UNIVERSITATEA DIN BACĂU
FACULTATEA DE INGINERIE

UNIVERSITATEA "VASILE ALECSANDRI" din BACĂU
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RAPORT PRIVIND ACTIVITATEA DE CERCETARE A FACULTĂȚII DE INGINERIE ÎN ANUL 2022
SITUATIA CENTRALIZATĂ

1. Lucrări științifice/tehnice publicate în 2022 în reviste de specialitate cotate ISI

Nr. crt	*Anul*	*Autor(i)*	*Titlul articolului*	*Revista*	*Factor de impact 2021 Pondere Facultate Pondere Univ*	*ISSN*
1.	2022	Grigoraş, C.G., Simion, A.I., Favier L., Drob, C., Gavrilă, L.	Performance of dye removal from single and binary component systems by adsorption on composite hydrogel beads derived from fruits wastes entrapped in natural polymeric matrix	Gels, 2022, 8 (12), 795, https://doi.org/10.3390/gels8120795 WOS: 000901031500001	4,432 0,8 0,8	2310-2861 (eISSN)
2.	2022	El Baktaoui, M., Hadj-Abdelkader, N.E.H., Benghaffour, A., Arus, V.-A., Bennani-Daouadji, N., Belkhadem, F., Roy, R., Azzouz, A.	Clay-catalyzed ozonation of hydrotalcite-extracted lactic acid potential application for preventing milk fermentation inhibition	Molecules, 2022, 27 (19), 6502, https://doi.org/10.3390/molecules27196502 WOS: 000867079800001	4,927 0,12 0,12	1420-3049 (eISSN)
3.	2022	Popa, O., Rosu A.-M., Nicuta D., Voicu R.E.,, Zichil V., Nistor I.D.	Factorial design to stimulate biomass development with chemically modified starch	Applied Sciences, 2022, 12 (19), 10069, https://doi.org/10.3390/app121910069 WOS: 000866633400001	2,838 0,83 1	2076-3417 (eISSN)
4.	2022	Misaila, L., Barsan, N., Nedeff, F.M., Raducanu, D., Radu, C., Grosu, L., Patriciu, O.-I., Gavrila, L., Finaru, A.-L.	Perspectives for quality evaluation of some mineral waters from Slanic Moldova	Water, 2022, 14 (19), 2942, https://doi.org/10.3390/w14192942 WOS: 000867160200001	3,530 0,77 0,88	2073-4441 (eISSN)

5.	2022	Mirila D.C., Raducanu D., Georgescu A.M., Rosu A.M., Ciboria V.A., Zichil V., Nistor I.D.	Silver nanoparticles incorporated on natural clay as an inhibitor against the new ISO SS bacteria isolated from sewage sludge, involved in malachite green dye oxidation	Molecules, 2022, 27 (18), 5791, https://doi.org/10.3390/molecules27185791 WOS: 000858816700001	4,927 0,85 1	1420-3049 (eISSN)
6.	2022	Daraban, G.M., Rusu, L., Dinica, R.M., Roşca, M., Badeanu, M., Ionica Mihaila, M.D., Suteu, D.*	Exploring the antioxidant and bioinsecticidal activity of spontaneous flora vegetal extracts for plant protection and prevention of soil contamination	Separations, 2022, 9 (9), 260, https://doi.org/10.3390/separations9090260 WOS:000859605900001	3,344 0,14 0,14	2297-8739 (eISSN)
7.	2022	Bran, P.E., Nicuţă, D., Grosu, L., Patriciu, O.-I., Alexa, I.-C.	Investigation regarding the potential application of grape pomace extracts on in vitro plant growth and development	Ovidius University Annals of Chemistry, 2022, 33 (2), 135-142 https://doi.org/10.2478/auoc-2022-0020 WOS:000843699700002	0 1 1	1583-2430 2286-038X (eISSN)
8.	2022	Rusu, L., Grigoraş, C.G., Simion, A.I., Suceveanu, E.M., Schnakovszky, C., Favier, L.	Investigation into biosorption of pharmaceuticals from aqueous solutions by biocomposite material based on microbial biomass and natural polymer: Process variables optimization and kinetic studies	Polymers, 14 (16), 3388, https://doi.org/10.3390/polym14163388 WOS: 000845803200001	4,967 0,83 0,83	2073-4360 (eISSN)
9.	2022	Rusu, L., Grigoraş, C.G., Simion, A.I., Suceveanu E.M., Istrate, B., Harja, M.	Biosorption potential of microbial and residual biomass of Saccharomyces pastorianus immobilized in calcium alginate matrix for pharmaceuticals removal from aqueous solutions	Polymers, 14 (14), 2855, https://doi.org/10.3390/polym14142855 WOS: 000832305000001	4,967 0,66 0,66	2073-4360 (eISSN)
10.	2022	Rusu, L., Grigoraş, C.G., Simion, A.I., Suceveanu, E.M., Dediu Botezatu, A.V., Harja, M.	Biosorptive removal of ethacridine lactate from aqueous solutions by Saccharomyces pastorianus residual biomass/calcium alginate composite beads: Fixed-bed column study	Materials, 15 (13), 4657, https://doi.org/10.3390/ma15134657 WOS: 000824208600001	3,748 0,57 0,57	1996-1944 (eISSN)
11.	2022	Ababei, C., Ifrim, I.L., Ababei A., Alexe, C.I., Mandigout, S.	Influence of climate and nutrition on the physical training of national level long-distance runners-case study	Scientific Study & Research - Chemistry & Chemical Engineering, Biotechnology, Food Industry, 2022, 23 (2), 155-166 WOS: 000832316100006	0 0,2 0,8	1582-540X

