barna, O. T. Apreutesei (Ciupeca), A. C. Puteil, D. Suteu		Preliminary processing of floral bio-residues of saffron (<i>crocus sativus</i> L.) as an innovative resource for development of high added-value cosmetic products	articol	BioResource	1930-2126	17(3)	2022	4730-4744	1,747	10.15376/biores.17.3.4730-4744	Q2
93	Zait R., Fighir D., Sluser B.*, Plavan O., Teodosiu C*	Zait R./ Siret River Basin Water Administration, Bacau, Romania; Fighir D., Sluser B.*, Plavan O., Teodosiu C*/TUIASI	Priority pollutants effects on aquatic ecosystems evaluated through toxicity, impact, and risk assessments	articol	Water	2073-4441	14(20), 3237	2022	1-21	3,53	https://doi.org/10.3390/w14203237	Q2
94	Zait R., Sluser B.*, Fighir D., Plavan O., Teodosiu C*	Zait R., / Siret River Water Basin Administration, Bacau, Romania; Sluser B.*, Fighir D., Plavan O., Teodosiu C*/TUIASI	Priority pollutants monitoring and water quality assessment in the Siret River basin, Romania	articol	Water	2073-4441	14(1), 129	2022	1-23	3,53	https://doi.org/10.3390/w14010129	Q2
95	ET IacobTudose, C Zaharia, N Melnicuic Puica	ET Iacob Tudose, C Zaharia/FICPM, N Melnicuic Puica/FTO, AICuzatiasi	Reduction of water color in a spinning disc reactor	Articol	Applied Sciences		12	2022	10253	2,838	https://doi.org/10.3390/app122010253	Q2
96	Ilie Onu, Daniela Matei, Dragos-Petrica Sardaru, Dan Cascaval, Ana Onu, Robert Gherghel, Ionela Lacramioara Serban, George Danut Mocanu, Daniel Andrei Jordan, Gabriel Murariu, Anca-Irina Galaction	Ilie Onu / UMF Iasi, Daniela Matei / UMF Iasi, Dragos-Petrica Sardaru / UMF Iasi, Dan Cascaval / TUIASI, Ana Onu / Micromedica P.N., Robert Gherghel / UMF Iasi, Ionela Lacramioara Serban / UMF Iasi, George Danut Mocanu / "Dunarea de Jos" Univ. Galati, Daniel Andrei Jordan "Dunarea de Jos" Univ. Galati, Gabriel Murariu "Dunarea de Jos" Univ. Galati, Anca-Irina Galaction / UMF Iasi	Rehabilitation of Patients with Moderate Knee Osteoarthritis Using Hyaluronic Acid Viscosupplementation and Physiotherapy	Articol	APPLIED SCIENCES-BASEL	2076-3417	vol.12, nr.6	2022	1-25	2,83	10.3390/app12063165	Q2
97	A.D. Salman, T. Juzsakova, S. Mohsen, T.A. Abdullah, P.C. Le, V. Sebestyen, B. Sluser, I. Cretescu	A.D. Salman, T. Juzsakova/Pannonia Univ. (Hungary), S. Mohsen, T.A. Abdullah/Iraq, P.C. Le/Vietnam, V. Sebestyen/Pannonia Univ., B. Sluser, I. Cretescu/TUIASI	Scandium Recovery Methods from Mining, Metallurgical Extractive Industries, and Industrial Wastes	review	Materials	eissn: 1996-1944	15(7)	2022	1-39	3,748	https://doi.org/10.3390/ma15072376	Q1
98	Mariana Minut, Mariana Diaconu, Mihaela Rosca, Petronela Cozma, Laura Bulgariu, Maria Gavrilescu	Mihaela Rosca/USAMV Iasi; Mariana Minut, Mariana Diaconu, Petronela Cozma, Laura Bulgariu, Maria Gavrilescu/TUIASI	Screening of Azotobacter, Bacillus and Pseudomonas Species as Plant Growth-Promoting Bacteria	articol	Processes	2227-9717	11(1), 80	2022	p. 1 - p. 19	3,338	https://doi.org/10.3390/pr11010080	Q1

99	Buledi JA, Solangi AR, Hyder A, Khand NH, Memon SA, Mallah A, Mahar N, Dragoi EN, Show P, Behzadpour M, Karimi-Maleh H	Buledi JA/University of Sindh, Solangi AR/University of Sindh, Hyder A/University of Sindh, Khand NH/University of Sindh, Memon SA/University of Sindh, Mallah A/University of Sindh, Mahar N/King Fahad University of Petroleum and Minerals, Dragoi EN/TUIASI, Show P/ University of Nottingham Malaysia, Behzadpour M/Quchan University of Technology, Karimi-Maleh H/University of Electronic Science and Technology of China	Selective oxidation of amaranth dye in soft drinks through tin oxide decorated reduced graphene oxide nanocomposite based electrochemical sensor	Article	Food and Chemical Toxicology	0278-6915	165, art no 113177	2022		5,572	10.1016/j.fct.2022.113177	Q1
100	Clasen A.P., Agostinho F., Teodosiu C., Almeida C.M.V.B., Giannetti B.F.	Clasen A.P., Agostinho F., Almeida C.M.V.B., Giannetti B.F./Universidade Paulista (UNIP), Brazil; Teodosiu C./TUIASI	Shaping cities: a proposal for an integrative FEW nexus model.	article	Environmental Science and Policy	1462-9011	136	2022	326-336	6,424	https://doi.org/10.1016/j.envsci.2022.06.013	Q1
101	Morosanu I., Paduraru C., Bucatariu F., Fighir D., Mihai M., Teodosiu C	Bucatariu F., Mihai M./"Petru Poni" Institute of Macromolecular Chemistry, Iasi, Romania ; Morosanu I., Paduraru C., Fighir D., Teodosiu C./TUIASI	Shaping polyelectrolyte composites for heavy metals adsorption from wastewater: experimental assessment and equilibrium studies	article	Journal of Environmental Management,	0301-4797	321, 115999	2022	1-14	8,91	https://doi.org/10.1016/j.jenvman.2022.115999	Q1
102	Tiris G, Mehmandoust M, Lotfy HM, Erk N, Joo SW, Dragoi EN, Vasseghian Y	Tiris G/Bezmalium Vakif University, Mehmandoust M/Ankara University, Lotfy HM/Future University in Egypt, Erk N/Ankara University, Joo SW/Soongsil University, Dragoi EN/TUIASI, Vasseghian Y/Soongsil University	Simultaneous determination of hydrochlorothiazide, amlodipine, and telmisartan with spectrophotometric and HPLC green chemistry applications	Article	Chemosphere	0045-6535	103(3), art no 135074	2022		8,943	10.1016/j.chemosphere.2022.135074	Q1
103	Mardare G., Lazar L., Malutan T.	Mardare G./TUIASI, Lazar L./TUIASI, Malutan T./TUIASI	Spectroscopic investigation and chemical fingerprint of Datura innoxia dry biomass	article	Comptes Rendus Chimie	1631-0748; 1878-1543	25, no.S3	2022	227-235	2,55	10.5802/crchim.169	Q3
104	Vasseghian Y, Le VT, Joo SW, Dragoi EN, Kamyab H, Chellappang S, Klemesh JJ	Vasseghian Y/Duy Tan University, Le VT/Duy Tan University, Joo SW/Soongsil University, Dragoi EN/TUIASI, Kamyab H/ Universiti Teknologi Malaysia, Chellappang S/Universiti Teknologi Malaysia, Klemesh JJ/ Brno University of Technology	Spotlighting graphene-based catalysts for the mitigation of environmentally hazardous pollutants to cleaner production: A review	Review	Journal of Cleaner Production	0959-6526	art no 132702	2022		11,072	10.1016/j.jclepro.2022.132702	Q1
105	Suditu G.D., Blaga A.C., Tataru-Farmus R.E., Zaharia C., Suteu D.	Suditu G.D., Blaga A.C., Tataru-Farmus R.E., Zaharia C., Suteu D./TUIASI	Statistical Analysis and Optimization of the Brilliant Red HE-3B Dye Biosorption onto a Biosorbent Based on Residual Biomass	article	Materials	1996-1944	15 (10)	2022	7180	3,748	10.3390/ma15207180	Q1
106	Tucaliuc Alexandra; Cislaru Ana; Kloetzer Lenuta; Blaga Alexandra Cristina	Tucaliuc Alexandra / TUIASI; Cislaru Ana / TUIASI; Kloetzer Lenuta / TUIASI; Blaga Alexandra Cristina/ TUIASI	Strain Development, Substrate Utilization, and Downstream Purification of Vitamin C	review	Processes	2227-9717	vol. 10, nr. 8	2022	13	3,35	10.3390/pr10081595	Q2
107	Baltatu, I; Sandu, AV; Baltatu, MS; Benchea, M; Achitai, DC; Ciolacu, F; Perju, MC; Vizureanu, P; Benea, L	Benea, L/UGAL	Structural and physical characterization of new Ti-based alloys	Article	ARCHIVES OF METALLURGY AND MATERIALS	2300-1909	67 (1)	2022	5 (255-259)	0,633	10.24425/amm.2022.137499	Q4
108	Harja, M.; Lupu, N.; Chiriac, H.; Herea, D.D.; Buema, G.	Harja, M./TUIasi; Lupu, N.; Chiriac, H.; Herea, D.D.; Buema, G./IFT Iasi	Studies on the removal of Congo red dye by an adsorbent based on fly ash/NaOH/Fe3O4 mixture. 2022, 8, 125.	Article	Magnetochemistry	2312-7481	8(10)	2022	125	3,336	https://doi.org/10.3390/magnetochemistry8100125	Q2
109	Cioabanu R., Teodosiu C., Almeida C.M.V.B., Agostinho F., Giannetti B.F.	Almeida C.M.V.B., Agostinho F., Giannetti B.F./ Universidade Paulista, Brazil; Cioabanu R., Teodosiu C./TUIASI	Sustainability Analysis of a Municipal Wastewater Treatment Plant through Emergy Evaluation	article	Sustainability	2071-1050	14(11):6461	2022	1-19	3,889	https://doi.org/10.3390/su14116461	Q2
110	Gadaleta G., De Gisi S., Todaro F., Campanaro V., Teodosiu C., Notarnicola M.	Gadaleta G., De Gisi S., Todaro F., Notarnicola M./Polytechnic University of Bari, Italy; Campanaro V./ARPA Puglia, Italy; Teodosiu C./TUIASI	Sustainability assessment of municipal solid waste separate collection and treatment systems in a large metropolitan area	article	Sustainable Production and Consumption	2352-5509	29C	2022	328-340	8,921	https://doi.org/10.1016/j.spc.2021.10.023	Q1
111	Hamciuc, C.; Lisa, G.; Serbezeanu, D.; Gradinaru, L.M.; Asandulesa, M.; Tudorachi, N.; Vlad-Bubulac, T.	Hamciuc, Serbezeanu, Gradinaru, Asandulesa, Tudorachi, Vlad-Bubulac/CMPP; Lisa/TUIASI	Tailoring Thermal and Electrical Properties of Jeffamine Segmented Polyetherimide Composite Films Containing BaTiO3 particles	Article	Polymers	2073-4360	14	2022	4715	4,967	https://doi.org/10.3390/polym14214715	Q1
112	Stoica I, Epure EL, Barzic AI, Mihaila I, Constantin CP, Sava I	Stoica I, Barzic AI, Constantin CP, Sava I/P Poni; Mihaila I/UAIAC	The impact of the azo-chromophore sort on the features of the supramolecular azopolyimide films desired to be used as substrates for flexible electronics	article	International Journal of Molecular Sciences	1422-0067	23,23	2022	1-24	6,208	10.3390/ijms232315223	Q1
113	C. Peptu, A.-D. Diaconu, M. Danu, C.A. Peptu, M. Cristea, V. Harabagiu	Peptu/CMPP, Diaconu/CMPP, Cristea/CMPP, Harabagiu/CMPP	The influence of the hydroxyl type on crosslinking process in cyclodextrin based polyurethane networks	Article	Gels	2310-2861	8	2022	23	4,432	10.3390/gels8060348	Q1
114	Bejan V, Dragoi EN, Curteanu S, Scripcariu V, Filip B	Bejan V/UMF, Dragoi EN/TUIASI, Curteanu S/TUIASI, Scripcariu V/UMF, Filip B/UMF	The Prediction of Peritoneal Carcinomatosis in Patients with Colorectal Cancer Using Machine Learning	Article	Healthcare	2227-9032	10(8),	2022	1425	3,16	10.3390/healthcare10081425	Q2
115	Mariana Ichim, Lucia Stelea, Ioan Filip, Gabriela Lisa, Emil Ioan Muresan	Ichim, Stelea, Filip, Lisa, Muresan/TUIASI	Thermal and Mechanical Characterization of Coir Fibre-Reinforced Polypropylene Biocomposites	Article	Crystals	2073-4352	12(9), 1249	2022	16	2,67	https://doi.org/10.3390/cryst12091249	Q2
116	Epure E-L, Lisa G., Simion G., Simion A., Cioabanu C.I., Carlescu I.	Epure, Lisa, Simion, Simion, Carlescu/TUIASI, Cioabanu/UAIAC	Thermal behavior, decomposition mechanism by TG/MS/FTIR technique and theoretical study of some symmetric and asymmetric bent-core liquid crystals based on 2,7-dihydroxynaphthalene	Article	Journal of Thermal Analysis and Calorimetry	1388-6150	21, 147	2022	12033-1204	4,755	DOI:10.1007/s10973-022-11378-5	Q1
117	Mihailă A., Danu M., Ibaneşcu C., Anghel I., Sofran I.-E., Balanescu L.V., Tudorachi N., Lisa G	Mihaila, Danu, Ibanescu, Lisa/TUIASI; Anghel, Sofran, Balanescu/Fac.de Pompieri Academia de Politie; Tudorachi/CMPP	Thermal characterization and rheological behavior of some varnishes and paints used for wood protection	Article	International Journal of Environmental Science and Technology	1735-1472	7, 19	2022	6299-6314	3,519	DOI 10.1007/s13762-021-03579-6	Q3

118	Hamciuc, C.; Vlad-Bubulac, T.; Serbezeanu, D.; Macsim, A.-M.; Lisa, G.; Anghel, I.; Sofran, I.-E	Hamciuc, Vlad-Bubulac, Serbezeanu, Macsim/ICMPP; Lisa/TUIASI; Anghel, Sofran/Fac.de Pompieri Academia de Politie	Thermal Properties and Flammability Characteristics of a Series of DGEBA-Based Thermosets Loaded with a Novel Bisphenol Containing DOPO and Phenylphosphonate Units	Articol	Materials	1996-1944	15	2022	7829	3,748	https://doi.org/10.3390/ma15217829	Q1
119	Ayari M, Dehkordi AB, Ziarani GM, Ghasemi JB, Ganjali MR, Soleimani M, Badiei A, Dragoi EN, Rokni H	Ayari M/ University of Tehran, Dehkordi AB/University of Tehran, Ziarani GM/Alzahra University, Ghasemi JB/University of Tehran, Ganjali MR/University of Tehran, Soleimani M/University of Tehran, Badiei A/University of Tehran, Dragoi EN/TUIASI, Rokni H/Quechan University of Technology	Ultrasound-assisted synthesis of europium doped BPO4 nanoparticles; a new approach for Zn2+ (aq) detection	Articol	Food and Chemical Toxicology	0278-6915	168, art no 113373	2022		5,572	10.1016/j.fct.2022.113373	Q1
120	Anton Nicoleta, Lisa Catalin, Doroftei Bogdan, Curteanu Silvia, Bogdanici Camelia Margareta, Chiselita Dorin, Branisteanu Daniel Constantin, Nechita-Dumitriu Ionela, Ilie Ovidiu-Dumitru, Ciuntu Roxana Elena	Anton Nicoleta/UMF, Lisa Catalin/TUIASI, Doroftei Bogdan/UMF, Curteanu Silvia/TUIASI, Bogdanici Camelia Margareta/UMF, Chiselita Dorin/UMF, Branisteanu Daniel Constantin/UMF, Nechita-Dumitriu Ionela/UMF, Ilie Ovidiu-Dumitru/UMF, Ciuntu Roxana Elena/UMF	Use of Artificial Neural Networks to Predict the Progression of Glaucoma in Patients with Sleep Apnea	Articol	Applied Science	2076-3417	12(12)	2022	13	2,838	10.3390/app12126061	Q2
121	Harja M.*, Teodosiu C.*, Isopescu D.N., Gencel O., Lutic D., Ciobanu G., Cretescu I.*	Gencel O./Faculty of Engineering, Bartin University, Bartin, Turkey; Lutic D./ Alexandru Ioan Cuza University, Iasi, Romania, Harja M.*, Teodosiu C.*, Isopescu D.N., Ciobanu G., Cretescu I./TUIASI	Using Fly Ash Wastes for the Development of New Building Materials with Improved Compressive Strength	articol	Materials	1996-1944	15(2), 644	2022	1-15	3,748	https://doi.org/10.3390/ma15020644	Q3
122	Turcov, D; Barna, AS; Apreutesel, OT; Trifan, A; Putei, AC; Suteu, D	Trifan, A./Grigore T Popa Univ Med & Pharm. Apreutesel, OT./Res & Proc Ctr Med Plants PLANTAVOREL SA	Valorization of Bioactive Compounds from Residual Saffron Biomass (Crocus sativus L.) to Obtain High Value Added Dermato-Cosmetic Products	articol	Bioresources	1930-2126	5 17(3)	2022	4730-4744	1,747	10.15376/biores.17.3.4730-4744	Q2
123	N. Nouj, N. Hafid, N. El Alem, I.I. Buciscanu, S.S. Maier, P. Samolla, G. Soreanu, I. Cretescu, C.D. Stan	N. Nouj, N. Hafid, N. El Alem/BN ZOHr University (Morocco), I.I. Buciscanu, S.S. Maier/TUIASI, P. Samolla/PPMC, G. Soreanu, I. Cretescu/TUIASI, C.D. Stan/UMF Iasi	Valorization of β -Chitin Extraction Byproduct from Cuttlefish Bone and Its Application in Food Wastewater Treatment	articol	Materials	eissn: 1996-1944	15(8)	2022	1-27	3,748	https://doi.org/10.3390/ma15082803	Q1
124	Bucatariu F., Petrilă L-M, Teodosiu C*, Mihai M*	Petrlă L-M. Bucatariu F., Mihai M* "Petru Poni" Institute of Macromolecular Chemistry, Iasi, Romania; Teodosiu C*/TUIASI	Versatile nanostructured SiO ₂ /cross-linked polyelectrolyte composites for emerging pollutants removal from aqueous media	articol	Comptes Rendus Chimie	1631-0748	25 (2022)	2022	95-108	2,55	https://doi.org/10.5802/crc.1171	Q3
125	M. Chereches, D. Bejan, C. Ibanescu, M. Danu, E.I. Chereches, A.A. Minea	Bejan/ICMPP	Viscosity and isobaric heat capacity of PEG 400-based change materials nano-enhanced with ZnO nanoparticles	Articol	Journal of Thermal Analysis Calorimetry	1388-6150	147	2022	12	4,755	10.1007/s10973-021-11171-w	Q1
126	Birgauanu Iuliana, Danu Maricel, Lisa Catalin, Leon Florin, Curteanu Silvia, Ibanescu Constanta, Lisa Gabriela	Birgauanu Iuliana/TUIASI, Danu Maricel/TUIASI, Lisa Catalin/TUIASI, Leon Florin/TUIASI, Curteanu Silvia/TUIASI, Ibanescu Constanta/TUIASI, Lisa Gabriela/TUIASI	Viscosity Deviation Modeling for Binary and Ternary Mixtures of Benzyl Alcohol-N-Hexanol-Water	Articol	Materials	1996-1944	15(16)	2022	15	3,748	10.3390/ma15165699	Q1
127	Maria Gavrilescu	Maria Gavrilescu/ Universitatea Tehnica "Gheorghe Asachi din Iasi"	Water, Soil, and Plants Interactions in a Threatened Environment	Review	Water	2073-4441	Nr. 19, vol. 13	2021/2022, indexat in WOS in 2022, WOS-000809827600001	25	3,53	10.3390/w13192746	Q2
2022												
1	Buema, G., Borhan, A.I.; Herea, D.D.; Stoian, G.; Chiriac, H.; Lupu, N.; Roman, T.; Pui, A.; Harja, M.; Gherca D.	Buema, G./Fiz. Teh. Borhan, A.I./Fiz. Teh.; Herea, D.D./Fiz. Teh.; Stoian, G./Fiz. Teh.; Chiriac, H./Fiz. Teh.; Lupu, N./Fiz. Teh.; Roman, T./Fiz. Teh.; Pui, A./UAIC; Harja, M./Tulsi; Gherca D./Fiz. Teh.	Magnetic solid-phase extraction of cadmium ions by self-assembled multicore type nanobeads	Articol	Polymers	2073-4360	13(1)	2021	16	4,329	https://doi.org/10.3390/polym13020229	Q1
2	Harja, M.; Teodosiu, C.; Isopescu, D.N.; Gencel, O.; Lutic, D.; Ciobanu, G.; Cretescu, I.	Harja, M./TUIASI Teodosiu, C./TUIASI Isopescu, D.N./TUIASI Gencel, O./Turkey Lutic, D./UAIC Ciobanu, G./TUIASI Cretescu, I./TUIASI	Using Fly Ash Wastes for the Development of New Building Materials with Improved Compressive Strength.	Articol	Materials	1996-1944	15	2022	644	3,623	https://doi.org/10.3390/ma15020644	Q1
3	Vasseghian Y, Dragoi EN, Almomani F, Gozadeh N, Lo DVN	Vasseghian/Duy Tan University/Almomani/Qatar University, Gozadeh/ Knowledge Translations Institute, Lo/Nguyen Tat Thanh University	A global systematic review of the concentrations of Malathion in water matrices: Meta-analysis, and probabilistic risk assessment	Review	Chemosphere	0045-6535	art no 132789	2021		7,09	10.1016/j.chemosphere.2021.132789	Q1
4	Nechita Petronela, Roman Mirela, Ciolacu Florin	Nechita Petronela/ UGAL Roman Mirela/UGAL Ciolacu Florin/TUIASI	A Renewable Material with Potential Properties for Food Packaging Applications	Articol	Sustainability	ISSN: 2071-1050	13(24)	2021	16	3,251	su132413504	Q2
5	Le VT, Vasseghian Y*, Dragoi EN*, Moradi M, Khaneghah AM	Le VT, Vasseghian/Duy Tan University; Moradi M/Kermanshah University of Medical Sciences; Khaneghah/State University of Caminas	A review on graphene-based electrochemical sensor for mycotoxins detection	Review	Food and Chemical Toxicology	0278-6915	148, art no 111931	2021		6,023	10.1016/j.fct.2020.111931	Q1
6	Teodosiu, C., Gavrilescu, M.	Universitatea Tehnica "Gheorghe Asachi" din Iasi	A special issue dedicated to the 10th International Conference on Environmental Engineering and Management. ICEEM10, 2019	Editorial	Environmental Engineering and Management Journal	1582-9596	vol. 20, Nr. 3	2021	331-334	0,916		Q3
7	Gutsanu V., Lisa G., Rusu D.	Gutsanu/Moldova State Univ, Lisa/Tulsi, Rusu/ICMPP	Adsorption of Lanthanide(III) Cations on Cross-Linked Ionic Polymer, Composition and Thermal Analysis of the Formed Composites	Articol	Colloid Journal	1061-933X	83(6)	2021	688-697	0,937	10.1134/S1061933X21060041	Q3
8	Buema G, Harja M., Lupu N., Chiriac H., Forminte L., Ciobanu G., Bucur D., Bucur R.D.	Buema G./Fiz. Tehn., Harja M./TUIasi, Lupu N./Fiz. Tehn., Chiriac H./Fiz. Tehn., Forminte L./TUIasi, Ciobanu G./TUIasi, Bucur D./USAMV Iasi, Bucur R.D./IASAMV Iasi	Adsorption performance of modified fly ash for copper ions removal from aqueous solution	Articol	Water	2073-4441	13(2)	2021	17	3,103	https://doi.org/10.3390/w13020207	Q2

9	Nicu Raluca, Cioclu Florin, Cioclu Diana Elena	Nicu/ICMP, Cioclu F/TUIASI, Cioclu Diana Elena /ICMP	Advanced Functional Materials Based on Nanocellulose for Pharmaceutical/Medical Applications	Review	Pharmaceutics	1999-4923	13(8)	2021	57	6.321	pharmaceutics13081125	Q1
10	Ivaniciu L., Sutmam D., Ciocinta R.C., Favier L., Sndrea G., Ciobanu G., Harja M.	Ivaniciu L./TUIASI, Sutmam D./TUIASI, Ciocinta R.C./Directorate of Road and Bridge from Iasi, Favier L./Rennes France, Sndrea G./TUIASI, Ciobanu G./TUIASI, Harja M./TUIASI	Advanced recovery of calcium carbonate waste as a filler in waterborne paint	Article	Environmental Engineering and Management Journal	1582-9596	20(4)	2021	569-577	0,916		Q4
11	Dumitriu (Gabur) G.D., Teodosiu C*, Gabur, I., Cotea V. V.	Dumitriu (Gabur) G.D., Teodosiu C*/TUIASI; Gabur, I., Valeriu V. Cotea V.V./Ion Ionescu de la Brad University of Agricultural Sciences and Veterinary Medicine of Iasi; Peinado R.A./University of Córdoba	Alternative Winemaking Techniques to Improve the Content of Phenolic and Aromatic Compounds in Wines	article	Agriculture	2077-0472	11 Volume 233	2021	1-15	2,072	https://doi.org/10.3390/agriculture11030230233	Q1
12	Bucataru F., Teodosiu C*, Morosanu I., Fighir D., Ciobanu R., Petrița L.-M., Mihai M.*	Bucataru F., Mihai M./"Petru Poni" Institute of Macromolecular Chemistry; Teodosiu C*, Morosanu I., Fighir D., Ciobanu R., Petrița L.-M./TUIASI	An overview on composite sorbents based on polyelectrolytes used in advanced wastewater treatment	review	Polymers	2073-4360	13(22), 3963;	2021		4,329	https://doi.org/10.3390/polym13223963	Q1
13	Andra-Maria Mircea-Vicoveanu, Elena Rezus, Florin Leon and Silvia Curteanu	Elena Rezus/UMF Iasi	Analyzing Tuberculosis Reactivation in Patients with Rheumatoid Arthritis and Ankylosing Spondylitis Treated with Biological Therapy Using Machine Learning Methods	article	Applied Science	2076-3417	11(23)	2021	24	2,679	https://doi.org/10.3390/app11231406	Q2
14	Rusu, L.; Grigoras, C.-G.; Simion, A.-I.; Suceveanu, E.M.; Șuteu, D.; Harja, M.	Rusu, L./Bacau Grigoras, C.-G./Bacau Simion, A.-I./Bacau Suceveanu, E.M./Bacau; Șuteu, D./TUIASI Harja, M./TUIASI	Application of Saccharomyces cerevisiae/Calcium Alginate Composite Beads for Cephalixin Antibiotic Biosorption from Aqueous Solutions.	Article	Materials	1996-1944	14	2021	4728	3,623	https://doi.org/10.3390/ma14164728	Q1
15	Buema G., Lisa G., Kotova O., Ciobanu G., Ivaniciu L., Favier L., Harja M.	Buema G./TUIASI, Lisa G./TUIASI, Kotova O./Syktyvkar Russia, Ciobanu G./TUIASI, Ivaniciu L./TUIASI, Favier L./Rennes France, Harja M./TUIASI	Application of thermal analysis to improve the preparation conditions of zeolitic materials from flying ash	Article	Environmental Engineering and Management Journal	1582-9596	20(3)	2021	377-388	0,916		Q4
16	Ghinea, C. (1), Cozma, P. (2), Gavrilescu, M. (2)	(1) Universitatea Stefan Cel Mare, Suceava, (2) Universitatea Tehnica "Gheorghe Asachi" din Iasi	Artificial neural network applied in forecasting the composition of municipal solid waste in Iasi, Romania	Article	Journal of Environmental Engineering and Landscape Management	1648-6897	vol. 29, Nr. 3	2021	368-380	1.373	10.3846/jeem.2021.15553	Q4
17	E.-I. Epure, S. D. Oniciuc, N. Hurduc, E. N. Drăgoi	TUIASI	Artificial Neural Network modeling of glass transition temperatures for some homopolymers with saturated carbon chain backbone	Article	Polymers	2073-4360	13	2021	4,329	10.3390/polym13244461	Q1	
18	Le VT, Dragoi E-N, Almomani F, Vasseghian Y	Le/Duy Tan University, Almomani/Qatar University, Vasseghian/Duy Tan University	Artificial neural networks for predicting hydrogen production in catalytic dry reforming: A systematic review	Review	Energies	1996-1073	14(10)2894	2021		3,004	10.3390/en14102894	Q4
19	Anton N, Dragoi EN, Tarcoveanu F., Ciuntu RE, Lisa C, Cretescu S, Doroftei B, Ciuntu BN, Chiselita D, Bogdaniciu CM	Anton, Tarcoveanu, Ciuntu, Doroftei, Ciuntu, Chiselita, Bogdaniciu/UMF Iasi, Dragoi, Lisa, Cretescu/TUIASI	Assessing Changes in Diabetic Retinopathy Caused by Diabetes Mellitus and Glaucoma Using Support Vector Machines in Combination with Differential Evolution Algorithm	Article	Applied Sciences	2076-3417	9, 11	2021	3944	2,679	10.3390/app11093944	Q2
20	Constantin C-P, Lisa G, Damaceanu M-D	Constantin, Damaceanu/ICMP, Lisa G/TUIASI	Assessing the Electrical Characteristics of p-n Heterojunction Prototype Diodes Realized with n-Type Polyimide Materials	Article	Macromolecules	0024-9297	54(2)	2021	941-957	5,985	10.1021/acs.macromol.0c01853	Q1
21	Musteret C.P., Morosanu I., Ciobanu R., Plavan O., Gherghel A., Al Refai M., Roman I., Teodosiu C.*	Musteret C.P., Morosanu I., Ciobanu R., Plavan O., Gherghel A., Al Refai M., Roman I., Teodosiu C*/TUIASI	Assessment of coagulation flocculation process efficiency for the natural organic matter removal in drinking water treatment	article	Water	2073-4441	13(21), 3073	2021	1-16	3,103	https://doi.org/10.3390/w13213073	Q2
22	Baltatu M.S., Sandu A.V., Nabialek M., Vizureanu P., Ciobanu G.	Baltatu M.S./TUIASI, Sandu A.V./TUIASI, Nabialek M./Czesochowa Poland, Vizureanu P./TUIASI, Ciobanu G./TUIASI	Biomimetic deposition of hydroxyapatite layer on titanium alloy	Article	Micromachines	2072-666X	12(12)	2021	12	2,891	https://doi.org/10.3390/mi12121447	Q2
23	Filote, C., Santos, S.C.R., Popa, V.I., Botelho, C. Velfi.	Santos, Botelho/UPorto	Biorefinery of marine macroalgae into high-tech bio-products: a review.	review	Environmental Chemistry Letters	1610-3653	19	2021	969-1000	9,027	https://doi.org/10.1007/s10311-020-01124-4	Q1
24	Șuteu D., Zaharia C.*, Blaga A.C., Peptu A.C.	Suteu,Zaharia,Blaga,Peptu/UTIASI	Biosorbents based on residual biomass of Lactobacillus sp. bacteria consortium immobilized in sodium alginate for Orange 16 dye retention from aqueous solutions	Article	Desalination and Water Treatment	1944-3994	241	2022	1-10 (10 pp.)	1,32	10.5004/dwt.2022.28018	Q3
25	Tofan Lavinia, Bogoagă Carmen Nicoleta, Păduraru Carmen	Tofan Lavinia, Bogoagă Carmen Nicoleta, Păduraru Carmen/TUIASI	Biosorption the recovery and analysis of rare earth elements and platinum group metals from real samples.	Review	Environmental Chemistry Letters	1610-3653		2021		9,027	https://doi.org/10.1007/s10311-020-01124-4	Q1
26	Horciu LI, Zaharia C., Blaga A.C., Rusu L., Suteu D.*	Horciu,Zaharia,Blaga, Suteu/UTIASI; Rusu/UB Bacau	Brilliant Red HE-38 Dye Biosorption by Immobilized Residual Consortium Bacillus sp. Biomass: Fixed-Bed Column Studies	Article	Applied Sciences (MDPI)	2076-3417	11	2021	4498 (15 pp.)	2,472	10.3390/app11104498	Q2
27	Noli, F., Fedorcea, V., Misaelides, P., Cretescu, I., Kapnistis, M.	Noli/Greece, Fedorcea/TUIASI, Misaelides/Greece, Cretescu/TUIASI, Kapnistis/Greece	Cesium and barium removal from aqueous solutions in the presence of humic acid and competing cations by a Greek bentonite from Kimolos Island	Article	Applied Radiation and Isotopes	0969-8043	170, 109600	2021	-	1,513	doi.org/10.1016/j.apradiso.2021.109600	Q2
28	C.S.Ciobanu, R. Copae, D. Bulgariu, Laura Bulgariu	D.Bulgariu/UAIC	Comparative study of Pb(II) ions adsorption on pet fibers and flakes: isotherm, kinetic and mechanism considerations	Article	Desalination and Water Treatment	1944-3994	222	2021	375-385	1,254	10.5004/dwt.2021.27075	Q3
29	Suteu, Daniela, Blaga, Alexandra Cristina, Cimpoesu, Ramona, Putei, Adrian Catalin, Tataru-Farmus, Ramona-Flena	Suteu,Daniela,Blaga, Alexandra Cristina, Cimpoesu, Ramona, Putei, Adrian Catalin, Tataru-Farmus, Ramona-Flena	Composites Based on Natural Polymers and Microbial Biomass for Biosorption of Brilliant Red HE-38 Reactive Dye from Aqueous Solutions	article	POLYMERS	2073-4360	13, 24	2021	4314	4,329	10.3390/polym13244314	Q1
30	S.S. Ali, H. Jiao, A.M. Mustafa, E. Koutra, S. El-Sapagh, M. Komaros, T. Elsamahy, M. Khalil, Laura Bulgariu, J. Sun	S.S. Ali, H. Jiao, A.M. Mustafa, E. Koutra, S. El-Sapagh, M. Komaros, T. Elsamahy, M. Khalil, J. Sun/Tongji University, China	Construction of a novel microbial consortium valued for the effective degradation and detoxification of cresote-treated sawdust along with enhanced methane production	Article	Journal of Hazardous Materials	0304-3894	418	2021	126091	10,588	10.1016/j.jhazmat.2021.126091	Q1
31	Ciotonea, C., Chiriac, A., Dragoi B., Catrinescu C., E., Royer, Ungureanu, A.	TUIASI	Cu-Ga2O3 nanoparticles supported on ordered mesoporous silica for the catalytic hydrogenation of cinnamaldehyde	Article	Comptes Rendus Chimie	1631-0748		2021		3,117	10.5802/crchim.141	Q2
32	Vasseghian Y, Berkani M, Almomani F, Dragoi EN	Vasseghian/Institute of Research and Development, Duy Tan University; Berkani/Laboratoire Biotechnologies, Ecole Nationale Supérieure de Biotechnologie; Almomani/Qatar University	Data mining for pesticide decontamination using heterogeneous photocatalytic processes	Review	Chemosphere	0045-6535	270, art no 129449	2021		7,086	10.1016/j.chemosphere.2020.129449	Q1
33	O.M. Ionescu, A.-T. Iacob, A. Mignon, S. Van Vlierberghe, M. Baican, M. Danu, C. Ibanescu, N. Simionescu, L. Profire	Ionescu/UMF, Iacob/UMF, Mignon/KU Leuven, Vlierberghe/Ghent Univ, Baican/UMF, Simionescu/ICMP, Spital "N. Dohi"/Profire/UMF	Design, preparation and in vitro characterization of biomimetic and bioactive chitosan/polyethylene oxide based nanofibers as wound dressings	Article	International Journal of Biological Macromolecules	0141-8130	193	2021	13	6,953	10.1016/j.ijbiomac.2021.10.166	Q1
34	V. Kumar, S.K. Shahi, L.F.R. Ferreira, M. Bilal, J.K. Biswas, Laura Bulgariu	V. Kumar, S.K. Shahi, L.F.R. Ferreira, M. Bilal, J.K. Biswas/School of Life Science, India	Detection and characterization of refractory organic and inorganic pollutants discharged in biethanolized distillery effluent and their phytotoxicity, cytotoxicity, and genotoxicity assessment using Phaseolus aureus L. and Allium cepa L	Article	Environmental Research	0013-9351	201	2021	111551	6,498	10.1016/j.envres.2021.111551	Q1
35	Tomî Alexandrel Hraniciuc ¹ , Nicolae Marcoae ² , Catalin Dumitrel Balan ²	1 Gheorghe Asachi Technical University of Iasi, Faculty of Hydrotechnical Engineering, Geodesy and Environmental Engineering, Romania 2 Gheorghe Asachi Technical University of Iasi, Faculty of Chemical Engineering and Environmental Protection, Romania	Determination of the flood defense embankment elevation crown, using advanced hydrodynamic modeling	Article	Environmental Engineering and Management Journal	1582-9596	Vol.20,n0. 3	2021	467-478	0,9		Q3
36	Estevinho, Berta N, Horciu, Ioana-Luiza, Blaga, Alexandra-Cristina, Rocha, Fernando	BE/Porto; FR/Porto	Development of Controlled Delivery Functional Systems by Microencapsulation of Different Extracts of Plants: Hypericum perforatum L., Salvia officinalis L. and Syzygium aromaticum	article	FOOD AND BIOPROCESS TECHNOLOGY	1935-5130	14, 8	2021	1503-1517	4,465	10.1007/s11947-021-02652-9	Q1
37	Nechita, MT; Suditu, GD; Putei, AC; Dragoi, EN		Differential evolution-based optimization of corn stalks black liquor decolorization using active carbon and TiO2/UV	article	Scientific Reports	2045-2322	1 (11)	2021		4,38	10.1038/s41598-021-98006-8	Q1

38	A.Danila, S.A.Ibanescu, C.Zaharia, E.I.Muresan, A.Popescu, M.Danu*, V.Rotaru	Danila,Zaharia,Muresan,Danu,Rotaru/UTIASI; Ibanescu/CMP-Poni;Popescu/INC DTP Bucuresti	Eco-friendly O/W emulsions with potential application in skincare products	Articol	Colloids and Surfaces A: Physicochemical and Engineering Aspects	0927-7757	612	2021	125969 (12 pp.)	3,99	10.1016/j.colsurfa.2020.125969	Q2
39	Laura Bulgariu, D.I. Fertu, I.G. Cara, M. Gavrilescu	D.I.Fertu/Univ. Galati; Cara/USAMV	Efficacy of Alkaline-Treated Soy Waste Biomass for the Removal of Heavy-Metal Ions and Opportunities for Their Recovery	Articol	Materials	1996-1944	14	2021	7413	3.623	10.3390/ma14237413	Q1
40	Rusu, L.; Grigoras, C.-G.; Simion, A.-I.; Suceveanu, E.-M.; Blaga, A.-C.; Harja, M.	Rusu, L./Bacau Grigoras, C.-G./Bacau Simion, A.-I./Bacau Suceveanu, E.-M./Bacau Blaga, A.-C./Tulasi Harja, M./Tulasi	Encapsulation of Saccharomyces pastorianus Residual Biomass in Calcium Alginate Matrix with Insights in Ethacridine Lactate Biosorption.	Articol	Polymers	2073-4360	14(1)	2022	170	4,329	https://doi.org/10.3390/polym14010170	Q1
41	Parascanu M.M., Sanchez N., Sandoval-Salas F., Carreto C.M., Soreanu G., Sanchez-Silva L.	Parascanu/Spain; Sanchez/Colombia; Sandoval-Salas, Carreto/Mexico; Soreanu/TUIASI; Sanchez-Silva/Spain	Environmental and economic analysis of bioethanol production from sugarcane molasses and agave juice	Articol	Environmental Science and Pollution Research	0944-1344	28(45)	2021	64374-64393	4,223	doi.org/10.1007/s11356-021-15471-4	Q2
42	Bottaucsi, S.(1), Ungureanu-Comanita, E.D.(2), Gavrilescu, M.(2), Bonoli, A.(1)	(1) Universitatea Bologna, Italia; (2) Universitatea Tehnica "Gheorghe Asachi" din Iasi	Environmental impacts quantification of PVC production	Articol	Environmental Engineering and Management Journal	1582-9596	vol 20, nr. 10	2021	1693-1702	0,916		Q4
43	Neamtu R., Sluser B*, Plavan O., Teodosiu C.,*	Neamtu R., Sluser B*, Plavan O., Teodosiu C.,*/TUIASI	Environmental monitoring and impact assessment of Prut river cross-border pollution	articol	Environmental Monitoring and Assessment	0167-6369	340, Volume 193(6)	2021	1-16	1,903	https://doi.org/10.1007/s10661-021-09110-1	Q3
44	I.G. Cara, M. Filip, Laura Bulgariu, L. Raus, D. Topa, G. Jitäreanu	I.G. Cara, M. Filip, L. Raus, D. Topa, G. Jitäreanu/USAMV	Environmental Remediation of Metribuzin Herbicide by Mesoporous Carbon - Rich from Wheat Straw	Articol	Applied Sciences	2076-3417	11	2021	4935	2,679	10.3390/app11114935	Q2
45	C.D. Radu, L. Vereștiuc, E. Ulea, F.D. Lipsa, V. Vulpe, C. Munteanu, Laura Bulgariu, S. Pașca, C. Tamas, B.M. Ciuntu, M. Ciocan, I. Sirbu, E. Gavrilas, C.V. Macarel, B. Istrate	L.Vereștiuc, C.Tamas, B.M. Ciuntu/UMF; V. Vulpe, S. Pașca, M. Ciocan, I. Sirbu, E. Gavrilas/USAMV	Evaluation of Keratin/Bacterial Cellulose Based Scaffolds as Potential Burned Wound Dressing	Articol	Applied Sciences	2076-3417	11	2021	1995	2,679	10.3390/app11051995	Q2
46	Stoica I, Epure EL, Constantin CP, Damaceanu MD, Ursu EL, Sava I, P. Poni Iasi), Mihaila I (UAIC Iasi)	Stoica I, Constantin CP, Damaceanu MD, Ursu EL, Sava I, P. Poni Iasi), Mihaila I (UAIC Iasi)	Evaluation of local mechanical and chemical properties via AFM as a tool for understanding the formation mechanism of pulsed UV laser-nanoinduced patterns on azo-naphthalene-based polyimide films	articol	Nanomaterials	2079-4991	13, 8	2021	23	5,76	10.3390/nano11030812	Q2
47	C.V. Andritoiu, C. Lungu, M. Danu, B. Ivanescu, C.E. Andriescu, L. Vlaso, C. Havarneanu, C.E. Iurciuc (Tincu), M. Popa	Andritoiu/Apitherapy Medical Center, UVVG, Lungu/UMF, Ivanescu/UMF, Andriescu/Spital Sf. Spiridon, Vlaso/UMF-IH, Havarneanu/UAIC	Evaluation of the healing effect of ointments based on bee products on cutaneous lesions in Wistar rats	Articol	Pharmaceuticals	1424-8247	14, 1146	2021	24	5,863	10.3390/ph14111146	Q1
48	C.V. Andritoiu, C.E. Andriescu, M. Danu, C. Lungu, B. Ivanescu, C. Havarneanu, M. Popa	Andritoiu/Apitherapy Medical Center, UVVG, Andriescu/Spital Sf. Spiridon, Lungu/UMF, Ivanescu/UMF, Havarneanu/UAIC	Evaluation of the wound healing potential of some natural polymers on three experimental models	Articol	Pharmaceuticals	1424-8247	14, 465	2021	17	5,863	10.3390/ph14050465	Q1
49	Harja M., Buema G., Lupu N., Chiriac H., Herea D.D., Ciobanu G.	Harja M./Tulasi, Buema G./Fiz. Tehn., Lupu N./Fiz. Tehn., Chiriac H./Fiz. Tehn., Herea D.D./Fiz. Tehn., Ciobanu G./Tulasi	Fly ash coated with magnetic materials: improved adsorbent for Cu (II) removal from wastewater	Articol	Materials	1996-1944	14(1)	2021	17	3,623	https://dx.doi.org/10.3390/ma14010063	Q1
50	Puțel, AC; Suditu, GD; Nechita, MT; Gavrilescu, D	TUIASI	Fractionation of agricultural waste biomass by means of integrated biorefinery concept	articol	Environmental Engineering and Management Journal	1582-9596	3(20)	2021	389-396	0,916		Q4
51	Vassehghian Y, Dragoi EN, Almomani F, Le VT, Berkani M	Vassehghian/Duy Tan University, Almomani/Qatar University, Le/Duy Tan University, Berkani/Ecole Nationale Supérieure de Biotechnologie	Graphene-based membrane techniques for heavy metal removal: A critical review	Review	Environmental Technology and Innovation	2352-1864	24, art no. 101863	2021		5,263	10.1016/j.eti.2021.101863	Q1
52	Le VT, Almomani F, Vassehghian Y*, Vilas-Boas JA, Dragoi EN*	Le/Duy Tan University, Almomani/Qatar University, Vassehghian/Duy Tan University, Vilas-Boas/Universidade Federal de Juiz	Graphene-based nanomaterial for desalination of water: A systematic review and meta-analysis	Review	Food and Chemical Toxicology	0278-6915	148, art no 111964	2021		6,023	10.1016/j.fct.2020.111964	Q1
53	Popescu, V., Blaga, A.C., Pruneanu, M., Cristian, I.N., Pislaru, M., Popescu, A., Rotaru, V., Cretescu, I., Cascaval, D.	Popescu, Blaga, Pruneanu, Cristian, Pislaru, Popescu, Rotaru, Cretescu, Cascaval/TUIASI	Green chemistry in the extraction of natural dyes from colored food waste, for dyeing protein textile materials	Articol	Polymers	2073-4360	13(22), 3867	2021	-	4,329	doi.org/10.3390/polym13223867	Q1
54	Dumitriu (Gabur) G.D., Teodosiu C*, Morosanu I., Plavan O., Gabur, I., Cotea V. V.	Dumitriu (Gabur) G.D., Teodosiu C*, Morosanu I., Plavan O./TUIASI; Gabur, I., Cotea V. V./"Ion Ionescu de la Brad" University of Agricultural Sciences and Veterinary Medicine of Iasi	Heavy metals assessment in the major stages of winemaking: chemometric analysis and impacts on human health and environment	articol	Journal of Food Composition and Analysis	0889-1575	103935, Volume 100	2021	1-13	3,721	https://doi.org/10.1016/j.jfca.2021.103935	Q1
55	Nica I, Zaharia C*, Suteu D.	Nica,Zaharia,Suteu/UTIASI	Hydrogel Based on Tricarboxyl-Cellulose and Poly(Vinyl Alcohol) Used as Biosorbent for Cobalt Ions Retention	Articol	Polymers (MDPI)	2073-4360	13(9)	2021	1444 (15 pp.)	4,329	10.3390/polym13091444	Q1
56	Peptu C.A., Băcălăț E.S., Logigan C.-L.S., Luțcanu M., Agop M.	Peptu C.A., Băcălăț E.S., Logigan C.-L.S., Luțcanu M., Agop M.	Hydrogels based on alginates and carboxymethyl cellulose with modulated drug release—an experimental and theoretical study.	Articol	Polymers	2073-4360	13(24)	2021	16	4,329	10.3390/polym13244661	Q1
57	Bejenari I, Dinu R., Montes S., Volf I., Mija A.	Dinu, Mija/UCotedeAzur, Montes/CIDETEC Spain	Hydrothermal carbon as reactive fillers to produce sustainable bio-composites with aromatic biobased epoxy resins	articol	Polymers	2073-4360	13 (2)	2021	240	4,329	doi:10.3390/polym13020240	Q1
58	A.R. Lucaci, D. Bulgariu, Laura Bulgariu	D.Bulgariu/UAIC	In Situ Functionalization of Iron Oxide Particles with Alginate: A Promising Biosorbent for Retention of Metal Ions	Articol	Polymers	2073-4360	13	2021	3554	4,329	10.3390/polym13203554	Q1
59	Harja M., Tataru-Farmus R., Huftuana Droniuc E., Gomez de Castro C., Ciobanu G., Lazar L.	Harja M./Tulasi, Tataru-Farmus R./Tulasi, Huftuana Droniuc E./Tulasi, Gomez de Castro C./Madrid Spain, Ciobanu G./Tulasi, Lazar L./Tulasi	Influence of ethylenediamine content over performance of CO2 absorption into potassium carbonate solutions	Articol	Environmental Engineering and Management Journal	1582-9596	20(4)	2021	507-516	0,916		Q4
60	Soreanu G., Cretescu I., Diaconu M., Cojocaru C., Ignat M., Samoila P., Harabagiu V.	Soreanu, Cretescu, Diaconu/TUIASI, Cojocaru, Ignat, Samoila, Harabagiu/P.Poni	Investigation of a biosystem based on Arthrospira platensis for air revitalisation in spacecrafts: Performance evaluation through response surface methodology	Articol	Chemosphere	0045-6535	264, Part 2	2021	-	7,086	doi.org/10.1016/j.chemosphere.2020.128465	Q1
61	E.I. Chereches, D. Bejan, C. Ibanescu, M. Danu, A.A. Minea	Bejan/ICMPP	Ionofluids with [C2min][CH3SO3] ionic liquid and alumina nanoparticles: An experimental study on viscosity, specific heat and electrical conductivity	Articol	Chemical Engineering Science	0009-2509	229	2021	10	4,311	10.1016/j.ces.2020.116140	Q2
62	Parascanu M.M., Kaltschmitt M., Rödl A., Soreanu G., Sánchez-Silva L.	Parascanu/Spain; Kaltschmitt, Rödl/Germany; Soreanu/Tulasi, Sánchez-Silva/Spain	Life cycle assessment of electricity generation from combustion and gasification of biomass in Mexico	Articol	Sustainable Production and Consumption	2352-5509	27	2021	72–85	5,032	doi.org/10.1016/j.spc.2020.10.021	Q1
63	Manca M.L.,Ferraro M., Pace E., Di Vincenzo S.,Valenti D., Fernandez-Busquets X., Peptu C.A.,Manconi M.	Manca, Ferraro, Pace, Vincenzo, Valenti, Manconi/Univ of Cagliari, Busquets/University of Barcelona	Loading of beclomethasone in liposomes and hyalurosomes improved with mucin as effective approach to counteract the oxidative stress generated by cigarette smoke extract	Articol	Nanomaterials	2079-4991	11(4)	2021	13	5,076	10.3390/nano11040850	Q1
64	Anton C, Curteanu S, Lisa C, Leon F	Anton, Curteanu, Lisa, Leon/Tulasi	Machine Learning Methods Applied for Modeling the Process of Obtaining Bricks Using Silicon-Based Materials	Articol	Materials	1996-1944	23,14	2021	7232	3,623	10.3390/ma14237232	Q1
65	Băcălăț E.S., Peptu C.A., Logigan C.-L.S., Luțcanu M., Agop	TUIASI	Manifest/non-manifest drug release patterns from polysaccharide based hydrogels—case study on cyclodextrin—k carrageenan crosslinked hydrogels	Articol	Polymers	2073-4361	13 (23)	2021	22	4,329	10.3390/polym13234147	Q1
66	Lazar RG, Blaga AC, Dragoi EN, Galactian AI, Cascaval D	Lazar RG, Blaga AC, Dragoi EN, Galactian AI, Cascaval D/TUIASI	Mechanism, influencing factors exploration and modelling on the reactive extraction of 2-ketogluconic acid in presence of a phase modifier	Articol	Separation and purification technology	1383-5866	volume 255, art 117740	2021		7,312	10.1016/j.seppur.2020.117740	Q1
67	Ciobanu CI., Berfadean I., Epure E.-L., Simion A., Lisa G., Boussoalem Y., Carlescu I.	Ciobanu/UAIC, Berfadean, Epure, Simion, Lisa, Carlescu/Tulasi, Boussoalem/Univ. du Littoral-Cote-d'Opale	Mesomorphic and Thermal Behavior of Symmetric Bent-Core Liquid Crystall Compounds Derived from Resorcinol and Isonaphthalic Acid	Articol	Crystals	2073-4352	11(10)	2021	1215	2,589	10.3390/cryst11101215	Q2

68	Godini K, Azarian G, Kimiaei A, Dragoi EN, Curteanu S	Godini/Kurdistan University of Medical Sciences; Azarian/Hamadan University of Medical Sciences; Kimiaei/Hamadan Industrial Estate Company	Modeling of a real industrial wastewater treatment plant based on aerated lagoon using a neuro-evolutionary technique	Article	Process Safety and Environmental Protection	0957-5820	148	2021	114-124	6,158	10.1016/j.psep.2020.09.057	Q1
69	Galaction, Anca-Irina, Blaga, Alexandra Cristina, Tucaliuc, Alexandra, Kloetzer, Lenuta, Cascaval, Dan	AIG/UMF	Modelling of ergosterol production by <i>S. cerevisiae</i> in presence of n-dodecane as oxygen-vector	article	ROMANIAN BIOTECHNOLOGICAL LETTERS	1224-5984	26, 2	2021	2464-2470	0,765	10.25083/rbl/26.2/2464.2470	Q4
70	Elena-Florentina Grosu, Jean-Sébastien Girardon, Gabriela Carja, Renato Froidevaux	Elena-Florentina Grosu/TUIASI, Jean-Sébastien Girardon/Univ. Lille, Gabriela Carja/TUIASI, Renato Froidevaux/Univ. Lille	NADH Regeneration Promoted by Solar Light Using Gold Nanoparticles/Layered Double Hydroxides as Novel Photocatalytic Nanoplatfoms	Article	ChemistrySelect	ISSN:2365-6549	Volume6, Issue39	2021	10514-10523	2,109	https://doi.org/10.1002/slct.202102221	Q2
71	Mazurchevici S-N, Motas J-G, Diaconu M., Lisa G., Lohan N.M., Glod M., Nedelcu D.	Mazurchevici, Motas, Diaconu, Lohan, Lisa, Nedelcu/TUIASI, Glod/UMF Iasi	Nanocomposite Biopolymer Arbolend V2 Nature AgNPs	Article	Polymers	2073-4360	13 (17)	2021	2932	4,329	10.3390/polym13172932	Q1
72	Ghiba L, Dragoi EN, Curteanu S	Ghiba L, Dragoi EN, Curteanu S/TUIASI	Neural network-based hybrid models developed for free radical polymerization of styrene	Article	Polymer engineering and science	0032-3888	61(3)	2021	716-730	2,428	10.1002/pen.25611	Q3
73	Erdogmus E., Harja M., Gencel O., Sutcu M., Yaras A.,	Erdogmus E./Turkey Harja M., *TUIASI Gencel O./Turkey Sutcu M./Turkey Yaras A./Turkey	New construction materials synthesized from water treatment sludge and fired clay brick wastes,	Article	Journal of Building Engineering,	2352-7102	42	2021	102471	5,318	https://doi.org/10.1016/j.jobbe.2021.102471	Q1
74	Rosca, M.(1,2), Cozma, P. (1), Minut, M.(1), Hiltor, R.M.(1,2), Betianu, C.(1), Diaconu, M.(1), Gavrilescu, M. (1)	(1) Universitatea Tehnica "Gheorghe Asachi" din Iasi; (2) Universitatea de Stiinta ale Vietii Iasi	New evidence of model crop Brassica napus L. in soil clean-up: comparison of tolerance and accumulation of Lead and Cadmium	Article	Plants-Basel	2223-7747	Vol. 10, nr. 10	2021	online, 23 pagini	3,935	10.3390/plants10102051	Q1
75	Epure EI, Stoica I, Albu RM, Hulubei C, Barzic AI	Stoica I, Albu RM, Hulubei C, Barzic AI / P Poni Iasi	New strategy for inducing surface anisotropy in polyimide films for nematics orientation in display applications	article	Nanomaterials	2079-4991	11, 11	2021	18	5,076	10.3390/nano11113107	Q2
76	Nouj, N., Hafid, N., Alem, N.E., Cretescu I.	Nouj, Hafid, Alem/Maroc, Cretescu/TUIASI	Novel liquid chitosan-based bioagulant for treatment optimization of fish processing wastewater from a Moroccan plant	Article	Materials	1996-1944	14(23), 7133	2021	-	3,623	doi.org/10.3390/ma14237133	Q1
77	K. Kondratenko, I. Carlescu, P.-E. Danjou, Y. Boussoualem, A. Simon, B. Duponchel, J.F. Blach, C. Legrand, N. Hurdud, A. Daoudi	Kondratenko (U.Littoral), Danjou (U.Littoral), Boussoualem (U.Littoral), Duponchel (U.Littoral), Blach (U.Littoral), Legrand (U.Littoral), Daoudi (U.Littoral)	Novel organic semiconductor based on 2-aminoanthracene: synthesis, charge transporting and photoconductive properties.	Article	Physical Chemistry Chemical Physics	1463-9076 (print); 1463-9084 (web)	23	2021	9	3,676	10.1039/D1CP01427G	Q1
78	Vasilachi, I.C., Asminicesei, D.M., Fertu, D.J., Gavrilescu, M.	Universitatea Tehnica "Gheorghe Asachi" din Iasi	Occurrence and fate of emerging pollutants in water environment and options for their removal	Review	Water	2073-4441	vol. 13, nr. 19	2021	on line, 34 pagini	3,103	10.3390/w13020181	Q2
79	M. Chereches, C. Ibanescu, M. Danu, E.I. Chereches, A.A. Minea	TUIASI	PEG 400-based phase change materials nano-enhanced with alumina: an experimental approach	Article	Alexandria Engineering Journal	1110-0168		2021	12	3,732	10.1016/j.aej.2021.12.029	Q1
80	Buema G., Lupu N., Chiriac H., Ciobanu G., Bucur R.D., Bucur D., Favier L., Harja M.	Buema G./Fiz. Tehn., Lupu N./Fiz. Tehn., Chiriac H./Fiz. Tehn., Ciobanu G./TUIASI, Bucur R.D./USAMV Iasi, Bucur D./USAMV Iasi, Favier L./Rennes France, Harja M./TUIasi	Performance assessment of five adsorbents based on fly ash for removal of cadmium ions	Article	Journal of Molecular Liquids	0167-7322	333	2021	15	6,165	https://doi.org/10.1016/j.molliq.2021.115932	Q1
81	Cheshmazar E., Arfaeina L., Vasseghian Y., Ramavandi B., Moradi M., Hashemi SE, Asgari E., Arfaeina H., Dragoi EN, Khaneghah AM	Cheshmazar/School of Public Health, Iran University of Medical Sciences, Arfaeina/Azad University-Bushehr Branch, Vasseghian/Duy Tan University, Ramavandi/Bushehr University of Medical Science, Moradi/Bushehr University of Medical Science, Hashemi/Bushehr University of Medical Science, Asgari/Khoy University of Medical Sciences, Arfaeina/Bushehr University of Medical Science, Khaneghah/State University of Campinas	Phthalate acid esters in pickled vegetables packaged in polyethylene terephthalate container: Occurrence, migration and estrogenic activity-associated risk assessment	Review	Journal of Food Composition and Analysis	0889-1575	99, 103880	2021		4,556	10.1016/j.jfca.2021.103880	Q1
82	Bejenari V., Marcu A., Ipate A-M., Rusu D., Tudorachi N., Anghel I., Șofran I-E., Lisa G.	Bejenari, Marcu, Lisa/TUIASI, Ipate, Rusu, Tudorachi/ICMP, Anghel, Șofran/Academia de Politie Al.I. Cuza	Physicochemical characterization and energy recovery of spent coffee grounds	Article	Journal of Materials Research and Technology	2238-7854	15	2021	4437-4451	5,039	10.1016/j.jmrt.2021.10.064	Q1
83	C Ciotonea, A Chiriac, B Dragoi, J Dhainaut, M Marinova, S Promier, S Ari-Claeans, JP Dacquín, E Dumitriu, A Ungureanu, S Royer	C Ciotonea/U LILLE, J Dhainaut/U LILLE, M Marinova/U LILLE, S Promier/ U POITIER, S Ari-Claeans/U LILLE, JP Dacquín/U LILLE, S Royer/U LILLE	Playing on 3D spatial distribution of Cu-Co (oxide) nanoparticles in inorganic mesoporous sieves: Impact on catalytic performance toward the cinnamaldehyde hydrogenation	Article	Applied Catalysis A, General	0926-860X	623	2021	118303	5,706	10.1016/j.apcata.2021.118303	Q1
84	Petria L.-M., Bucatariu F., Mihai M.*, "Petru Poni" Institute of Macromolecular Chemistry; Teodosiu C*/TUIASI	Petria L.-M., Bucatariu F., Mihai M.*, "Petru Poni" Institute of Macromolecular Chemistry; Teodosiu C*/TUIASI	Polyelectrolyte multilayers: An overview on fabrication, properties, and biomedical and environmental applications	review	Materials	1996-1944	14(15), 4152	2021	1-29	3,623	https://doi.org/10.3390/ma14154152	Q1
85	Blaga A.C., Zaharia C., Suteu D.	Blaga,Zaharia,Suteu/Utlasi	Polysaccharides as Support for Microbial Biomass-Based Adsorbents with Applications in Removal of Heavy Metals and Dyes	Article	Polymers (MDPI)	2073-4360	13(17)	2021	2893 (20 pp.)	4,329	10.3390/polym13172893	Q1
86	Abdullah T.A, Juzsakova T, Rasheed R.T, Salman A.D, Sebestyen D, Domokos E, Sluser B, Cretescu I	Abdullah, Juzskova, Sebestyen, Domokos - University of Pannonia, Hungary; Salman - University of Technology Bagdad; TUIASI	Polystyrene-Fe3O4-MWCNTs Nanocomposites for Toluene Removal from Water,	article	Materials 2021, 14, 5503	1996-1944	14(19), 5503	2021	21	3,623	https://doi.org/10.3390/ma14195503	Q2
87	T. A. Abdullah, R. T. Rasheed, T. Juzsakova, N. Al-Jammal, M. A. Mallah, L. P. Cuong, A. D. Salman, E. Domokos, I. Cretescu	Abdullah/Hungary, Rasheed/Iraq, Juzsakova, Al-Jammal/Hungary, Mallah/Iraq, Cuong/Vietnam, Salman, Domokos/Hungary, Cretescu/TUIASI	Preparation and characterization of MnO2-based nanoparticles at different annealing temperatures and their application in dye removal from water	Article	International Journal of Environmental Science and Technology	1735-1472	v.18 no.6	2021	1499-1512	2,86	doi.org/10.1007/s13762-020-02956-x	Q2
88	A. Danila, E.I. Muresan, S.-A. Ibanescu, A. Popescu, M. Danu, C. Zaharia, G.C. Turkoglu, G. Erkan, A.-I. Staras	Ibanescu/ICMP, Popescu/INCDTP, Turkoglu/DEU, Erkan/DEU, Staras/KCF	Preparation, characterization, and application of polysaccharide-based emulsions incorporated with lavender essential oil for skin-friendly cellulosic support	Article	International Journal of Biological Macromolecules	0141-8130	191	2021	9	6,953	10.1016/j.jbiomac.2021.09.090	Q1
89	Anghel I., Lisa G., Șofran I.-E., Mitroi-Symeonidis F.-C., Rusu M.M., Baia M., Baia L., Magyari K., Dancu V., Cotet I.C., Stroer M., Balbarac M	Anghel, Șofran, Mitroi-Symeonidis/Academia de Politie Al.I. Cuza, Lisa/TUIASI, Rusu, Magyari, Baia, Dancu, Cotet/IBB, Baia/IBB, Stroer, Balbarac/Natl Inst Mat Phys	Pyrolysis and combustion of polystyrene composites based on graphene oxide functionalized with 3-(methacryloyloxy)propyltrimethoxysilane	Article	JOURNAL OF POLYMER ENGINEERING	0334-6447	41(7)	2021	615-626	1,267	10.1515/polyeng-2021-0071	Q4
90	Silvia Curteanu, Florin Leon, Andra-Maria Mircea Vicoveanu	TUIASI	Regression Methods Based on Nearest Neighbors with Adaptive Distance Metrics Applied to a Polymerization Process	article	Mathematics	2227-7390	9	2021	20	1,747	/doi.org/10.3390/math9050547	Q1
91	Buema, G., Trifas, L.-M.; Harja, M.,	Buema, G./Fiz Teh Trifas, L.-M./TUIasi Harja, M./TUIasi	Removal of Toxic Copper Ion from Aqueous Media by Adsorption on Fly Ash-Derived Zeolites: Kinetic and Equilibrium Studies	Article	Polymers	2073-4360	13(20)	2021	6468	4,329	https://doi.org/10.3390/polym13203468	Q1
92	Strungaru S.A, Pohontiu C.M., Nicora M*, Teodosiu C., Baltag E.S., Jijie R., Plavan G., Paciogu O., Faggio C*.,	Strungaru S.A./Alexandru Ioan Cuza University of Iasi; Pohontiu C.M./University Stefan cel Mare of Suceava; Nicora M.*/Plavan G., Baltag E.S./Alexandru Ioan Cuza University of Iasi; Teodosiu C./TUIASI; Paciogu O./National Institute of Research and Development for Biological Sciences; Faggio C./University of Messina, Italy	Response of aquatic macroinvertebrates communities to multiple anthropogenic stressors in a lowland tributary river	article	Environmental Toxicology and Pharmacology	1382-6689	Volume 87, 103687	2021	1-9	3,292	https://doi.org/10.1016/j.etap.2021.103687	Q1
93	Dragoi EN, Dafinescu V	Dafinescu/OBLU Iasi	Review of Metaheuristics Inspired from the Animal Kingdom	Review	Mathematics	2227-7390	9(18), 2335	2021		2,258	10.3390/math9182335	Q1

94	M.-F. Zaltariu, D. Filip, D. Macocinschi, C. Ibanescu, M. Danu, L. Sacarescu	Zaltariu/CMPP, Filip/CMPP, Macocinschi/CMPP, Ibanescu/CMPP, Danu/CMPP	Self-assembly and rheological behavior of chlorophenicol-based poly(ester ether)urethanes	Article	Journal of Polymer Research	1022-9760	28-190	2021	15	3,097	10.1007/s10965-021-02545-7	Q2
95	Tanasa A, Puteal A.C., Zaharia C., Suteu D.*	Tanasa,Puteal,Zaharia,Suteu/UTIASI	Sorption of reactive dyes from aqueous media using the lavender waste as biosorbent	Article	Desalination and Water Treatment	1944-3994	236	2021	348-358	1,32	10.5004/dwt.2021.27700	Q3
96	Olariu MA, Hamciuc C, Asandulesa M, Hamciuc E., Epure E-L, Tsakiris V, Lisa G	Olariu, Epure, Lisa / UTIASI, Hamciuc, Asandulesa, Hamciuc/CMPP, Tsakiris/INCIE	Study on highly thermostable low-k polymer films based on fluorene-containing polyetherimides	Article	Polymer Engineering and Science	0032-3888	61(10)	2021	2639-2652	2,428	10.1002/pen.25792	Q3
97	Todaro F., Băjirveanu G., De Gisi S., Teodosiu C*, Notarnicola M	Todaro F., De Gisi S., Notarnicola M/ Politecnico University of Bari; Băjirveanu G., Teodosiu C*/UTIASI	Sustainability assessment of reactive capped alternatives for the remediation of contaminated marine sediments	article	Journal of Cleaner Production	0959-6526	124946 Volume 286	2021	1-15	9,297	https://doi.org/10.1016/j.jclepro.2020.124946	Q1
98	Gavrilescu D., Enache A, Ibanescu D., Teodosiu C*, Fiore S.*	Gavrilescu D., Enache A, Ibanescu D., Teodosiu C*/UTIASI; Fiore S./Politecnico di Torino.	Sustainability assessment of waste electric and electronic equipment management systems: development and validation of the SUSTWEEE methodology	article	Journal of Cleaner Production	0959-6526	127214 Volume 306	2021	1-14	9,297	https://doi.org/10.1016/j.jclepro.2021.127214	Q1
99	Filote, C. (1), Rosca, M.(1), Hilihor, R.M.(1), Cozma, P.(2), Simion, I.M.(1), Apostol, M.(1), Gavrilescu, M.(2)	(1) Universitatea de Stiinta ale Vietii Iasi; (2) Universitatea Tehnica "Gheorghe Asachi" din Iasi	Sustainable Application of Biosorption and Bioaccumulation of Persistent Pollutants in Wastewater Treatment: Current Practice	Review	Processes	2227-9717	Vol. 9, nr. 10	2021	On line, 38 pagini	2,847	10.3390/pr9101696	Q3
100	Popescu, V., Bucicaneanu, I.I., Pruneanu, M., Maier, S.S., Danila, A., Maier, V., Părlaru, M., Rotaru, V., Cristian, I.N., Popescu, A., Istrate, B., Blaga, A.C., Ciolacu, F., Cretescu, I., Chelariu, P., Marin, M.	Popescu, Bucicaneanu, Pruneanu, Maier, Danila, Maier, Părlaru, Rotaru, Cristian, Popescu, Istrate, Blaga, Ciolacu, Cretescu, Chelariu, Marin/UTIASI	Sustainable functionalization of PAN to improve tinctorial capacity	Article	Polymers	2073-4360	13(21), 3665	2021	-	4,329	DOI: 10.3390/polym13213665	Q1
101	M. Keshavarz, R. Foroutan, F. Papari, Laura Bulgaru, H. Esmaili	M. Keshavarz, R. Foroutan, F. Papari, H. Esmaili/Islamic Azad University, Iran.	Synthesis of CaO/Fe2O3 nanocomposite as an efficient nanoadsorber for the treatment of wastewater containing Cr(III)	Article	Separation Science and Technology	1520-5754	56(8)	2021	1328-1341	2,475	10.1080/01496395.2020.1778727	Q3
102	Butnaru I., Chiriac A-P., Asandulesa M., Sava I, Lisa G, Damaceanu M-D.	Butnaru, Chiriac, Asandulesa, Sava, Damaceanu/CMPP, Lisa/UTIASI	Tailoring poly (ether-imide) films features towards high performance flexible substrates	Article	Journal of Industrial and Engineering Chemistry	1226-086X	93	2021	436-447	6,064	10.1016/j.jiec.2020.10.023	Q1
103	Iacob Tudose E.T., Malmaliga I., Iosub A.	UTI	TES Nanoemulsions: A Review of Thermophysical Properties and Their Impact on System Design	Review	Nanomaterials	2079-4991	11(12),3415	2021	1-40	5,076	https://doi.org/10.3390/nano11123415	Q1
104	Zaharia C., Leon F., Curteanu S., Iacob-Tudose E.T.*	Zaharia,Leon,Curteanu,Iacob-Tudose/UTIASI	Textile Wastewater Treatment in a Spinning Disc Reactor: Improved Performances—Experimental, Modeling and SVM Optimization	Article	Processes (MDPI)	2227-9717	9	2021	2003 (23 pp.)	2,847	10.3390/pr9112003	Q1
105	Matin B.K., Shakiba E., Moradi M., Zeresghi E., Karami A., Vasseghian Y., Dragoi E.-N., Khaneghah A.M.	Matin/Kermanshah University of Medical Sciences, Shakiba/State University of Campinas, Moradi/Kermanshah University of Medical Sciences, Zeresghi/Kermanshah University of Medical Sciences, Karami/Kermanshah University of Medical Sciences, Vasseghian/Duy Tan University Khaneghah A.M.	The concentration of estrogen in water resources: a systematic review and meta-analysis	Review	International Journal of Environmental Analytical Chemistry	0306-7319	101(15)	2021	2937-2946	1,267	10.1080/03067319.2019.1704749	Q4
106	Vasseghian Y., Hosseinzadeh S, Khataee A, Dragoi EN	Vasseghian/Duy Tan University, Hosseinzadeh/University of Tabriz, Khataee/University of Tabriz	The concentration of persistent organic pollutants in water resources: A global systematic review, meta-analysis and probabilistic risk assessment	Review	Science of The Total Environment	0048-9697	76, art no 149000	2021		7,963	10.1016/j.scitotenv.2021.149000	Q1
107	Berkani M, Vasseghian Y, Le VT, Dragoi EN, Khaneghah AM	Berkani/Ecole Nationale Sup'erieure de Biotechnologie, Vasseghian/Duy Tan University, Le/Duy Tan University, Khaneghah/State University of Campinas	The Fenton-like reaction for Arsenic removal from groundwater: Health risk assessment	Article	Environmental Research	2352-1864	202, art no 111698	2021		6,498	10.1016/j.envres.2021.111698	Q1
108	Mihăilă A., Danu M, Ibanescu C, Anghel I, Șofran E, Balanescu LV., Tudorachi N., Lisa G.	Mihaila, Danu, Ibanescu, Lisa/UTIASI, Anghel, Șofran, Balanescu/Academia de Politie A.I. Cuza, Tudorachi/CMPP	Thermal characterization and rheological behavior of some varnishes and paints used for wood protection	Article	International Journal of Environmental Science and Technology	1735-1472	5,08	2021	1_16	2,86	10.1007/s13762-021-03579-6	Q3
109	Sescu, A.M.; Favier, L./Lutic, D.; Soto-Donoso, N.; Ciobanu, G.; Harja, M.*	Sescu, A.M./Tulasi; Favier, L./Rennes France;Lutic, D./UAIC; Soto-Donoso, N./Rennes France; Ciobanu, G./Tulasi; Harja, M.*/Tulasi;	TiO2 Doped with Noble Metals as an Efficient Solution for the Photodegradation of Hazardous Organic Water Pollutants at Ambient Conditions.	Article	Water	2073-4441	13(1)	2021	18	3,103	https://doi.org/10.3390/w13010019	Q2
110	Stoian M., Roge V., Lazar L., Maurer T., Vedrine J.C., Marcu I.C., Fecheté I.	Stoian M./UB, Roge V./Luxembourg, Lazar L./UTIASI, Maurer T./Franta, Vedrine J.C./Franta, Marcu I.C./UB, Fecheté I./Franta	Total Oxidation of Methane on Oxide and Mixed Oxide Ceria-Containing Catalysts	Review	Catalysts	2073-4344	4, 11	2021	Art. 427	4,146	10.3390/catal11040427	Q2
111	Suditu, GD; Puteal, AC; Chesca, AM; Gavrilescu, D	TUIASI	Treatment of corn stalk pulping effluent by electro-coagulation	article	Environmental Engineering and Management Journal	1582-9597	3(20)	2021	347-353	0,916		Q4
112	Daraban G.M., Zaharia C., Rusu L., Puteal A.C., Badeanu M., Suteu D.*	Daraban,Zaharia,Puteal,Suteu/UTIASI; Rusu/UB Bacau; Badeanu/USV Iasi	Ultrasonic Extraction for preparation of plant extracts with bioinsecticidal effects on pest from seed deposits	Article	Studia UBB Chemia	1224-7154	LXVI (2)	2021	309-324	0,447	10.24193/subbchem.2021.2.27	Q4
113	Dinu R., Bejenari I., Volf I., Mița A.	Dinu, Mița/UCoteD'Azur	Vegetable Oil-Based Resins Reinforced with Spruce Bark Powder and with Its Hydrochar Lignocellulosic Biomass	article	Applied Science	2076-3417	11	2021	10649	2,679	https://doi.org/10.3390/app112210649	Q2
114	Iacob Tudose E.T.	TUIASI	An experimental study on spinning disc key parameters influencing its performance parameters	article	Studia UBB Chemia	2065-9520	4	2021	297-308	0,447		Q4

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1	Buema, G., Borhan, A.I.; Herea, D.D.; Stoian, G.; Chiriac, H.; Lupu, N.; Roman, T.; Pui, A.; Harja, M.; Gherca D.	Buema, G./Fiz. Teh. Borhan, A.I./Fiz. Teh. Herea, D.D./Fiz. Teh; Stoian, G./Fiz. Teh; Chiriac, H./Fiz. Teh; Lupu, N./Fiz. Teh; Roman, T./Fiz. Teh; Pui, A./UAIC; Harja, M./Tulasi; Gherca D. /Fiz. Teh.	Magnetic solid-phase extraction of cadmium ions by self-assembled multicore type nanobeads	Article	Polymers	2073-4360	13(1)	2021	16	4,329	https://doi.org/10.3390/polym13020229	Q1
2	Harja, M.; Teodosiu, C.; Isopescu, D.N.; Gencel, O.; Lutic, D.; Ciobanu, G.; Cretescu, I.	Harja, M./Tulasi Teodosiu, C./Tulasi Isopescu, D.N./Tulasi Gencel, O./Turkey Lutic, D./UAIC Ciobanu, G./Tulasi Cretescu, I./Tulasi	Using Fly Ash Wastes for the Development of New Building Materials with Improved Compressive Strength.	Article	Materials	1996-1944	15	2022	644	3,623	https://doi.org/10.3390/ma15020644	Q1
3	Vasseghian Y, Dragoi EN, Almomani F, Gholzadeh N, Lo DVN	Vasseghian/Duy Tan University,Almomani/Qatar University, Gholzadeh/Knowledge Transitions Institute, Lo/Nguyen Tat Thanh University	A global systematic review of the concentrations of Malathion in water matrices: Meta-analysis, and probabilistic risk assessment	Review	Chemosphere	0045-6535	art no 132789	2021		7,09	10.1016/j.chemosphere.2021.132789	Q1
4	Nechita Petronela, Roman Mirela, Ciolacu Florin	Nechita Petronela/UGAL Roman Mirela/UGAL Ciolacu Florin/TUIASI	A Renewable Material with Potential Properties for Food Packaging Applications	Article	Sustainability	ISSN: 2071-1050	13(24)	2021	16	3,251	su132413504	Q2
5	Le VT, Vasseghian Y*, Dragoi EN*, Moradi M, Khaneghah AM	Le VT, Vasseghian/Duy Tan University, Moradi M/Kermanshah University of Medical Sciences, Khaneghah/State University of Campinas	A review on graphene-based electrochemical sensor for mycotoxins detection	Review	Food and Chemical Toxicology	0278-6915	148, art no 111931	2021		6,023	10.1016/j.fct.2020.111931	Q1
6	Teodosiu C., Gavrilescu, M.	Universitatea Tehnica "Gheorghe Asachi" din Iasi	A special issue dedicated to the 10th International Conference on Environmental Engineering and Management, ICEEM10, 2019	Editorial	Environmental Engineering and Management Journal	1582-9596	vol. 20, Nr. 3	2021	331-334	0,916		Q3
7	Gutsanu V., Lisa G., Rusu D.	Gutsanu/Moldova State Univ, Lisa/Tulasi, Rusu/CMPP	Adsorption of Lanthanide(III) Cations on Cross-Linked Ionic Polymer, Composition and Thermal Analysis of the Formed Composites	Article	Colloid Journal	1061-933X	83(6)	2021	688-697	0,937	10.1134/S1061933X21060041	Q3

8	Buema G., Harja M., Lupu N., Chiriac H., Forminte L., Ciobanu G., Bucur D., Bucur R.D.	Buema G./Fiz. Tehn., Harja M./TUIasi, Lupu N./Fiz. Tehn., Chiriac H./Fiz. Tehn., Forminte L./TUIasi, Ciobanu G./TUIasi, Bucur D./USAMV Iasi, Bucur R.D./IASAMV Iasi	Adsorption performance of modified fly ash for copper ions removal from aqueous solution	Article	Water	2073-4441	13(2)	2021	17	3,103	https://doi.org/10.3390/w13020207	Q2
9	Nicu Raluca, Ciolacu Florin, Ciolacu Diana Elena	Nicu/ICMPP, Ciolacu F/TUIASI, Ciolacu Diana Elena /ICMPP	Advanced Functional Materials Based on Nanocellulose for Pharmaceutical/Medical Applications	Review	Pharmaceutics	1999-4923	13(8)	2021	57	6.321	pharmaceutics13081125	Q1
10	Ivaniciuc L., Sutiman D., Ciocinta R.C., Favier L., Sndrea G., Ciobanu G., Harja M.	Ivaniciuc L./TUIasi, Sutiman D./TUIasi, Ciocinta R.C./Directorate of Road and Bridge from Iasi, Favier L./Rennes France, Sndrea G./TUIasi, Ciobanu G./TUIasi, Harja M./TUIasi	Advanced recovery of calcium carbonate waste as a filler in waterborne paint	Article	Environmental Engineering and Management Journal	1582-9596	20(4)	2021	569-577	0.916		Q4
11	Dumitriu (Gabur) G.D., Teodosiu C*, Gabur I., Cotea V.V.	Dumitriu (Gabur) G.D., Teodosiu C*/TUIASI; Gabur, I., Valeriu V. Cotea V.V./Ion Ionescu de la Brad University of Agricultural Sciences and Veterinary Medicine of Iasi; Peinado R.A./University of Córdoba	Alternative Winemaking Techniques to Improve the Content of Phenolic and Aromatic Compounds in Wines	article	Agriculture	2077-0472	11 Volume 233	2021	1-15	2,072	https://doi.org/10.3390/agriculture110302330233	Q1
12	Bucataru F., Teodosiu C*, Morosanu I., Fighir D., Ciobanu R., Petrilă L-M, Mihai M.*	Bucataru F., Mihai M./"Petru Poni" Institute of Macromolecular Chemistry; Teodosiu C*, Morosanu I., Fighir D., Ciobanu R., Petrilă L-M./TUIASI	An overview on composite sorbents based on polyelectrolytes used in advanced wastewater treatment	review	Polymers	2073-4360	13(22), 3963;	2021		4,329	https://doi.org/10.3390/polym13223963	Q1
13	Andra-Maria Mircea-Vicoveanu , Elena Rezap, Florin Leon and Silvia Curteanu	Elena Rezap/UMF Iasi	Analyzing Tuberculosis Reactivation in Patients with Rheumatoid Arthritis and Ankylosing Spondylitis Treated with Biological Therapy Using Machine Learning Methods	article	Applied Science	2076-3417	11(23)	2021	24	2,679	https://doi.org/10.3390/app112311400	Q2
14	Rusu, L.; Grigoras, C.-G.; Simion, A.-I.; Suceveanu, E.M.; Şuteu, D.; Harja, M.	Rusu, L./Bacau Grigoras, C.-G./Bacau Simion, A.-I./Bacau Suceveanu, E.M./Bacau; Şuteu, D./TUIasi Harja, M./TUIasi	Application of Saccharomyces cerevisiae/Calcium Alginate Composite Beads for Cephalixin Antibiotic Biosorption from Aqueous Solutions.	Article	Materials	1996-1944	14	2021	4728	3,623	https://doi.org/10.3390/ma14164728	Q1
15	Buema G., Lisa G., Kotova O., Ciobanu G., Ivaniciuc L., Favier L., Harja M.	Buema G./TUIasi, Lisa G./TUIasi, Kotova O./Syktyvkar Russia, Ciobanu G./TUIasi, Ivaniciuc L./TUIasi, Favier L./Rennes France, Harja M./TUIasi	Application of thermal analysis to improve the preparation conditions of zeolitic materials from flying ash	Article	Environmental Engineering and Management Journal	1582-9596	20(3)	2021	377-388	0.916		Q4
16	Ghinea, C. (1), Cozma, P. (2), Gavrilescu, M. (2)	(1) Universitatea Stefan Cel Mare, Suceava, (2) Universitatea Tehnica "Gheorghe Asachi" din Iasi	Artificial neural network applied in forecasting the composition of municipal solid waste in Iasi, Romania	Article	Journal of Environmental Engineering and Landscape Management	1648-6897	vol. 29, Nr. 3	2021	368-380	1.373	10.3846/jeem.2021.15553	Q4
17	E.-I. Epure, S. D. Oniciuc, N. Hurduc, E. N. Drăgoi	TUIASI	Artificial Neural Network modeling of glass transition temperatures for some homopolymers with saturated carbon chain backbone	Article	Polymers	2073-4360	13	2021		4,329	10.3390/polym13244461	Q1
18	Le VT, Dragoi E-N, Almomani F, Vasseghian Y	Le/Duy Tan University, Almomani/Qatar University, Vasseghian/Duy Tan University	Artificial neural networks for predicting hydrogen production in catalytic dry reforming: A systematic review	Review	Energies	1996-1073	14(10):2894	2021		3,004	10.3390/en14102894	Q4
19	Anton N., Dragoi EN, Tarcoveanu F., Ciuntu RE, Lisa C, Curteanu S, Doroftei B, Ciuntu BN, Chiselă D, Bogdăniuc CM	Anton, Tarcoveanu, Ciuntu, Doroftei, Ciuntu, Chiselita, Bogdanicu/UMF Iasi, Dragoi, Lisa, Curteanu/TUIASI	Assessing Changes in Diabetic Retinopathy Caused by Diabetes Mellitus and Glaucoma Using Support Vector Machines in Combination with Differential Evolution Algorithm	Article	Applied Sciences	2076-3417	9.11	2021	3944	2,679	10.3390/app11093944	Q2
20	Constantin C-P, Lisa G, Damaceanu M-D	Constantin, Damaceanu/ICMPP, Lisa G/TUIASI	Assessing the Electrical Characteristics of p-n Heterojunction Prototype Diodes Realized with n-Type Polyimide Materials	Article	Macromolecules	0024-9297	54(2)	2021	941-957	5,985	10.1021/acs.macromol.0c01853	Q1
21	Musteret C.P., Morosanu I., Ciobanu R., Plavan O., Gherghel A., Al Refai M., Roman I., Teodosiu C.*	Musteret C.P., Morosanu I., Ciobanu R., Plavan O., Gherghel A., Al Refai M., Roman I., Teodosiu C.*/TUIASI	Assessment of coagulation flocculation process efficiency for the natural organic matter removal in drinking water treatment	article	Water	2073-4441	13(21), 3073	2021	1-16	3,103	https://doi.org/10.3390/w13213073	Q2
22	Baltatu M.S., Sandu A.V., Nabialek M., Vizureanu P., Ciobanu G.	Baltatu M.S./TUIasi, Sandu A.V./TUIasi, Nabialek M./Czesochowa Poland, Vizureanu P./TUIasi, Ciobanu G./TUIasi	Biomimetic deposition of hydroxyapatite layer on titanium alloy	Article	Micromachines	2072-666X	12(12)	2021	12	2,891	https://doi.org/10.3390/mi12121447	Q2
23	Filote, C., Santos, S.C.R., Popa, V.I., Botelho, C. Volfi	Santos, Botelho/UPorto	Biorefinery of marine macroalgae into high-tech bio-products: a review	review	Environmental Chemistry Letters	1610-3653	19	2021	969-1000	9,027	https://doi.org/10.1007/s10311-020-01124-4	Q1
24	Şuteu D., Zaharia C.*, Blaga A.C., Peptu A.C.	Suteu,Zaharia,Blaga,Peptu/UTIASI	Biosorbents based on residual biomass of Lactobacillus sp. bacteria consortium immobilized in sodium alginate for Orange 16 dye retention from aqueous solutions	Article	Desalination and Water Treatment	1944-3994	241	2022	1-10 (10 pp.)	1,32	10.5004/dwt.2022.28018	Q3
25	Tofan Lavinia, Bojogaă Carmen Nicoleta, Păduraru Carmen	Tofan Lavinia, Bojogaă Carmen Nicoleta, Păduraru Carmen/TUIASI	Biosorption the recovery and analysis of rare earth elements and platinum group metals from real samples. A review	Review	Environmental Chemistry Letters	1610-3653		2021		9,027	https://doi.org/10.1007/s10311-021-01330-8	Q1
26	Horciu L.I., Zaharia C.*, Blaga A.C., Rusu L., Suteu D.*	Horciu,Zaharia,Blaga, Suteu/UTIASI, Rusu/UB Bacau	Brilliant Red HE-3B Dye Biosorption by Immobilized Residual Consortium Bacillus sp. Biomass: Fixed-Bed Column Studies	Article	Applied Sciences (MDPI)	2076-3417	11	2021	4498 (15 pp.)	2,472	10.3390/app11104498	Q2
27	Noli, F., Fedorcea, V., Misaelides, P., Cretescu, I., Kapnisti, M.	Noli/Greece, Fedorcea/TUIASI, Misaelides/Greece, Cretescu/TUIASI, Kapnisti/Greece	Cesium and barium removal from aqueous solutions in the presence of humic acid and competing cations by a Greek bentonite from Kimolos Island	Article	Applied Radiation and Isotopes	0969-8043	170, 109600	2021	-	1,513	doi.org/10.1016/j.apradiso.2021.109600	Q2
28	C.S.Ciobanu, R. Copae, D. Bulgariu, Laura Bulgariu	D.Bulgariu/UAIAC	Comparative study of Pb(II) ions adsorption on pet fibers and flakes: isotherm, kinetic and mechanism considerations	Article	Desalination and Water Treatment	1944-3994	222	2021	375-385	1,254	10.5004/dwt.2021.27075	Q3
29	Suteu, Daniela, Blaga, Alexandra Cristina, Cimpoesu, Ramona, Putei, Adrian Catalin, Tataru-Farmus, Ramona-Flana	Suteu, Daniela, Blaga, Alexandra Cristina, Cimpoesu, Ramona, Putei, Adrian Catalin, Tataru-Farmus, Ramona-Flana	Composites Based on Natural Polymers and Microbial Biomass for Biosorption of Brilliant Red HE-3B Reactive Dye from Aqueous Solutions	article	POLYMERS	2073-4360	13, 24	2021	4314	4,329	10.3390/polym13244314	Q1
30	S.S. Ali, H. Jiao, A.M. Mustafa, E. Koutra, S. El-Sapagh, M. Komaros, T. Elsamahy, M. Khalil, Laura Bulgariu, J. Sun	S.S. Ali, H. Jiao, A.M. Mustafa, E. Koutra, S. El-Sapagh, M. Komaros, T. Elsamahy, M. Khalil, J. Sun/Tongji University, China	Construction of a novel microbial consortium valued for the effective degradation and detoxification of creosote-treated sawdust along with enhanced methane production	Article	Journal of Hazardous Materials	0304-3894	418	2021	126091	10,588	10.1016/j.jhazmat.2021.126091	Q1
31	Ciotonea, C., Chiriac, A., Dragoi B., Catrinescu C., E., Royer, Ungureanu, A.	TUIASI	Cu-Ga2O3 nanoparticles supported on ordered mesoporous silica for the catalytic hydrogenation of cinnamaldehyde	Article	Comptes Rendus Chimie	1631-0748		2021		3,117	10.5802/crchim.141	Q2
32	Vasseghian Y, Berkani M, Almomani F, Dragoi EN	Vasseghian/ Institute of Research and Development, Duy Tan University, Berkani//Laboratoire Biotechnologies, Ecole Nationale Supérieure de Biotechnologie; Almomani/Qatar University	Data mining for pesticide decontamination using heterogeneous photocatalytic processes	Review	Chemosphere	0045-6535	270, art no 129449	2021		7,086	10.1016/j.chemosphere.2020.129449	Q1
33	O.M. Ionescu, A.-T. Iacob, A. Mignon, S. Van Vlierbergh, M. Baican, M. C. Ibanescu, N. Simionescu, L. Profire	Ionescu/UMF, Iacob/UMF, Mignon/KU Leuven, Vlierbergh/Ghent Univ, Baican/UMF, Simionescu/ICMPP, Spital "N. Obili" Profire/UMF	Design, preparation and in vitro characterization of biomimetic and bioactive chitosan/polyethylene oxide based nanofibers as wound dressings	Article	International Journal of Biological Macromolecules	0141-8130	193	2021	13	6,953	10.1016/j.ijbiomac.2021.10.166	Q1
34	V. Kumar, S.K. Shahi, L.F.R. Ferreira, M. Bilal, J.K. Biswas, Laura Bulgariu	V. Kumar, S.K. Shahi, L.F.R. Ferreira, M. Bilal, J.K. Biswas/School of Life Science, India	Detection and characterization of refractory organic and inorganic pollutants discharged in biorefiner distillery effluent and their phytotoxicity, cytotoxicity, and genotoxicity assessment using Phaseolus aureus L. and Allium cepa L.	Article	Environmental Research	0013-9351	201	2021	111551	6,498	10.1016/j.envres.2021.111551	Q1
35	Tomî Alexandrel Hraniciuc ¹ , Nicolae Marcoice ² , Catalin Dumitrel Balan ²	1 Gheorghe Asachi Technical University of Iasi, Faculty of Hydrotechnical Engineering, Geodesy and Environmental Engineering, Romania 2 Gheorghe Asachi Technical University of Iasi, Faculty of Chemical Engineering and Environmental Protection, Romania	Determination of the flood defense embankment elevation crown, using advanced hydrodynamic modeling	Article	Environmental Engineering and Management Journal	1582-9596	Vol.20,n0. 3	2021	467-478	0.9		Q3

36	Estevinho, Berta N, Horciu, Ioana-Luiza, Blaga, Alexandra-Cristina, Rocha, Fernando	BE/Porto; FR/Porto	Development of Controlled Delivery Functional Systems by Microencapsulation of Different Extracts of Plants: <i>Hypericum perforatum</i> L., <i>Salvia officinalis</i> L. and <i>Syzygium aromaticum</i>	article	FOOD AND BIOPROCESS TECHNOLOGY	1935-5130	14, 8	2021	1503-1517	4,465	10.1007/s11947-021-02652-9	Q1
37	Nechita, MT; Suditu, GD; Puteil, AC; Dragoi, EN		Differential evolution-based optimization of corn stalks black liquor sulfidation using active carbon and TiO ₂ /UV	article	Scientific Reports	2045-2322	1 (11)	2021		4,38	10.1038/s41598-021-98006-8	Q1
38	A.Danila, S.A.Ibanescu, C.Zaharia, E.I.Muresan, A.Popescu, M.Danu*, V.Rotaru	Danila,Zaharia,Muresan,Danu,Rotaru/UTIASI; Ibanescu/CMP.Poni;Popescu/INC DTP Bucuresti	Eco-friendly O/W emulsions with potential application in skincare products	Article	Colloids and Surfaces A: Physicochemical and Engineering Aspects	0927-7757	612	2021	125969 (12 pp.)	3,99	10.1016/j.colsurfa.2020.125969	Q2
39	Laura Bulgariu, D.I. Fertu, I.G. Cara, M. Gavrilescu	D.I.Fertu/Univ. Galati; Cara/USAMV	Efficacy of Alkaline-Treated Soy Waste Biomass for the Removal of Heavy-Metal Ions and Opportunities for Their Recovery	Article	Materials	1996-1944	14	2021	7413	3,623	10.3390/ma14237413	Q1
40	Rusu, L., Grigoras, C.-G., Simion, A.-I., Suceveanu, E.-M., Blaga, A.-C., Harja, M. A.-C./TULasi Harja, M./TULasi	Rusu, L./Bacau Grigoras, C.-G./Bacau Simion, A.-I./Bacau Suceveanu, E.-M./Bacau Blaga, A.-C./TULasi Harja, M./TULasi	Encapsulation of <i>Saccharomyces pastorianus</i> Residual Biomass in Calcium Alginate Matrix with Insights in Ethacridine Lactate Biosorption.	Article	Polymers	2073-4360	14(1)	2022	170	4,329	https://doi.org/10.3390/polym14010170	Q1
41	Parascanu M.M., Sanchez N., Sandoval-Salas F., Carreto C.M., Soreanu G., Sanchez-Silva L.	Parascanu/Spain, Sanchez/Colombia, Sandoval-Salas, Carreto/Mexico, Soreanu/TUIASI, Sanchez-Silva/Spain	Environmental and economic analysis of bioethanol production from sugarcane molasses and agave juice	Article	Environmental Science and Pollution Research	0944-1344	28(45)	2021	64374-64393	4,223	doi.org/10.1007/s11356-021-15471-4	Q2
42	Bottauci, S.(1), Ungureanu-Comanita, E.D.(2), Gavrilescu, M.(2), Bonoli, A.(1)	(1) Universitatea Bologna, Italia; (2) Universitatea Tehnica "Gheorghe Asachi" din Iasi	Environmental impacts quantification of PVC production	Article	Environmental Engineering and Management Journal	1582-9596	vol 20, nr. 10	2021	1693-1702	0,916		Q4
43	Neamtu R., Sluser B*, Plavan O., Teodosiu C.*	Neamtu R., Sluser B*, Plavan O., Teodosiu C.* /TUIASI	Environmental monitoring and impact assessment of Prut river cross-border pollution	article	Environmental Monitoring and Assessment	0167-6369	340, Volume 193(6)	2021	1-16	1,903	https://doi.org/10.1007/s10661-021-09110-1	Q3
44	I.G. Cara, M. Filip, Laura Bulgariu, I. Raus, D. Topa, G. Jitoreanu	I.G. Cara, M. Filip, I. Raus, D. Topa, G. Jitoreanu/USAMV	Environmental Remediation of Metribuzin Herbicide by Mesoporous Carbon - Rich from Wheat Straw	Article	Applied Sciences	2076-3417	11	2021	4935	2,679	10.3390/app11114935	Q2
45	C.D. Radu, L. Verestiuc, E. Ulea, F.D. Lipsa, V. Vulpe, C. Munteanu, Laura Bulgariu, S. Pasca, C. Tamas, B.M. Ciuntu, M. Ciocan, I. Sirbu, E. Gavrilas, C.V. Macarel, B. Istrate	L.Verestiuc, C.Tamas, B.M.Ciuntu/UMF; V.Vulpe, S. Pasca, M. Ciocan, I. Sirbu, E. Gavrilas/USAMV	Evaluation of Keratin/Bacterial Cellulose Based Scaffolds as Potential Burned Wound Dressing	Article	Applied Sciences	2076-3417	11	2021	1995	2,679	10.3390/app11051995	Q2
46	Stoica I, Epure EL, Constantin CP, Damaceanu MD, Ursu EL, Mihaila I, Sava I.	Stoica I, Constantin CP, Damaceanu MD, Ursu EL, Sava I, P. Poni Iasi); Mihaila I (UAIC Iasi)	Evaluation of local mechanical and chemical properties via AFM as a tool for understanding the formation mechanism of pulsed UV laser-nanoinduced patterns on azo-naphthalene-based polyimide films	article	Nanomaterials	2079-4991	13, 8	2021	23	5,76	10.3390/nano11030812	Q2
47	C.V. Andritoiu, C. Lungu, M. Danu, B. Ivanescu, C.E. Andriescu, L. Vlase, C. Havarneanu, C.E. Iurciuc (Tincu), M. Popa	Andritoiu/Apitherapy Medical Center, UVVG, Lungu/UMF, Ivanescu/UMF, Andriescu/Spital Sf. Spiridon, Vlase/UMF-IH, Havarneanu/UAIC	Evaluation of the healing effect of ointments based on bee products on cutaneous lesions in Wistar rats	Article	Pharmaceuticals	1424-8247	14, 1146	2021	24	5,863	10.3390/ph14111146	Q1
48	C.V. Andritoiu, C.E. Andriescu, M. Danu, C. Lungu, B. Ivanescu, C. Havarneanu, M. Popa	Andritoiu/Apitherapy Medical Center, UVVG, Andriescu/Spital Sf. Spiridon, Lungu/UMF, Ivanescu/UMF, Havarneanu/UAIC	Evaluation of the wound healing potential of some natural polymers on three experimental models	Article	Pharmaceuticals	1424-8247	14, 465	2021	17	5,863	10.3390/ph14050465	Q1
49	Harja M., Buema G., Lupu N., Chiriac H., Herea D.D., Ciobanu G.	Harja M./TULasi, Buema G./Fiz. Tehn., Lupu N./Fiz. Tehn., Chiriac H./Fiz. Tehn., Herea D.D./Fiz. Tehn., Ciobanu G./TULasi	Fly ash coated with magnetic materials: improved adsorbent for Cu (II) removal from wastewater	Article	Materials	1996-1944	14(1)	2021	17	3,623	https://ix.doi.org/10.3390/ma14010063	Q1
50	Puteil, AC; Suditu, GD; Nechita, MT; Gavrilescu, D	TUIASI	Fractionation of agricultural waste biomass by means of integrated biorefinery concept	article	Environmental Engineering and Management Journal	1582-9596	3(20)	2021	389-396	0,916		Q4
51	Vasseghian Y, Dragoi EN, Almomani F, Le VT, Berkani M	Vasseghian/Duy Tan University, Almomani/Qatar University, Le/Duy Tan University, Berkani/Ecole Nationale Supérieure de Biotechnologie	Graphene-based membrane techniques for heavy metal removal: A critical review	Review	Environmental Technology and Innovation	2352-1864	24, art no. 101863	2021		5,263	10.1016/j.eti.2021.101863	Q1
52	Le VT, Almomani F, Vasseghian Y*, Vilas-Boas JA, Dragoi EN*	Le/Duy Tan University, Almomani/Qatar University, Vasseghian/Duy Tan University, Vilas-Boas/Universidade Federal de Juiz	Graphene-based nanomaterial for desalination of water: A systematic review and meta-analysis	Review	Food and Chemical Toxicology	0278-6915	148, art no 111964	2021		6,023	10.1016/j.fct.2020.111964	Q1
53	Popescu, V., Blaga, A.C., Pruneanu, M., Cristian, I.N., Pislaru, M., Popescu, A., Rotaru, V., Cretescu, I., Cascaval, D.	Popescu, Blaga, Pruneanu, Cristian, Pislaru, Popescu, Rotaru, Cretescu, Cascaval/TUIASI	Green chemistry in the extraction of natural dyes from colored food waste, for dyeing protein textile materials	Article	Polymers	2073-4360	13(22), 3867	2021	-	4,329	doi.org/10.3390/polym13223867	Q1
54	Dumitriu (Gabur) G.D., Teodosiu C*, Morosanu I., Plavan O., Gabur, I., Cotea V. V.	Dumitriu (Gabur) G.D., Teodosiu C*, Morosanu I., Plavan O./TUIASI; Gabur, I., Cotea V. V./Ton Ionescu de la Brad* University of Agricultural Sciences and Veterinary Medicine of Iasi.	Heavy metals assessment in the major stages of winemaking: chemometric analysis and impacts on human health and environment	article	Journal of Food Composition and Analysis,	0889-1575	103935, Volume 100	2021	1-13	3,721	https://doi.org/10.1016/j.jfca.2021.103935	Q1
55	Nica I., Zaharia C.*, Suteu D.	Nica,Zaharia,Suteu/UTIASI	Hydrogel Based on Tricarboxyl-Cellulose and Poly(Vinyl Alcohol) Used as Biosorbent for Cobalt Ions Retention	Article	Polymers (MDPI)	2073-4360	13(9)	2021	1444 (15 pp.)	4,329	10.3390/polym13091444	Q1
56	Peptu C.A., Băcăliță E.S., Logigan C.-L.S., Luțcanu M., Agop M.		Hydrogels based on alginates and carboxymethyl cellulose with modulated drug release—an experimental and theoretical study	Article	Polymers	2073-4360	13(24)	2021	16	4,329	10.3390/polym13244461	Q1
57	Bejenari I., Dinu R., Montes S., Volf I., Mija A.	Dinu, Mija/UCotedeAzur, Montes/CIDETEC Spain	Hydrothermal carbon as reactive fillers to produce sustainable bio-composites with aromatic bio-based epoxy resins	article	Polymers	2073-4360	13 (2)	2021	240	4,329	doi:10.3390/polym13020240	Q1
58	A.R. Lucaci, D. Bulgariu, Laura Bulgariu	D.Bulgariu/UAIC	In Situ Functionalization of Iron Oxide Particles with Alginate: A Promising Biosorbent for Retention of Metal Ions	Article	Polymers	2073-4360	13	2021	3554	4,329	10.3390/polym13203554	Q1
59	Harja M., Tataru-Farmus R., Hultuana Droniuc E., Gomez de Castro C., Ciobanu G., Lazar L.	Harja M./TULasi, Tataru-Farmus R./TULasi, Hultuana Droniuc E./TULasi, Gomez de Castro C./Madrid Spain, Ciobanu G./TULasi, Lazar L./TULasi	Influence of ethylenediamine content over performance of CO ₂ adsorption into potassium carbonate solutions	Article	Environmental Engineering and Management Journal	1582-9596	20(4)	2021	507-516	0,916		Q4
60	Soreanu G., Cretescu I., Diaconu M., Cojocaru C., Ignat M., Samoila P., Harabagiu V.	Soreanu, Cretescu, Diaconu/TUIASI, Cojocaru, Ignat, Samoila, Harabagiu/P.Poni	Investigation of a biosystem based on <i>Arthrospira platensis</i> for air revitalisation in spacecrafts: Performance evaluation through response surface methodology	Article	Chemosphere	0045-6535	264, Part 2	2021	-	7,086	doi.org/10.1016/j.chemosphere.2020.128465	Q1
61	E.I. Chereches, D. Bejan, C. Ibanescu, M. Danu, A.A. Minea	Bejan/ICMPP	Ionanofluids with [C ₂ mim][CH ₃ SO ₃] ionic liquid and alumina nanoparticles: An experimental study on viscosity, specific heat and electrical conductivity	Article	Chemical Engineering Science	0009-2509	229	2021	10	4,311	10.1016/j.ces.2020.116140	Q2
62	Parascanu M.M., Kaltschmitt M., Rödl A., Soreanu G., Sánchez-Silva L.	Parascanu/Spain, Kaltschmitt, Rödl/Germany, Soreanu/TUIasi, Sánchez-Silva/Spain	Life cycle assessment of electricity generation from combustion and gasification of biomass in Mexico	Article	Sustainable Production and Consumption	2352-5509	27	2021	72-85	5,032	doi.org/10.1016/j.spc.2020.10.021	Q1
63	Manca M.L., Ferraro M., Pace E., Di Vincenzo S., Valentini D., Fernandez-Busquets X., Peptu C.A., Manconi M.	Manca, Ferraro, Pace, Vincenzo, Valentini, Manconi/Univ of Cagliari, Busquets/University of Barcelona	Loading of beclomethasone in liposomes and hyalurosomes improved with mucin as effective approach to counteract the oxidative stress generated by cigarette smoke extract	Article	Nanomaterials	2079-4991	11(4)	2021	13	5,076	10.3390/nano11040850	Q1
64	Anton C, Curteanu S, Lisa C, Leon F	Anton, Curteanu, Lisa, Leon/TUIasi	Machine Learning Methods Applied for Modeling the Process of Obtaining Bricks Using Silicon-Based Materials	Article	Materials	1996-1944	23,14	2021	7232	3,623	10.3390/ma14237232	Q1
65	Băcăliță E.S., Peptu C.A., Logigan C.-L.S., Luțcanu M., Agop	TUIASI	Manifest/non-manifest drug release patterns from polysaccharide based hydrogels—case study on cyclodextrin–karrageenan crosslinked hydrogels	Article	Polymers	2073-4361	13 (23)	2021	22	4,329	10.3390/polym13234147	Q1
66	Lazar RG, Blaga AC, Dragoi EN, Galaction AI, Cascaval D	Lazar RG, Blaga AC, Dragoi EN, Galaction AI, Cascaval D/TUIASI	Mechanism, influencing factors exploration and modelling on the reactive extraction of 2-ketogluconic acid in presence of a phase modifier	Article	Separation and purification technology	1383-5866	volume 255, art 117740	2021		7,312	10.1016/j.seppur.2020.117740	Q1

67	Ciobanu C.I., Berladean L., Epure E-L., Simion A., Lisa G., Boussoaleem Y., Carlescu I.	Ciobanu/UAIAC, Berladean, Epure, Simion, Lisa, Carlescu/TUIasi, Boussoaleem/Univ. du Littoral-Cote-d'Opale	Mesomorphic and Thermal Behavior of Symmetric Bent-Core Liquid Crystal Compounds Derived from Resorcinol and Isophthalic Acid	Article	Crystals	2073-4352	11(10)	2021	1215	2,589	10.3390/cryst11101215	Q2
68	Godini K, Azarian G, Kimiaei A, Dragoi EN, Curteanu S	Godini/Kurdistan University of Medical Sciences; Azarian/Hamadan University of Medical Sciences; Kimiaei/Hamadan Industrial Estate Company	Modeling of a real industrial wastewater treatment plant based on aerated lagoon using a neuro-evolution technique	Article	Process Safety and Environmental Protection	0957-5820	148	2021	114-124	6,158	10.1016/j.psep.2020.09.057	Q1
69	Galaction, Anca-Irina, Blaga, Alexandra Cristina, Tucaliuc, Alexandra, Kloetzer, Lenuta, Cascaval, Dan	AIG/UMF	Modelling of ergosterol production by <i>S. cerevisiae</i> in presence of n-dodecane as oxygen-vector	article	ROMANIAN BIOTECHNOLOGICAL LETTERS	1224-5984	26, 2	2021	2464-2470	0,765	10.25083/rbl/26.2/2464.2470	Q4
70	Elena-Florentina Grosu, Jean-Sébastien Girardon, Gabriela Carja, Renato Froidevaux	Elena-Florentina Grosu/TUIASI, Jean-Sébastien Girardon/Univ. Lille, Gabriela Carja/TUIASI, Renato Froidevaux/Univ. Lille	NADH Regeneration Promoted by Solar Light Using Gold Nanoparticles/Layered Double Hydroxides as Novel Photocatalytic Nanoplatfoms	Article	ChemistrySelect	ISSN:2365-6549	Volume6, Issue39	2021	10514-10523	2,109	https://doi.org/10.1002/slct.202102221	Q2
71	Mazurchevici S-N, Motas J-G, Diaconu M., Lisa G., Lohan N.M., Glod M., Nedelcu D.	Mazurchevici, Motas, Diaconu, Lohan, Lisa, Nedelcu/TUIASI, Glod/UMF Iasi	Nanocomposite Biopolymer Arbolblend V2 Nature AgNPs	Article	Polymers	2073-4360	13 (17)	2021	2932	4,329	10.3390/polym13172932	Q1
72	Ghiba L, Dragoi EN, Curteanu S	Ghiba L, Dragoi EN, Curteanu S/TUIASI	Neural network-based hybrid models developed for free radical polymerization of styrene	Article	Polymer engineering and science	0032-3888	61(3)	2021	716-730	2,428	10.1002/pen.25611	Q3
73	Erdogmus E., Harja M.,* Gencel O., Sutcu M., Yaras A.	Erdogmus E./Turkey Harja M.,*/TUIasi Gencel O./Turkey Sutcu M.,/Turkey Yaras A./Turkey	New construction materials synthesized from water treatment sludge and fired clay brick wastes,	Article	Journal of Building Engineering,	2352-7102	42	2021	102471	5,318	https://doi.org/10.1016/j.jobe.2021.100001	Q1
74	Rosca, M. (1,2), Cozma, P. (1), Minut, M.(1), Hihor, R.M. (1,2), Betianu, C.(1), Diaconu, M.(1), Gavrilescu, M. (1)	(1) Universitatea Tehnica "Gheorghe Asachi" din Iasi, (2) Universitatea de Stiinta ale Vietii Iasi	New evidence of model crop Brassica napus L. in soil clean-up: comparison of tolerance and accumulation of Lead and Cadmium	Article	Plants-Basel	2223-7747	Vol. 10, nr. 10	2021	online, 23 pagini	3,935	10.3390/plants10102051	Q1
75	Epure EL, Stoica I, Albu RM, Hulubei C, Barzic AI	Stoica I, Albu RM, Hulubei C, Barzic AI/Poni Iasi	New strategy for inducing surface anisotropy in polyimide films for nematics orientation in display applications	article	Nanomaterials	2079-4991	11, 11	2021	18	5,076	10.3390/nano11113107	Q2
76	Nouj, N., Hafid, N., Alem, N.E., Cretescu, I.	Nouj, Hafid, Alem/Maroc, Cretescu/TUIASI	Novel liquid chitosan-based bioagulant for treatment optimization of fish processing wastewater from a Moroccan plant	Article	Materials	1996-1944	14(23), 7133	2021	-	3,623	doi.org/10.3390/ma14237133	Q1
77	K. Kondratenko, I. Carlescu, P.-E. Danjou, Y. Boussoaleem, A. Simion, B. Duponchel, J.F. Blach, C. Legrand, N. Hurdud, A. Daoudi	Kondratenko (U.Littoral), Danjou (U.Littoral), Boussoaleem (U.Littoral), Duponchel (U.Littoral), Blach (U.Littoral), Legrand (U.Littoral), Daoudi (U.Littoral)	Novel organic semiconductor based on 2-aminoanthracene: synthesis, charge transporting and photoconductive properties.	Article	Physical Chemistry Chemical Physics	1463-9076 (print); 1463-9084 (web)	23	2021	9	3,676	10.1039/D1CP01427G	Q1
78	Vasilachi, I.C., Asminicesei, D.M., Fertu, D.J., Gavrilescu, M.	Universitatea Tehnica "Gheorghe Asachi" din Iasi	Occurrence and fate of emerging pollutants in water environment and options for their removal	Review	Water	2073-4441	vol. 13, nr. 19	2021	on line, 34 pagini	3,103	10.3390/w13020181	Q2
79	M. Chereches, C. Ibanescu, M. Danu, E.I. Chereches, A.A. Minea	TUIASI	PEG 400-based phase change materials nano-enhanced with alumina: an experimental approach	Article	Alexandria Engineering Journal	1110-0168		2021	12	3,732	10.1016/j.aej.2021.12.029	Q1
80	Buema G., Lupu N., Chiriac H., Ciobanu G., Bucur R.D., Bucur D., Favier L., Harja M.	Buema G./Fiz. Tehn., Lupu N./Fiz. Tehn., Chiriac H./Fiz. Tehn., Ciobanu G./TUIasi, Bucur R.D./USAMV Iasi, Bucur D./USAMV Iasi, Favier L./Rennes France, Harja M./TUIasi	Performance assessment of five adsorbents based on Fly ash for removal of cadmium ions	Article	Journal of Molecular Liquids	0167-7322	333	2021	15	6,165	https://doi.org/10.1016/j.molliq.2021.115932	Q1
81	Cheshmazar E., Arfaeinia L., Vasseghian Y., Ramavandi B., Moradi M., Hashemi SE, Asgari E., Arfaeinia H., Dragoi EN, Khaneghah AM	Cheshmazar/School of Public Health, Iran University of Medical Sciences, Arfaeinia/Azad University-Bushehr Branch, Vasseghian/Duy Tan University, Ramavandi/Bushehr University of Medical Science, Moradi/Bushehr University of Medical Science, Hashemi/Bushehr University of Medical Science, Asgari/Khoy University of Medical Sciences, Arfaeinia/Bushehr University of Medical Science, Khaneghah/State University of Campinas	Phthalate acid esters in pickled vegetables packaged in polyethylene terephthalate container: Occurrence, migration and estrogenic activity-associated risk assessment	Review	Journal of Food Composition and Analysis	0889-1575	99, 103880	2021		4,556	10.1016/j.jfca.2021.103880	Q1
82	Bejenari V., Marcu A., Ipate A.-M., Rusu D., Tudorachi N., Anghel I., Șofran I-E., Lisa G.	Bejenari, Marcu, Lisa/TUIASI Ipate, Rusu, Tudorachi/ICMPP, Anghel, Șofran/Academia de Politie Al.I. Cuza	Physicochemical characterization and energy recovery of spent coffee grounds	Article	Journal of Materials Research and Technology	2238-7854	15	2021	4437-4451	5,039	10.1016/j.jmrt.2021.10.064	Q1
83	C Ciotonea, A Chiriac, B Dragoi, J Dhainaut, M Marinova, S Pronier, S Arii-Claeans, JP Dacquin, E Dumitriu, A Ungureanu, S Royer	C Ciotonea/ U LILLE, J Dhainaut/ U LILLE, M Marinova/ U LILLE, S Pronier/ U POITIERS, S Arii-Claeans/ U LILLE, JP Dacquin/ U LILLE, S Royer/ U LILLE	Playing on 3D spatial distribution of Cu-Co (oxide) nanoparticles in inorganic mesoporous sieves: Impact on catalytic performance toward the cinnamaldehyde hydrogenation	Article	Applied Catalysis A, General	0926-860X	623	2021	118303	5,706	10.1016/j.apcata.2021.118303	Q1
84	Petrita L.-M., Bucatariu F., Mihal M*./ "Petru Poni" Institute of Macromolecular Chemistry; Teodosiu C*/TUIASI	Petrita L.-M., Bucatariu F., Mihal M*./ "Petru Poni" Institute of Macromolecular Chemistry; Teodosiu C*/TUIASI	Polyelectrolyte multilayers: An overview on fabrication, properties, and biomedical and environmental applications	review	Materials	1996-1944	14(15), 4152	2021	1-29	3,623	https://doi.org/10.3390/ma14154152	Q1
85	Blaga A.C., Zaharia C., Suteu D.	Blaga,Zaharia,Suteu/UTIASI	Polysaccharides as Support for Microbial Biomass-Based Adsorbents with Applications in Removal of Heavy Metals and Dyes	Article	Polymers (MDPI)	2073-4360	13(17)	2021	2893 (20 pp.)	4,329	10.3390/polym13172893	Q1
86	Abdullah T.A, Juzsakova T, Rasheed R.T, Salman A.D, Sebestyen E, Domokos E, Sluser B, Cretescu I,	Abdullah, Juzsakova, Sebestyen, Domokos - University of Pannonia, Hungary; Salman - University of Technology Bagdad; TUIASI	Polystyrene-Fe3O4-MWCNTs Nanocomposites for Toluene Removal from Water,	article	Materials 2021, 14, 5503	1996-1944	14(19), 5503	2021	21	3,623	https://doi.org/10.3390/ma14195503	Q2
87	T. A. Abdullah, R. T. Rasheed, T. Juzsakova, N. Al-Jammal, M. A. Mallah, L. P. Cuong, A. D. Salman, E. Domokos, I. Cretescu	Abdullah/Hungary, Rasheed/Irak, Juzsakova, Al-Jammal/Hungary, Mallah/Irak, Cuong/Vietnam, Salman, Domokos/Hungary, Cretescu/TUIASI	Preparation and characterization of MnO2-based nanoparticles at different annealing temperatures and their application in dye removal from water	Article	International Journal of Environmental Science and Technology	1735-1472	v.18 no.6	2021	1499-1512	2,86	doi.org/10.1007/s13762-020-02956-x	Q2
88	A. Danila, E.I. Muresan, S.-A. Ibanescu, A. Popescu, M. Danu, C. Zaharia, G.C. Turkoglu, G. Erkan, A.-I. Staras	Ibanescu/ICMPP, Popescu/INCDTP, Turkoglu/DEU, Erkan/DEU, Staras/ICCF	Preparation, characterization, and application of polysaccharide-based emulsions incorporated with lavender essential oil for skin-friendly cellulosic support	Article	International Journal of Biological Macromolecules	0141-8130	191	2021	9	6,953	10.1016/j.ijbiomac.2021.09.090	Q1
89	Anghel I, Lisa G., Șofran I-E., Mitroi-Symeonidis F.-C., Rusu MM., Baia M., Baia L., Magyari K., Dancu V, Cotet LC, Stroie M., Balbarac M	Anghel, Șofran, Mitroi-Symeonidis/Academia de Politie Al.I. Cuza, Lisa/TUIASI, Rusu, Magyari / Baia, Dancu, Cotet/UBB, Baia/UBB, Stroie, Balbarac/Naft Inst Mat Phys	Pyrolysis and combustion of polystyrene composites based on graphene oxide functionalized with 3-(methacryloyloxy)propyltrimethoxysilane	Article	JOURNAL OF POLYMER ENGINEERING	0334-6447	41(7)	2021	615-626	1,267	10.1515/polyeng-2021-0071	Q4
90	eanu, Florin Leon, Andra-Maria Mircea V	TUIASI	Regression Methods Based on Nearest Neighbors with Adaptive Distance Metrics Applied to a Polymerization Process	article	Mathematics	2227-7390	9	2021	20	1,747	/doi.org/10.3390/math9050547	Q1
91	Buema, G.; Trifas, L.-M.; Harja, M.,	Buema, G./Fiz Teh, Trifas, L.-M.,/TUIasi Harja, M./TUIasi	Removal of Toxic Copper Ion from Aqueous Media by Adsorption on Fly Ash-Derived Zeolites: Kinetic and Equilibrium Studies	Article	Polymers	2073-4360	13(20)	2021	6468	4,329	https://doi.org/10.3390/polym13203468	Q1

92	Strungaru S.A., Pohontiu C.M., Nicoara M*, Teodosiu C., Baltag E.S., Jijie R., Plavan G., Pacioglu O., Faggio C*.,	Strungaru S.A./Alexandru Ioan Cuza University of Iasi; Pohontiu C.M./University Stefan cel Mare of Suceava; Nicoara M.*. Plavan G., Baltag E.S./ Alexandru Ioan Cuza University of Iasi; Teodosiu C./TUIASI; Pacioglu O./National Institute of Research and Development for Biological Sciences; Faggio C./University of Messina, Italy	Response of aquatic macroinvertebrates communities to multiple anthropogenic stressors in a lowland tributary river	articol	Environmental Toxicology and Pharmacology	1382-6689	Volume 67, 103687	2021	1-9	3,292	https://doi.org/10.1016/j.etap.2021.103687	Q1
93	Dragoi EN, Dafinescu V	Dafinescu/OBLU Iasi	Review of Metaheuristics Inspired from the Animal Kingdom	Review	Mathematics	2227-7390	9(18), 2335	2021		2,258	10.3390/math9182335	Q1
94	M.-F. Zaltariov, D. Filip, D. Macocinschi, C. Ibanescu, M. Danu, L. Sacarescu	Zaltariov/CMPP, Filip/CMPP, Macocinschi/CMPP, Sacarescu/CMPP	Self-assembly and rheological behavior of chloramphenicol-based poly(ester ether)urethanes	Articol	Journal of Polymer Research	1022-9760	28-190	2021	15	3,097	10.1007/s10965-021-02545-7	Q2
95	Tanasa A., Puitel A.C., Zaharia C., Suteu D.*	Tanasa,Puitel,Zaharia,Suteu/UTIASI	Sorption of reactive dyes from aqueous media using the lavender waste as biosorbent	Articol	Desalination and Water Treatment	1944-3994	236	2021	348-358	1,32	10.5004/dwt.2021.27700	Q3
96	Olariu MA, Hamciuc C., Asandulesa M., Hamciuc E., Epure E-L, Tsakiris V, Lisa G	Olariu, Epure, Lisa / TUIASI, Hamciuc, Asandulesa, Hamciuc/CMPP, Tsakiris/INCIE ICPE CA	Study on highly thermostable low-k polymer films based on fluorene-containing polyetherimides	Articol	Polymer Engineering and Science	0032-3888	61(10)	2021	2639-2652	2,428	10.1002/pen.25792	Q3
97	Todaro F., Bărjoveanu G., De Gisi S., Teodosiu C*, Notarnicola M	Todaro F., De Gisi S., Notarnicola M/ Polytechnic University of Bari; Bărjoveanu G., Teodosiu C*/TUIASI	Sustainability assessment of reactive capping alternatives for the remediation of contaminated marine sediments	articol	Journal of Cleaner Production	0959-6526	124946 Volume 286	2021	1-15	9,297	https://doi.org/10.1016/j.jclepro.2020.124946	Q1
98	Gavrilescu D., Enache A, Ibanescu D., Teodosiu C*, Fiore S.*	Gavrilescu D., Enache A, Ibanescu D., Teodosiu C*/TUIASI; Fiore S./Politecnico di Torino,	Sustainability assessment of waste electric and electronic equipment management systems: development and validation of the SUSTWEEE methodology	articol	Journal of Cleaner Production	0959-6526	127214 Volume 306	2021	1-14	9,297	https://doi.org/10.1016/j.jclepro.2021.127214	Q1
99	Filote, C. (1), Rosca, M.(1), Hihor, R.M.(1), Cozma, P.(2), Simion, I.M.(1), Apostol, M.(1), Gavrilescu, M.(2)	(1) Universitatea de Stiinte ale Vietii Iasi; (2) Universitatea Tehnica "Gheorghe Asachi" din Iasi	Sustainable Application of Biosorption and Bioaccumulation of Persistent Pollutants in Wastewater Treatment: Current Practice	Review	Processes	2227-9717	Vol. 9, nr. 10	2021	On line, 38 pagini	2,847	10.3390/pr9101696	Q3
100	Popescu, V., Buciscanu, I.L., Pruneanu, M., Maier, S.S., Danila, A., Maier, V., Pislaru, M., Rotaru, V., Cristian, I.N., Popescu, A., Istrate, B., Blaga, A.C., Ciolacu, F., Cretescu, I., Chelariu, P., Marin, M	Popescu, Buciscanu, Pruneanu, Maier, Danila, Maier, Pislaru, Rotaru, Cristian, Popescu, Istrate, Blaga, Ciolacu, Cretescu, Chelariu, Marin/TUIASI	Sustainable functionalization of PAN to improve tinctorial capacity	Article	Polymers	2073-4360	13(21), 3665	2021		4,329	DOI: 10.3390/polym13213665	Q1
101	M. Keshavarz, R. Foroutan, F. Papari, Laura Bulgariu, H. Esmaeili	M. Keshavarz, R. Foroutan, F. Papari, H. Esmaeili/Islamic Azad University, Iran	Synthesis of CaO/Fe2O3 nanocomposite as an efficient nanoadsorbent for the treatment of wastewater containing Cr(III)	Articol	Separation Science and Technology	1520-5754	56(8)	2021	1328-1341	2,475	10.1080/01496395.2020.1778727	Q3
102	Butnaru I., Chiriac A.P., Asandulesa M., Sava I, Lisa G, Damaceanu M-D.	Butnaru, Chiriac, Asandulesa, Sava, Damaceanu/CMPP, Lisa/TUIASI	Tailoring poly (ether-imide) films features towards high performance flexible substrates	Articol	Journal of Industrial and Engineering Chemistry	1226-086X	93	2021	436-447	6,064	10.1016/j.jiec.2020.10.023	Q1
103	Iacob Tudose E.T., Mamaliga I., Iosub A.	UTI	TES Nanoemulsions: A Review of Thermophysical Properties and Their Impact on System Design Textile Wastewater Treatment in a Spinning Disc Reactor: Improved Performances—Experimental, Modeline and SVM Optimization	Review	Nanomaterials	2079-4991	11(12),3415	2021	1-40	5,076	https://doi.org/10.3390/nano11123415	Q1
104	Zaharia C., Leon F., Curteanu S., Iacob-Tudose E.T.*	Zaharia,Leon,Curteanu,Iacob-Tudose/UTIASI		Articol	Processes (MDPI)	2227-9717	9	2021	2003 (23 pp.)	2,847	10.3390/pr9112003	Q1
105	Matin B.K., Shakiba E., Moradi M., Zereshti E., Karami A., Vasseghian Y., Dragoi E.-N., Khaneghah A.M.	Matin/Kermanshah University of Medical Sciences, Shakiba/State University of Campinas, Moradi/Kermanshah University of Medical Sciences, Zereshti/Kermanshah University of Medical Sciences, Karami/Kermanshah University of Medical Sciences, Vasseghian/Duy Tan University, Khaneghah A.M.	The concentration of estrogen in water resources: a systematic review and meta-analysis	Review	International Journal of Environmental Analytical Chemistry	0306-7319	101(15)	2021	2937-2946	1,267	10.1080/03067319.2019.1704749	Q4
106	Vasseghian Y, Housseinzadeh S, Khataee A, Dragoi EN	Vasseghian/Duy Tan University, Housseinzadeh/University of Tabriz, Khataee/University of Tabriz	The concentration of persistent organic pollutants in water resources: A global systematic review, meta-analysis and probabilistic risk assessment	Review	Science of The Total Environment	0048-9697	76, art no 149000	2021		7,963	10.1016/j.scitotenv.2021.149000	Q1
107	Berkani M, Vasseghian Y, Le VT, Dragoi EN, Khaneghah AM	Berkani/Ecole Nationale Supérieure de Biotechnologie, Vasseghian/Duy Tan University, Le/Duy Tan University, Khaneghah/State University of Campinas	The Fenton-like reaction for Arsenic removal from groundwater: Health risk assessment	Articol	Environmental Research	2352-1864	202, art no 111698	2021		6,498	10.1016/j.enres.2021.111698	Q1
108	Mihăilă A., Danu M, Ibanescu C, Anghel I, Șofran I-E, Balanescu LV., Tudorachi N., Lisa G.	Mihaila, Danu, Ibanescu, Lisa/TUIASI, Anghel, Șofran, Balanescu/Academia de Politie A.I.I. Cuza, Tudorachi/ ICMP	Thermal characterization and rheological behavior of some varnishes and paints used for wood protection	Articol	International Journal of Environmental Science and Technology	1735-1472	5,08	2021	1_16	2,86	10.1007/s13762-021-03579-6	Q3
109	Sescu, A.M.; Favier, L.; Lutić, D.; Soto-Donoso, N.; Ciobanu, G.; Harja, M.*	Sescu, A.M./Tulsi; Favier, L./Rennes France; Lutić, D./UAIC; Soto-Donoso, N./Rennes France; Ciobanu, G./Tulsi; Harja, M.*/Tulsi;	TiO2 Doped with Noble Metals as an Efficient Solution for the Photodegradation of Hazardous Organic Water Pollutants at Ambient Conditions.	Articol	Water	2073-4441	13(1)	2021	18	3,103	https://dx.doi.org/10.3390/w13010019	Q2
110	Stoian M., Roge V., Lazar L., Maurer T., Vedrine J.C., Marcu I.C., Fecete I.	Stoian M./UB, Roge V./Luxembourg, Lazar L./TUIASI, Maurer T./Franta, Vedrine J.C./Franta, Marcu I.C./UB, Fecete I./Franta	Total Oxidation of Methane on Oxide and Mixed Oxide Ceria-Containing Catalysts	Review	Catalysts	2073-4344	4, 11	2021	Art. 427	4,146	10.3390/catal11040427	Q2
111	Suditu, GD; Puitel, AC; Chesca, AM; Gavrilescu, D	TUIASI	Treatment of corn stalk pulping effluent by electro-coagulation	articol	Environmental Engineering and Management Journal	1582-9597	3(20)	2021	347-353	0,916		Q4
112	Daraban G.M., Zaharia C., Rusu L., Puitel A.C., Badeanu M., Suteu D.*	Daraban,Zaharia,Puitel,Suteu/UTIASI; Rusu/UB Bacau; Badeanu/USV Iasi	Ultrasonic Extraction for preparation of plant extracts with bioinsecticidal effects on pest from seed deposits	Articol	Studia UBB Chemia	1224-7154	LXVI (2)	2021	309-324	0,447	10.24193/subbchem.2021.2.27	Q4
113	Dinu R., Bejenari I., Volf I., Mija A.	Dinu, Mija/UCoteD'Azur	Vegetable Oil-Based Resins Reinforced with Spruce Bark Powder and with Its Hydrochar Lignocellulosic Biomass	articol	Applied Science	2076-3417	11	2021	10649	2,679	https://doi.org/10.3390/app112210649	Q2
114	Iacob Tudose E.T.	TUIASI	An experimental study on spinning disc key parameters influencing its performance parameters	articol	Studia UBB Chemia	2065-9520	4	2021	297-308	0,447		Q4

Cl.2. Articole in reviste indexate BDI

Nr.	Numele autorului/ autorilor	Afilarea institutionala a autorului/ autorilor*	Titlul lucrarii	Numele revistei	ISSN	Numarul volumului	Anul publicarii	Interval pagini	Numele bazei de date	DOI
2025										
1	Abalasi M.E., Fighr D., Teodosiu C.*	FICPM/TUIASI	A Critical Analysis of Drinking Water Quality Policies and Regulations in Romania, Buletinul Institutului Politehnic, Sectia Chimie si Inginerie Chimica - 2025. DOI:	Buletinul Institutului Politehnic, Sectia Chimie si Inginerie Chimica	2537-2947	Vol. 71 (75), No. 3	2025	1-21	Index Copernicus	10.5281/zenodo.17357581
2	Ungureanu E., Toftană C.B.M., Fortună M.E., Ungureanu D., Volf I.	Ungureanu, Toftană/USV Iasi, Fortună/ICMPP Iasi, Volf/TUIASI	Bioremediation in circular economy: case study of Cu(II) removal via lignin-based biomass	Buletin of Polytechnic Institute of Iasi, Chemistry and Chemical Engineering section	0254-7104	71 (75), 1	2025	75-84	Index Copernicus	10.5281/zenodo.15062946
3	Muhammad A. Jasim, Forat Yasir Aljaberi, Saja M. Alaradi, Ali D. Salman, Mustafa M. Hathal, Igor Cretescu, Armando R. Vargas	Muhammad A. Jasim/ Midland Refineries Company, Ministry of Oil, Al-Muthanna, Iraq; Forat Yasir Aljaberi/ Al-Ayen University, Thi-Qar, Iraq; Saja M. Alaradi/ University of Technology, Iraq; Ali D. Salman / University of Baghdad, Iraq; Mustafa M. Hathal / University of Pannonia, Hungary; Armando R. Vargas/ Universidad of Holguin, Cuba.	Enhancing the removal of total dissolved solids from petroleum wastewater through electrocoagulation	Engineering and Technology Journal	1681-6900	43, 03	2025	220-233	EBSCO	10.30684/etj.2025.157123.1893
4	Loredana Vasiliu Postolache, Gabriela Soreanu, Igor Cretescu, Gabriela Lisa	Loredana Vasiliu Postolache, Gabriela Soreanu, Igor Cretescu, Gabriela Lisa / FICPMI	Modeling and Optimization of Thermal Stability and Heat Release Capacity of Waste Mixtures with Biomass Residues (Chlorella vulgaris) / Manuscript ID: ACPA-25100065	Advanced Chemical Process Analysis (ACPA)	3083-4392	1 (1), 6	2025	-	Google Academic	https://www.scilit.com/journals/a/apa/articles/251202519
5	CRISTINA-ALEXANDRA HAIVAS, CARMEN ZAHARIA/ TUIASI	CRISTINA-ALEXANDRA HAIVAS, CARMEN ZAHARIA/ TUIASI	WASTEWATER CHARACTERISTICS OF A CATTLE ZOOTECNICAL FARM – A CASE STUDY	BULETINUL INSTITUTULUI POLITEHNIC DIN IASI, sectia: CHIMIE si INGINERIE CHIMICA	0254-7104	71 (75), 3	2025	20.sept	Sciendo / Copernicus	10.5281/zenodo.17357071
6	Denis Cutsocvchi, Sofronia Bousariu, Gabriela Carja	TUIASI	Layered Double Hydroxides: Insights into the Structural Regeneration by Memory Effect	Buletinul Institutului Politehnic din Iasi, Sectia Chimie si Inginerie Chimica	2537-2947	71 (75)	2025	9 - 22	INDEX COPERNICUS	10.5281/zenodo.15062732
7	Cobzaru C., Alupoae M., Apostolescu G.-A., Cernătescu M.-M., Cernătescu C.,	TUIASI	Study on obtaining oily extract from linden flowers and using it in a cold cream	Buletinul Institutului Politehnic din Iasi	2537-2947	1, 71 (75)	2025	37-46	www.bipic.icpm.tuiasi.ro	DOI: 10.5281/zenodo.15062815
8	Cobzaru C., Schiopu O.-N., Cernătescu M.-M., Apostolescu N., Cernătescu C.,	TUIASI	Formulation and microbiological evaluation of a cosmetic cream with sea buckthorn extract and without preservatives	Buletinul Institutului Politehnic din Iasi	2537-2946	2, 71 (75)	2025	73-82	www.bipic.icpm.tuiasi.ro	DOI: 10.5281/zenodo.15617918
9	Cobzaru C., Virginia Maria-Veronica, Danu Maricel, Apostolescu G.-A., Cernătescu C.,	TUIASI	Rheological study of three cosmetic creams obtained with different extracts of lemon	Buletinul Institutului Politehnic din Iasi	2537-2949	4, 71 (75)	2025	73-83	www.bipic.icpm.tuiasi.ro	DOI: 10.5281/zenodo.15617919
10	Clemente C-I, Lisa G	Clemente, Lisa (TUIASI)	Application of Thermogravimetric Analysis in the Investigation of the Sublimation Process	Buletinul Institutului Politehnic din Iasi/Sectia Chimie si Inginerie Chimica	2537-2947	71(75)	2025	pg 9-17	IndexCopernicus	10.5281/zenodo.15617712
11	CLAUDIA COBZARU, MAGDALENA ALUPOAE, GABRIELA-ANTOANETA APOSTOLESCU, MALINA-MARIA CERNĂTESCU, CORINA CERNĂTESCU	COBZARU/TUIASI, ALUPOAE/TUIASI, APOSTOLESCU/TUIASI, M.CERNĂTESCU/UMF Iasi, C.CERNĂTESCU/TUIASI	Study On Obtaining Oily Extract from Linden Flowers and Using It in A Cold Cream	Buletinul Institutului Politehnic din Iasi, Sectia Chimie si Inginerie Chimica	2537-2947	71(75)(1)	2025	37-46	Index Copernicus	10.5281/zenodo.15062815
12	Madalina Simona BALTATU, Corina Ioana MOGA, Andrei Victor SANDU, Florin CIOLACU, Camilo ZAMORA-LEDEZMA, Petrica VIZUREANU	MOGA/DFR Systems Srl ZAMORA-LEDEZMA/UAX	TREATMENTS AND METHODS FOR IMPROVING BIOFUNCTIONAL PROPERTIES OF TITANIUM ALLOYS	European Journal of Materials Science and Engineering	2537-4338	Vol. 10, Issue 4	2025	273-290	Index Copernicus	10.36868/ejmsse.2025.10.04.273
13	L. Chelea, C. Ibanescu, M. Danu	TUIASI	Rheological behaviour fo some gels base on diclofenac	Buletinul Institutului Politehnic Iasi, sectia Chimie si Inginerie Chimica	2537-2947	2	2025	83-94	INDEX COPERNICUS	10.5281/zenodo.15617924
2024										
1	Ungureanu E., Toftană C.B.M., Ungureanu O.C., Fortună M.E., Volf I., Popa V.I.	Ungureanu, Ungureanu/USV, Toftană, Volf, Popa/TUIasi , Fortună/ICMPP	Circular economy solutions: exploring agricultural residues	Buletin of Polytechnic Institute of Iasi, Chemistry and Chemical Engineering section	2537-2947, ISSN- L 0254-7104	70(74), 4	2024	33-48	Index Copernicus, CiteFactor, Open air	10.5281/zenodo.14582064
2	B.M. Hăsan, L. Munteanu, D. Bulgaru, R.E. Tătaru-Fărmuș, Laura Bulgariu	D. Bulgaru/UAIC Iasi; B.M. Hăsan, L. Munteanu, R.E. Tătaru-Fărmuș, Laura Bulgariu/ TUIASI	Effect of inorganic salts on the solubilization of phosphorus from chemical fertilizers	The Bulletin of the Polytechnic Institute of Iasi, Section Chemistry and Chemical Engineering	2537-2949	70(74)(4)	2024	21-32	Index Copernicus	10.5281/zenodo.14582031
3	Ungureanu E., Toftană C.B.M., Ungureanu O.C., Fortună M.E., Volf I., Popa V.I.	Ungureanu, Ungureanu/USV, Toftană, Volf, Popa/TUIasi , Fortună/ICMPP	lignin-based biomass fractions for Cr(VI) adsorption from aqueous media – thermodynamic, spectral and biological analysis	Buletin of Polytechnic Institute of Iasi, Chemistry and Chemical Engineering section	2537-2947, ISSN- L 0254-7104	70(74), 3	2024	57-64	Index Copernicus, CiteFactor, Open air	10.5281/zenodo.13837919
4	Cirjan C., Gavrilescu D., Teodosiu C.,	Cirjan C., Gavrilescu D., Teodosiu C./ TUIASI	Management of Packaging Waste from E-Commerce in the Context of the Circular Economy	Buletinul Institutului Politehnic din Iasi, Sectia Chimie si Inginerie Chimica	ISSN: 2537-2947	70(74), 3	2024	65-77	IndexCopernicus, CiteFactor, OPEN AIRE	10.5281/zenodo.13837961
5	Povar I., Spinu O., Petrescu C.M., Cretescu I.	Povar I., Spinu O./State Univ. (MD), Petrescu C. M., Cretescu I./TUIASI	MODELING OF PHYSICO-CHEMICAL PROCESSES BASED ON MASS BALANCE AND GENERALIZED EQUATIONS FOR MULTICOMPONENT TWO-PHASE AQUATIC ECOSYSTEMS	Ecology & Safety	1314-7234	18	2024	1-11	BASE, Bielefeld University, Germany	DOI: 10.62991/ES1996519052
6	B.M. Hăsan, A.G. Apostică, Laura Bulgariu	B.M. Hăsan, A.G. Apostică, Laura Bulgariu/ TUIASI	Quantitative spectrophotometric determination of Au(III) ions in aqueous solution with Basic Violet 10 dye	The Bulletin of the Polytechnic Institute of Iasi, Section Chemistry and Chemical Engineering	2537-2947	70(74)(1)	2024	23-34	Index Copernicus	10.5281/zenodo.11145069
7	E. Făsciu-Pereu, A.E. Bulgaru, Laura Bulgariu	A.E. Bulgaru/UMF Iasi; E. Făsciu-Pereu, Laura Bulgariu/ TUIASI	Spectrophotometric characteristics of rifaximin aqueous solution and the consequences for quantitative analysis	The Bulletin of the Polytechnic Institute of Iasi, Section Chemistry and Chemical Engineering	2537-2948	70(74)(2)	2024	65-76	Index Copernicus	10.5281/zenodo.13308277
8	Ortovan C.L., Zaharia C.*	Ortovan C.L., Zaharia C./FICPM	Textile dye biosorption onto non-living freshwater green biomass: influencing factors and its efficiency. A case study (II)	Bull.Inst.Polit. Iasi, series: Chemistry and Chemical Engineering	2537-2947	70(74), 4	2024	49-62	INDEX COPERNICUS ICV/Zenob CERN/Open AIR/FZU/ICV-RV-NIC-SA	10.5281/zenodo.14582118
9	Kovacs Z., Melczinger M., Yuzsakova T., Kulcsar G., Toth P., Cretescu I.	Kovacs Z., Melczinger M., Yuzsakova T., Kulcsar G., Toth P./Univ. Pannonia(HU), Cretescu I./TUIASI	THE FUTURE PERSPECTIVES OF RECEIVING RIVERS UNDER THE REVISED URBAN WASTEWATER TREATMENT DIRECTIVE	Ecology & Safety	1314-7234	18	2024	54-62	BASE, Bielefeld University, Germany	DOI: 10.62991/ES1996527016
10	Paula Maria, Favier Lidia, Lucic Diana, Hihor Raluca-Maria, Gavrilescu Maria	Favier Lidia/ Ecole Nationale Supérieure de Chimie de Rennes; Lucic Diana/ Universitatea A.I. Cuza, Iasi; Hihor Raluca-Maria/ USAMV Iasi; Gavrilescu Maria/ TUIASI	Visible-light photocatalytic degradation of tartrazine using ZnO nanoparticles: Preliminary phytotoxicity investigations on treated solutions	BULETINUL INSTITUTULUI POLITEHNIC DIN IASI, Sectia CHIMIE si INGINERIE CHIMICA	2537-2947	70/74	2024	35-46	Index Copernicus, Open Aire	10.5281/zenodo.11145259
11	Mălina Maria Cernătescu, Claudia Cobzaru, Corina Cernătescu	TUIASI	Exploring hesperidin's therapeutic potential in cancer therapy: a Review	Bul. IPI	2537-2947	70(74)1	2024	81-88	www.bipic.icpm.tuiasi.ro	10.5281/zenodo.11145798
12	Claudia Cobzaru, Alexandra Bujor, Mălina Maria Cernătescu, Corina Cernătescu	TUIASI	Identification of capsaicin from the alcoholic and oily extracts of hot peppers using ftir spectroscopy	Bul. IPI	2537-2947	70(74) 2	2024	33-39	www.bipic.icpm.tuiasi.ro	10.5281/zenodo.13308093
13	C. Maxim, D. Turcov, A. G. Bulgaru, Suteu D	Maxim, Bulgaru, Suteu - TUIASI/ F, Iasi	Squalene – background and perspectives in cosmeceuticals formulas	Bulletin of the Polytechnic Institute of Iasi, Section Chemistry and Chemical Engineering	2537-2947	70(74), No 1	2024	47-57	EBSCO	doi: 10.5281/zenodo.11145431
14	Hanganu D., Favier L., Harja M., Nistor L., Tataru-Farmus R.-E., Harja M., TUIASI, Gabriela Antoaneta	Hanganu D./TUIasi, Favier L./Rennes, Harja M./TUIasi, Nistor L./TUIasi, Tataru-Farmus R.-E./TUIasi, Harja M./TUIasi, Antoaneta Gabriela/UMF Iasi	Methods for antibiotics removal: a comprehensive analysis	Romanian Chemical Engineering Society Bulletin	2360-4697	11 (2)	2024	28-37	INDEX COPERNICUS	
15	Nistor L., Tataru-Farmus R.-E., Harja M., TUIASI, Gabriela Antoaneta	Nistor L./TUIasi, Tataru-Farmus R.-E./TUIasi, Harja M./TUIasi, Antoaneta Gabriela/UMF Iasi	Current researches for organic compounds removal using BiFeO3	Romanian Chemical Engineering Society Bulletin	2360-4697	11 (2)	2024	38-42	INDEX COPERNICUS	
16	Gabriela Antoaneta Apostolescu, Mihaela Aurelia Vizitiu, Isabela Constanta Luchian, Valeria Dubășari, Ioana Isabela Zaharia, Stefania Alexandra Bobes, Cătălin Dumitrel Balan, Ramona Elena Tătaru Fărmuș, Nicolae	Apostolescu, Vizitiu, Isabela Constanta Luchian, Valeria Dubășari, Ioana Isabela Zaharia, Stefania Alexandra Bobes, Cătălin Dumitrel Balan, Ramona Elena Tătaru Fărmuș, Nicolae / TUIASI	The Photocatalytic Degradation of Ceftriaxone in Wastewater Using Hybrid ZnS-ZnO Photocatalyst	BULETINUL INSTITUTULUI POLITEHNIC DIN IASI, Sectia CHIMIE si INGINERIE CHIMICA	2537-2947	70(74)	2024	89-100	Copernicus	DOI: 10.5281/zenodo.11145904
17	Liliana Lazăr, Georgiana Mardare (Bălușescu), Dumitru Coman	TUIASI	Qualitative and quantitative analysis of impurities in chloroquine chloride: A review	Buletinul Institutului Politehnic din Iasi, Sectia Chimie si Inginerie Chimica	2537-2947, 0254-7104	70(74), Fasc. 2	2024	77-91	Index Copernicus	10.5281/zenodo.13308330
18	Valeria Danilova, Liliana Lazar, Florin Bandrabu, Ioan Mănăliș	TUIASI	The influence of mass transport on the electrocrystallisation process	Buletin of Romanian Chemical Engineering Society	2360-4697	11(1)	2024	87-98	Index Copernicus	
19	POSTOLACHE LV, PALARIU A, NICUȚĂ A-M, SĂVUC G-C, SMOUL G and LIȘA G.	Postolache, Palariu, Nicuț, Săvuc, Lișă/TUIasi	STUDIES ON ENERGY RECOVERY OF TEXTILE WASTE	BULETINUL INSTITUTULUI POLITEHNIC DIN IASI, CHIMIE si INGINERIE CHIMICA	2537-2947	2, 70(74)	2024	8-18	IndexCopernicus	10.5281/zenodo.13307797
20	ABDOURAMANE Nsangou, DOINA SIBESCU, DF Nkemaja, PIERRE MARCEL ANICET Noah, FABIEN EBANDA Betene, GV Hambaté/Camerun, DOINA SIBESCU/TUIasi	ABDOURAMANE Nsangou, DF Nkemaja, PIERRE MARCEL ANICET Noah, FABIEN EBANDA Betene, GV Hambaté/Camerun, DOINA SIBESCU/TUIasi	Aloe vera gel as a biomordant in the finishing of vegetable textiles: a review	BULETINUL INSTITUTULUI POLITEHNIC DIN IASI, CHIMIE si INGINERIE CHIMICA	2537-2947	4, 72	2024	31-36	IndexCopernicus	DOI: 10.5281/zenodo.7539811

21	IULIAN BERLADEAN, AUREL SIMON, IRINA CĂRLESCU, NICOLAE HURDUC	TUIASI	SYNTHESIS AND CHARACTERIZATION OF AZOBENZENE ALKYLATED MESOGEN WITH FLUORINE SUBSTITUENT	BULETINUL INSTITUTULUI POLITEHNIC DIN IASI	2537-2947	70(74)	2024	101-105	IndexCopernicus ICV	10.5281/zenodo.11146121
2023										
1	Toma A.C., Volf I.	Toma, Volf/Tuiasi	A short review on urban air pollution and innovative bio-remedial approaches	Bulletin of Polytechnic Institute of Iasi, Chemistry and Chemical Engineering Section	2537-2947; 0254-7104	69 (73), 3	2023	87-101	Copernicus, CiteAlert	105281/zenodo.10072450
2	Bărbăneanu G., Apopei P., Gavrilescu D., Gherghel A., Teodosiu C.	Bărbăneanu G., Apopei P., Gavrilescu D., Gherghel A., Teodosiu C./ TUIASI	Chicken manure valorisation by forced aeration in vessel composting at laboratory scale	The Bulletin of the Polytechnic Institute from Iasi/Chemistry and Chemical Engineering Section	2537-2947; 0254-7104	69(73), fasc.3	2023	87-101	IndexCopernicus; CiteFactor; OPEN AIR; CNCSIS	10.5281/zenodo.10072450
3	Dana-Mihaela Asimihicese, Maria Gavrilescu	Universitatea Tehnica "Gheorghe Asachi" din Iasi	Contamination of medicinal plants with heavy metals and identification of potential human health risks	Buletinul Institutului Politehnic din Iasi, Sectia Chimie si Inginerie Chimica	2537-2947	Nr. 3 vol. 69	2023	21-38	Index Copernicus Cite Factor Open Aire DOI Zenodo	10.5281/zenodo.8162216
4	Liliana Lazar, Gabriela Lisa, Gabriela Soreanu, Maria Harja/TUIASI	Liliana Lazar, Gabriela Lisa, Gabriela Soreanu, Maria Harja/TUIASI	CONVERSION OF PLASTER MOLDS WASTES INTO THE NEW INORGANIC PRODUCTS BY THERMAL DEHYDRATION	Ecology & Safety	1314-7234	17	2023	24-34	Scientific Electronic Library eLibrary Russia	
5	Subburazan Marilena-Adela	Subburazan Marilena-Adela/TUIASI	Effects of the Relative Humidity of Atmosphere on Performance of n -Hexane Vapors Adsorption Under Static Conditions	Buletinul Institutului Politehnic din Iasi,	ISSN: 2537-2947 ISSN-L: 0254-7104	69 (73)	2023	67-79	INDEX COPERNICUS	DOI: 10.5281/zenodo.8162888
6	A.A. Ciobanu, L. Murteanu, G. Vasile, Laura Bulgariu	A.A. Ciobanu, L. Murteanu, Laura Bulgariu/TUIASI, G. Vasile/FCOIND Bucuresti	Evaluation of the bioadsorption performance of marine green algae biomass (Ulva lactuca sp.) in the removal of inorganic pollutants	The Bulletin of the Polytechnic Institute of Iasi, Section Chemistry and Chemical Engineering	2537-2947	69(73)	2023	93-104	IndexCopernicus	10.5281/zenodo.7767225
7	Tiberius Balaes, Catalin Tanase, Gabriela Soreanu, Constantin Mardari, Igor Cretescu	Tiberius Balaes, Catalin Tanase/UAIC, Gabriela Soreanu/TUIASI, Constantin Mardari/UAIC, Igor Cretescu/TUIASI	SOIL FUNGI RESISTANT TO ORGANIC POLLUTANTS AS A POTENTIAL SOLUTION FOR AIR BIOFILTRATION	Ecology & Safety	1314-7234	17	2023	16-23	Scientific Electronic Library eLibrary Russia	
8	Vrabie Mihai, Căftanachi Mihaela, Cretescu Igor, Harja Maria	Vrabie Mihai, Căftanachi Mihaela/TUIASI, Gemite RO, Cretescu Igor, Harja Maria/TUIASI	THE USE OF WATER REDUCING ADDITIVES FOR DEVELOPMENT OF NEW ECOLOGICAL AND HIGH-PERFORMANCE MATERIALS	Ecology & Safety	1314-7234	17	2023	44-57	Bielefeld academic search engine (BASE), Germany	
9	Cobzaru C., Cobilita C. E., Danu M., Apostolescu A. G., Cernătescu C.	TUIASI	Rheological study of cosmetic creams with basil extracts obtained by maceration	Bul. IPI	2537-2947	69(73) 3	2023	19-26	www.bipic.icpm.tuiasi.ro	10.5281/zenodo.10072397
10	Tităruș R.M., Apostolescu N., Cobzaru C., Apostolescu G. A., Cernătescu C., Dragoi E. N., Vizitiu M.A., Pevoni M.	TUIASI	Study on the viscosity of solvents based on alanine and potassium carbonate	Bul. IPI	2537-2949	69(73) 2	2023	9-20	www.bipic.icpm.tuiasi.ro	10.5281/zenodo.8162852
11	M. Ivančič, S. Creangă, A. M. Mocanu, A. Ciobanu, A. Serban	Ivančič/USAMV Iasi, Creangă/USAMV Iasi, Mocanu/USAMV Iasi, Serban/USAMV Iasi	Adaptive response of carp to aquatic environment changes: A case study	article						
12	Vasilu L., Lazar L., Fanache M., Harja M.	Vasilu L., Lazar L., Fanache M., Harja M.	Analysing of possibilities to use of alternative fuels as energy sources	article						
13	ABDOURAMANE NSANGOU, DOINA SIBIESCU, PIERRE MARCEL ANICET NOAH, NKEMAJA DYDIMUS EFZE, FABIEN EBANDA BETENE, BENJAMIN CASTRO MPAH EKOUME, VALERY HAMBATÉ GOMDIÉ	ABDOURAMANE NSANGOU, PIERRE MARCEL ANICET NOAH, NKEMAJA DYDIMUS EFZE, FABIEN EBANDA BETENE, BENJAMIN CASTRO MPAH EKOUME/ University of Douala, Cameroon, SIBIESCU/TUIASI, NKEMAJA DYDIMUS EFZE/HTTC Bamili-University of Bamenda, Cameroon, VALERY HAMBATÉ GOMDIÉ/University of Maroua, Cameroon	BENCHMARKING ON ALOE VERA GEL EXTRACTION	BULETINUL INSTITUTULUI POLITEHNIC DIN IASI Publicat de Universitatea Tehnică „Gheorghe Asachi” din Iasi						
14	Martinay-Ioniș S. L., Apostolescu G.A., Harja, M.	Martinay-Ioniș S. L., Apostolescu G.A., Harja, M.	Considerations for recovering valuable materials from electronic waste	BULETINUL INSTITUTULUI POLITEHNIC DIN IASI Publicat de Universitatea Tehnică „Gheorghe Asachi” din Iasi	Volumul 69 (73), Numărul 1, CHIMIE și INGINERIE CHIMICĂ	69 (73)	2023	75-86	CiteFactor, Zenado	DOI: 10.5281/zenodo.10072445
15	Lazar L., Lisa G., Soreanu G., Harja M.	Lazar L., Lisa G., Soreanu G., Harja M.	Conversion of plaster molds wastes into the new inorganic products by thermal dehydration	Ecology & Safety	1314-7234	17	2023	24-34	Semantic Scholar, CiteSeerX	https://www.scientific-publications.net/en/article/1002621/
16	Lisa C, Carțeanu S, Hurduc N, Hurduc N	Lisa, Carțeanu, Hurduc/TUIASI, Hurduc/UAIC	Estimation of thermal stability of some copolyethers liquid crystals using artificial neural networks	Bulletin of Romanian Chemical Engineering Society	2360-4097	10(1)	2023	67-76	COPERNICUS INTERNATIONAL	
17	Cernătescu M. M., Cobzaru C., Cernătescu C.	TUIASI	Exploring hesperidin's antiviral properties against SARS-CoV-2: mechanisms of action and protective effects	Bul. IPI	2537-2950	69(73) 4	2023		www.bipic.icpm.tuiasi.ro	
18	D TURCOV, A C PEPTU, A ZBRANCA, D SITEU	TUIASI si Zbranca/UMF	IN VITRO EVALUATION OF THE DERMATOCOSMETIC EMULSIONS BASED ON SAFFRON (CROCUS SATIVUS) ALCOHOLIC EXTRACTS	BULETINUL INSTITUTULUI POLITEHNIC DIN IASI		69(73)-12	2023	39-46	INDEX COPERNICUS	10.5281/zenodo.8162661
19	Trifaș L.M., Ciobanu G., Harja M.	Trifaș L.M./TUIASI, Ciobanu G./TUIASI, Harja M./TUIASI	Methods of obtaining magnesium nanostructured adsorbent materials	Buletinul Institutului Politehnic din Iasi, Sectia Chimie și Inginerie Chimică	2537-2947	69(73) / 1	2023	105-113	Index Copernicus	https://doi.org/10.5281/zenodo.7767263
20	Căftanachi M. Vrabie M., Cotofan I.A., Harja M.	Căftanachi M. Vrabie M., Cotofan I.A./Gemite, Harja M., Harja M.	Microplot scale testing of advanced inorganic materials obtained from wastes	#REF!	#REF!	69 (73)	2023		Citefactor, Zenado	
21	Shushkov, D.A., Kotova, O.B., Sun, S., Harja, M.	Shushkov, D.A./Komi, Kotova, O.B./Komi, Sun, S./China, Harja, M./Tuiasi	Physico-chemical Properties of Analcime-Bearing Rocks of Timan	Springer Proceedings in Earth and Environmental Sciences	2524-342X	0	2023	514 - 522	Scopus	DOI:10.1007/978-3-031-23390-6_65
22	Cernătescu C., Potop C. M., Cernătescu M. M., Cobzaru C.	TUIASI	Quantitative analysis of lemon juice	Bul. IPI	2537-2951	69(73) 4	2023		www.bipic.icpm.tuiasi.ro	
23	Vasilu L., Lazar L., Harja M.	Vasilu L., Lazar L., Harja M.	Reducing the carbon dioxide footprint of inorganic binders industry	Ecology & Safety	1314-7234	17	2023	35-43	Semantic Scholar, CiteSeerX	https://www.scientific-publications.net/en/article/1002622/
24	COBZARU C., COBILITĂ C.E., DANU M., APOSTOLESCU A.G., CERNĂTESCU C.	TUIASI	Rheological Study of Cosmetic Creams with Basil Extracts Obtained by Maceration	Bul. IPI	2537-2947	69 (73), 3	2023	19-26	IndexCopernicus	https://doi.org/10.5281/zenodo.10072397
25	Ponariadov, A.V., Kotova, O.B., Sun, S., Harja, M.	Ponariadov, A.V./Komi, Kotova, O.B./Komi Sun, S./China, Harja, M./Tuiasi	Sorption of Phosphorus on Leucosene: Experimental Studies	Springer Proceedings in Earth and Environmental Sciences	2524-342X	0	2023	507-513	Scopus	DOI:10.1007/978-3-031-23390-6_64
26	Zaharia C., Iacob Tudose E.T.	FCPM	Spinning disc technology for textile wastewater treatment – characteristics, modeling and optimization study	Buletin of Romanian Chemical Engineering Society	2537-2947	69(73)	2023	27-45	Copernicus	DOI: 10.5281/zenodo.7767015
27	COBZARU C., APOSTOLESCU G.A., VIZITIU M.A., TĂȚĂRUȘ R.M., APOSTOLESCU N., CERNĂTESCU I.	TUIASI	Study on the Effect of UV Radiation Over Time on the Oily Maceration of Hot Peppers	Bul. IPI	2537-2947	69 (73), 2	2023	59-66	IndexCopernicus	https://doi.org/10.5281/zenodo.8162852
28	Gabriela Carja, Corina Eugenia Ignat	Universitatea Tehnica Gheorghe Asachi din Iasi	Using XRD and TG/DTG/DSC Studies to Follow the Structural Changes Induced by the Substitution of Al ³⁺ with Ga ³⁺ in 2-D Zn-rich Layered Double hydroxides Matrices	Buletinul Institutului Politehnic din Iasi, sectia Chimie	2537-2947	69(73)/no 1	2023	9-17	copernicus	10.5281/zenodo.7766972
29	Vrabie M, Căftanachi M, Cotofan AI, Harja M	Vrabie M, Căftanachi M, Cotofan AI/Gemite, Harja M	Wastes used for obtaining sustainable building materials	Buletinul Institutului Politehnic din Iasi, Sectia Chimie și Inginerie Chimică	2537-2947	69 (73)	2023	115-126	CiteFactor, Zenado	DOI:10.5281/zenodo.7767280
2022										
1	ABDOURAMANE NSANGOU, DOINA SIBIESCU, DYDIMUS EFZE NKEMAJA, PIERRE MARCEL ANICET NOAH, FABIEN EBANDA BETENE and VALERY HAMBATÉ GOMDIÉ	ABDOURAMANE NSANGOU/Department of Mechanical Engineering, ENSET, University of Douala, BP 1872, Douala, Cameroon, DOINA SIBIESCU/TUIASI, DYDIMUS EFZE NKEMAJA/HTTC Bamili-University of Bamenda, Cameroon, PIERRE MARCEL ANICET NOAH/Department of Mechanical Engineering, ENSET, University of Douala, BP 1872, Douala, Cameroon, FABIEN EBANDA BETENE/Department of Mechanical Engineering, ENSET, University of Douala, BP 1872, Douala, Cameroon and VALERY HAMBATÉ GOMDIÉ/Departments of Textile and Leather Engineering, ENSPM, University of Maroua, Cameroon	Aloe Vera Gel as a Biomordant in the Finishing of Vegetable Textiles: A Review	BULETINUL INSTITUTULUI POLITEHNIC DIN IASI Publicat de Universitatea Tehnică „Gheorghe Asachi” din Iasi Volumul 68 (72), Numărul 4, 2022 Sectia CHIMIE și INGINERIE CHIMICĂ	ISSN: 2537-2947	0,68	2022	31-36	Copernicus	
2	Ciobanu R., Mihai M., Teodosiu C.*	Mihai M. /"Petru Poni" Institute of Macromolecular Chemistry, Iasi, Romania; Ciobanu R., Teodosiu C. /TUIASI	An Overview of Natural Organic Matter Removal by Coagulation in Drinking Water Treatment	Buletinul Institutului Politehnic, Sectia Chimie și Inginerie Chimică, Bul. Inst. Polit. Iasi	2537-2947	Volumul 68 (72), Numărul 4	2022	69-92	IndexCopernicus	
3	Raluca-Maria Tabuleac, Maria Gavrilescu	Raluca-Maria Tabuleac, Maria Gavrilescu/ Universitatea Tehnica Gheorghe Asachi din Iasi	An Overview on Phytoremediation as a Promising Technology for Environmental Depollution	BULETINUL INSTITUTULUI POLITEHNIC DIN IASI, Sectia CHIMIE și INGINERIE CHIMICĂ	2537-2947	68(72)	2022	79-108	Index Copernicus, CiteFactor, CNCSIS	
4	Pintilie L., Sava A.E., Dragoi E.N., Teodosiu C.	Sava A.E./ APAVITAL, Iasi, Romania; Pintilie L, Dragoi E.N., Teodosiu C./TUIASI	Application of Response Surface Method for Optimization of Eriochrome Black T Removal by Adsorption	Buletinul Institutului Politehnic, Sectia Chimie și Inginerie Chimică, Bul. Inst. Polit. Iasi	2537-2947	Volumul 68 (72), Numărul 4	2022	37-52	IndexCopernicus	

5	Anton C., Curteanu S.	Anton C./TUIASI, Curteanu S./TUIASI	Assessment of the impact of changes in the combustion process in a brick-making plant which the manufacturing mix changes	Buletinul Institutului Politehnic Iasi	2537-2947	68(72), nr.1	2022	43-50	www.bipicp.icpm.tuliasi.ro
6	Cristina-Maria Herghiligiu, Nicolae Hurduc		Azo-polyisoxanes - surface properties studies	Buletinul Institutului Politehnic din Iasi	2537-2947	68 (72), nr 2	2022	17 - 26	ICV Copernicus, Cite Factor, CNCIS
7	Tataru-Framus R.E., Zaharia C.*, Suteu D., Blaga A.C.	Tataru-Framus R.E., Zaharia C.*, Suteu D., Blaga A.C./ UTias/FICPM	BIOMASS-BASED SOIL IN ECOLOGICAL AGRICULTURE: CHARACTERISTICS AND WHEAT GRAINS DEVELOPMENT TRENDS	Journal of Applied Life Sciences and Environment	2784-0360	3 (187)	2021 (acceptat ianuarie 2022 / publicat febr. 2022)	273-288	Clarivate
8	ET Iacob Tudose, M Kawaji	IacobTudose/FICPM. Kawaji/CCNY_USA	Bubble shape influence on slug flow acceleration mechanism	Buletinul IPIasi	2537-2947	68(72), 4	2022	9--20	INDEX COPERNICUS
9	G. Soreanu, C. Mardari, C. Tanase, I. Volf, L. Lazar, I. Cretescu	G. Soreanu/TUIASI, C. Mardari, C. Tanase/UAIC, I. Volf, L. Lazar, I. Cretescu/TUIASI	Carbon dioxide reduction potential of some plants involved in the removal of air pollutant mixtures by biofiltration	Ecology & Safety	1314-7234	16	2022	27-33	Scientific Electronic Library eLibrary Russia
10	Apostolescu N., Vizitiu M.A., Cernătescu C., Tătaru-Fărmuș R.E., Cobzaru C., Apostolescu G. A.,	TUIASI	Current trends in the recovery of precious metals from electrical and electronic waste	Buletinul Institutului Politehnic din Iasi	2537-2947	68 (72), 1	2022	51-74	www.bipicp.icpm.tuliasi.ro
11	PAULA SIMIONESCU, ANAMARIA POROHNIUC, ANISOARA AIONESEI, VALENTIN PANAIT and GABRIELA USA	Simionecu, Porohniuc, Aionesei, Panait, Lisa/TUIASI	EVALUATION OF THE FAT CONTENT OF SPREADABLE FOODS	BULETINUL INSTITUTULUI POLITEHNIC DIN IASI, Sectia CHIMIE și INGINERIE CHIMICĂ	2537-2947	68(72)	2022	9-16	INDEX COPERNICUS
12	Zaharia C., Simion M., Volf I	Zaharia C., Simion M., Volf I/TUIasi	Ex-situ remediation of a petroleum hydrocarbons contaminated soil	BIPI	2537-2947	68 (73), 2	2022	91-106	Index Copernicus
13	Zaharia C.*	Zaharia C.*/TUIASI/FICPM	HABILITATION THESIS SUMMARY Innovative wastewater treatment technologies: opportunities, perspectives and challenges	Buletinul Institutului Politehnic din Iasi	2537-2947	68 (72) (2)	2022	61-64	Copernicus
14	IA Cotofan, M Caftanachi, M Vrabie, M Harja	Cotofan IA, Caftanachi M, Vrabie M/Gemite, Harja M/TUIasi,	Methods for obtaining of new add-value materials by fly-ash modification	Buletinul Institutului Politehnic din Iasi	2537-2947	68(2)	2022	37-49	IndexCopernicus
15	ET Iacob Tudose	ET Iacob Tudose/FICPM	Modeling of noncatalytic gas-solid reactions. The reaction zone thickness	Buletinul IPIasi	2537-2947	68(72), 3	2022	9-- 23	INDEX COPERNICUS
16	Armanu G.E., Volf I.	Armanu G.E., Volf I./ TUIasi	Natural carriers for bacterial immobilization used in bioremediation	BIPI	2537-2947	68 (72), 3	2022	109-122	Index Copernicus
17	Vinaga Mihail, Corina Cernatescu, Alexandra Cristina Blaga	TUIASI	Natural Extracts Used To Prevent Microbial Contamination Of Cosmetic Products	Buletinul Institutului Politehnic din Iasi	2537-2947	68(72)	2022	53-68	IndexCopernicus ICV 2020: 82.41
18	B. Azanfire, Laura Bulgariu	B. Azanfire, Laura Bulgariu/TUIASI	Optimization of process parameters for retention of Cd(II) ions adsorption from aqueous solutions on clay materials	The Bulletin of the Polytechnic Institute of Iasi, Section Chemistry and Chemical Engineering	2537-2947	68(4)	2022	21-30	Index Copernicus
19	G. Soreanu, C. Mardari, C. Tanase, I. Volf, V. Maier, I. Cretescu	G. Soreanu/TUIASI, C. Mardari, C. Tanase/UAIC, I. Volf, V. Maier, I. Cretescu/TUIASI	Preliminary assessment of air purification by aerial plant based biofilter	Ecology & Safety	1314-7234	16	2022	34-41	Scientific Electronic Library eLibrary Russia
20	ABDOURAMANE NSANGOU , DOINA SIBIESCU, DYDIMUS NKEMAJA EFEZE, PIERRE MARCEL ANICET NOAH, FABIEN EBANDA BETENE and VALERY HAMBATE GOMDIE	ABDOURAMANE NSANGOU/Department of Mechanical Engineering, ENSET, University of Douala, BP 1872, Douala, Cameroon, DOINA SIBIESCU/TUIASI, DYDIMUS EFEZE NKEMAJA/HTTC Bambili-University of Bamenda, Cameroon, PIERRE MARCEL ANICET NOAH/Department of Mechanical Engineering, ENSET, University of Douala, BP 1872, Douala, Cameroon, FABIEN EBANDA BETENE/Department of Mechanical Engineering, ENSET, University of Douala, BP 1872, Douala, Cameroon and VALERY HAMBATE GOMDIE/Departments of Textile and Leather Engineering, ENSPM, University of Maroua, Cameroon	PRELIMINARY STUDY ON THE INTERACTION OF SKIN MICROBES IN THE DEVELOPMENT OF COSMETIC AND TEXTILE PRODUCTS: A REVIEW	BULETINUL INSTITUTULUI POLITEHNIC DIN IASI Publicat de Universitatea Tehnică „Gheorghe Asachi” din Iasi Volumul 68 (72), Numărul 3, 2022 Sectia CHIMIE și INGINERIE CHIMICĂ	ISSN: 2537-2947	0,68	2022	47-53	Copernicus
21	I. Cretescu, R. Borodav, D. Lutic, G. Soreanu, L. Lazar, J. Gitlestad, E. Zubcov	I. Cretescu/TUIASI, R. Borodav/Moldova State Univ., D. Lutic/UAIC, G. Soreanu, L. Lazar/TUIASI, J. Gitlestad/MBU Norway, E. Zubcov/Acad. of Sci. of Moldova	Redox state assessment for the Danube water in the Sulina channel using a mobile water quality monitoring station	ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATI – FASCICLE II	1221-4531	FASCICLE II, YEAR XIV (XLV), No. 2	2022	122-125	EBSCO, Academic Search Complete, Academic Search Elite, Academic Search Premier, Academic Search Ultimate, Mathscinet, STM Source
22	Cobzaru C., Cobiliță C.E., Danu M., Ibanescu C., Apostolescu G. A., Tătaru-Fărmuș R.E., Apostolescu N., Cernătescu C.,	Cobzaru C., Cobiliță C.E., Danu M., Ibanescu C., Apostolescu G. A., Tătaru-Fărmuș R.E., Apostolescu N., Cernătescu C., /TUIASI	Reological behavior of cold cream with concentrated soxhlet alcoholic extract of basil	Bul. IPI	2537-2949	68 (72), 2	2022	51-60	www.bipicp.icpm.tuliasi.ro
23	Tătaru-Fărmuș R.E., Apostolescu N., Cernătescu C., Cobzaru C., Poroch M.,	TUIASI	Screening of the amino acid-based solvents for carbon dioxide absorption	Buletinul Institutului Politehnic din Iasi	2537-2948	68 (72), 1	2022	76-89	www.bipicp.icpm.tuliasi.ro
24	I.D. Tanasă, A.E. Bulgariu, C. Sirigeanu, Laura Bulgariu	I.D. Tanasă, A.E. Bulgariu, C. Sirigeanu, Laura Bulgariu/ TUIASI	Spectrophotometric determination of refampicin in aqueous solution	The Bulletin of the Polytechnic Institute of Iasi, Section Chemistry and Chemical Engineering	2537-2947	68(3)	2022	25-34	Index Copernicus
25	CZaharia, ET Iacob Tudose	ET Iacob Tudose/FICPM	Spinning disc technology for textile wastewater treatment – characteristics, modeling and optimization study	Buletinul IPIasi	2537-2947	69(73), 1	2023		INDEX COPERNICUS
26	Cristina-Maria Herghiligiu, Nicolae Hurduc	TUIASI	Surface Modification Induced by Aqueous Environment of Nucleobase-Modified Azo-Polyisoxanic Films	Buletinul Institutului Politehnic din Iasi	2537-2947	68 (72), nr 3	2022	35 - 45	ICV Copernicus, Cite Factor, CNCIS
27	David Mihaela, Maria Gavrilescu	David Mihaela, Maria Gavrilescu/ Universitatea Tehnica Gheorghe Asachi din Iasi	Sustainable Management, Treatment and Recovery of Waste in an European Context: Urban Mining and the Circular Economy	BULETINUL INSTITUTULUI POLITEHNIC DIN IASI, Sectia CHIMIE și INGINERIE CHIMICĂ	2537-2947	68(72)	2022	55-77	Index Copernicus, CiteFactor, CNCIS
28	AgavrioloieOM , Harja M.,	AgavrioloieOM , Harja M./TUIasi	Syngas as a viable solution for liquid waste capitalization	Buletinul Institutului Politehnic din Iasi	2537-2947	68(1)	2022	009-23	IndexCopernicus

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1	Igor Cretescu, Sorina Calin, Zsofia Kovacs, Elena Niculina Dragoi, Dan Padure, Liliana Lazar, Gabriela Soreanu	Cretescu, Calin/TUIASI, Kovacs/Hungary, Dragoi, Padure, Lazar, Soreanu/TUIASI	ACTUAL ASPECTS CONCERNING THE WATER QUALITY MONITORING ON THE SULINA CHANNEL FROM THE DANUBE DELTA - ROMANIA	Ecology & Safety	1314-7234	15	2021	21-36	Scientific Electronic Library eLibrary Russia
2	Bejenari I, Apostolescu GA , Volf I	TUIASI	Assessment of Crude Liquid Phase Resulted in Hydrothermal Carbonization of Spruce Bark Wastes	Bul. IPI	2537-2948	67(71)-2	2021	43-52	www.bipicp.icpm.tuliasi.ro
3	Cioabanu G., Favier L., Harja M.,	Cioabanu G./TUIasi Favier L./Franta Harja M.,/TUIasi	Asymmetric cellulose acetate membranes used in separation applications.	Journal of Applied Life Sciences and Environment	2784 - 0360	LIV, No. 1, (185)	2021	70-76	Cab International
4	Minuț, M., Roșca, M., Cozma, P., Diaconu, M., Gavrilescu, M.	TUIASI	Behavior of plants and microorganisms in the presence of inorganic pollutants	Analele Academiei Oamenilor de Stiinta din Romania - Sectia Stiinta Fizico-Chimice	2537-4761	6	2021	pag. 1-16	Index Copernicus
5	Soreanu G., Diaconu M., Maier S.S., Volf I., Cretescu I.	Soreanu, Diaconu, Maier, Volf, Cretescu /TUIASI	Enhancing the environmental performance of biotrickling filters treating volatile organic compounds in air	IOP Conf. Series: Earth and Environmental Science	1755-1315	906 (2021) 012124	2021	7p	SCOPUS
6	MINDIȘ, A., LISA, C., MĂMĂLIȘĂ, I., LISA, G.	Mihaila, Lisa, Mămălișă, Lisa/Tulasi	Evaluation of the Drying Process of Some Varnishes and Paints Applied on Fir Wood	Buletinul Institutului Politehnic din Iasi. Sectia Chimie și Inginerie Chimică	2537-2947	67(71), nr. 3	2021	63-72	IndexCopernicus
7	Mariana Diaconu, Irina Volf, Elena Raluca Bulai, Catalin Dumitrel Balan	Elena Raluca Bulai/Univ "Stefan Cel Mare" Suceava	Evaluation of the toxicity of some heavy metals on yeasts using a diffusimetric method of analysis	Buletinul Institutului Politehnic din Iasi	ISSN: 2537-2947/ISSN-1.0254-7104	Volumul 67 (71) Numărul 3,	2021	43709	IndexCopernicus
8	Buema G., Lupu N., Chiriac H., Herea D. D., Favier L., Cioabanu G., Forminte (Lit) L., Harja M.*	Buema G./Fiz Teh Lupu N./Fiz Teh Chiriac H./Fiz Teh Herea D. D./Fiz Teh Favier L./Franta Cioabanu G./TUIasi Forminte (Lit) L./TUIasi Harja M.*/TUIasi	Fly ash magnetic adsorbent for cadmium ion removal from an aqueous solution	Journal of Applied Life Sciences and Environment	2784 - 0360	LIV, No. 1, (185)	2021	42-50	J-Cite
9	Coșbuc E.D., Ungureanu-Comăniță E.-D., Gavrilescu M.	TUIASI	Food Waste: Current Trends, Global Perspectives and Impacts	Buletinul Institutului Politehnic din Iasi - Sectia Chimie și Inginerie Chimica	2537-2947	67(71)	2021	pag. 9-21	Index Copernicus

10	Vasilachi, I.C., Gavrilăscu M.	TUIASI	Methods for the remediation of soils polluted with heavy metals	Buletinul Institutului Politehnic din Iasi - Sectia Chimie si Inginerie Chimica	2537-2947	67(71)	67(71)	23-40	Index Copernicus	
11	Soreanu G., Diaconu M., Maier S.S., Volf I., Cretescu I.	Soreanu, Diaconu, Maier, Volf, Cretescu /TUIASI	Moving forward sustainable solutions for VOCs biotrickling filtration through co-immobilised microorganisms	Romanian Journal of Ecology & Environmental Chemistry	2668-8530	3(2)	2021	54-60	Google Scholar	
12	Iacob Tudose E.T.	UTI	Observations on the spinning disc micromixing characteristics	Buletinul IPI	2537-2947	67(71), 2	2021	23-32	Cite Factor	
13	C.S. Ciobanu, D. Bulgariu, B. Azanfire, Laura Bulgariu	D.Bulgariu/UAIC	Obtaining PET-clay adsorbent materials and their use for the removal of Pb(II) ions from aqueous media	The Bulletin of the Polytechnic Institute of Iasi, Section Chemistry and Chemical Engineering	2537-2947	67(71), no.3	2021	29-38	IndexCopernicus	
14	Cobzaru C., Cobiliță C.E., Cernătescu C.	TUIASI	Qualitative Analysis of Eugenol and Polyphenolic Compounds in Basil	Bul. IPI	2537-2948	67(71)-4	2021	53-65	www.bipcc.icpm.tulasi.ro IndexCopernicus ICV 2020: 82.42	
15	Filote C., Ciupercă O.T., Volf I.	Tulasi	Qualitative assesment of polyphenols extracted from Fucus spiralis biomass through high-performance thin-layer chromatography	Buletin of Polytechnic Institute of Iasi, Chemistry and Chemical Engineering section	2537-2947	67 (71), 2	2021	41-49	Index Copernicus	
16	Ciobanu G., Harja M.	Ciobanu G./Tulasi Harja M./Tulias	Removal of nickel from wastewater using ultrafiltration membranes	Buletinul Institutului Politehnic din Iasi, Chimie si Inginerie Chimica.	2537-2947	67(71)	2021	0-16	Cite Factor	
17	Șuteu D. *, Blaga A.C., Zaharia C., Horciu I.L.	Suteu,Blaga,Zaharia,Horciu/UTIASI	Residual Biomass of Lactobacillus immobilized in alginate for Orange 16 dye retention from aqueous medium	Buletinul Institutului Politehnic din Iasi, seria: Chimie si Inginerie Chimica	2537-2947	67 (71) (3)	2021	63-72	ICI Journals Master List 2020/Copernicus	
18	Mardari C., Tanase C., Volf I., Cretescu I., Soreanu G.	Mardari, Tanase/UAIC, Volf, Cretescu, Soreanu/TUIASI	Testing the bioremediation potential for certain atmospheric pollutants of some plant species from Romania – Preliminary results	Ecology & Safety	1314-7234	15	2021	12-20	Scientific Electronic Library eLibrary Russia	
19	Mircea-Teodor Nechita, Elena Niculina Drăgoi, Adrian Cătălin Puințel, Gabriel Dan Sudrișu	TUIASI	The enhancement of ultrasound reactor design using tracer methodology	TEHNOMUS Journal	ISSN-1224-029X	28	2021	40-44	EBSCO, INDEX COPERNICUS, SCIPRO, ULRICH WEB	
20	Apostolescu G. A., Viotiu M.A., Cernătescu C., Cobzaru C., Tătaru-Fărmuș R.E. Apostolescu N.	TUIASI	Thermochromic materials: oxides with applications in intelligent technologies,	Bul. IPI	2537-2947	67(71)-1	2021	50-65	www.bipcc.icpm.tulasi.ro IndexCopernicus ICV 2020: 82.41	
21	I. Fustep-Dămoș, C. A. Peptu, T. Mălutan	TUIASI	Thiolated chitosan for biomedical application	Buletinul Institutului Politehnic din Iasi	2537-2947	67	2021	51-62	index copernicus	