12.	2022	Zavagna-Witt, M., Tahir, N., Arus, V.-A., Roy, R., Azzouz, A.	Synthesis of exopolysaccharide-based organo-montmorillonite with improved affinity towards carbon dioxide and hydrophilic character	Comptes Rendus – Chimie, 2022, 25 (S3), 217-225 https://doi.org/10.5802/crchim.175 WOS: 000863096800015	2,55 0,2 0,2	1631-0748 1878-1543 (eISSN)
13.	2022	Sennour, R., Pricop, D., Platon, N., Roy, R., Azzouz, A.	Optimized diffusion-convection compromise for reversible CO_2 capture on hydroxylated organo-montmorillonite	Comptes Rendus – Chimie, 2022, 25 (S3), 27-38 https://doi.org/10.5802/crchim.177 WOS: 000863096800003	2,55 0,2 0,2	1631-0748 1878-1543 (eISSN)
14.	2022	Ostache, N.-C., Paris, A., Hiebel, M-A., Fînaru, A-L., Daniellou, R., Suzenet, F., Guillaumet G.	Cytotoxic evaluation of original pyrazolo[3,4-d]thiazoles and pyrazolo[3,4-c]pyrazoles	FARMACIA, 2022, 70 (2), 258-265 https://doi.org/10.31925/farmacia.2022.2.10 WOS: 000811566200010	1,55 0,28 0,28	0014-8237 2065-0019 (eISSN)
15.	2022	Platon, N., Georgescu, A.M., Aruş, V.A., Sion, I., Silion, M., Ursu, A.V., Nistor, I.D.	Valorization of eggshells waste for bread production	Scientific Study & Research - Chemistry & Chemical Engineering, Biotechnology, Food Industry, 2022, 23 (1), 49-61 WOS: 000782910100006	0 0,57 0,57	1582-540X
16.	2022	Rusu, L., Grigoraş, C.G., Simion, A.I., Suceveanu, E.M., Blaga, A.C., Harja, M.	Encapsulation of Saccharomyces pastorianus residual biomass in calcium alginate matrix with insights in ethacridine lactate biosorption	Polymers, 14 (1), 170, https://doi.org/10.3390/polym14010170 WOS: 000759251700001	4,967 0,66 0,66	2073-4360 (eISSN)
17.	2022	Emilian Mosnegutu, Mirela Panainte-Lehadus, Valentin Nedeff, Claudia Tomozei, Narcis Barsan, Dana Chitimus, Marcin Jasinski	Extraction of mathematical correlations applied in the aerodynamic separation of solid particles	Processes, vol. 10, no .7, 1234, 2022, WOS:000832223400001	3,352 0,85 0,85	ISSN 2227-9717
18.	2022	Mirela Panainte-Lehadus, Mihai Vulpe, Valentin Nedeff, Emilian Mosnegutu, Grzegorz Przydatek, Claudia Tomozei, Dana Chitimus	Study on the Method of Household Waste Collection: Case Study	Applied Sciences, vol. 12, no. 15, 7490, 2022, WOS:000838899700001	2,838 0,85 0,85	ISSN 2076-3417

19.	2022	Nikiema, M; Barsan, N; Maiga, Y; Somda, MK; Mosnegutu, E; Ouattara, CAT; Dianou, D; Traore, AS; Nedeff, V; Ouattara, AS	Optimization of Biogas Production from Sewage Sludge: Impact of Combination with Bovine Dung and Leachate from Municipal Organic Waste	Sustainability, Vol. 14, nr. 8, 2022, WOS:000787961900001	3.889 0,3 0,3	ISSN 2071-1050
20.	2022	Ghezali, K; Bentahar, N; Barsan, N; Nedeff, V; Mosnegutu, E	Potential of Canna indica in Vertical Flow Constructed Wetlands for Heavy Metals and Nitrogen Removal from Algiers Refinery Wastewater	Sustainability, Vol. 14, nr. 8, 2022, WOS:000786356700001	3.889 0,6 0,6	ISSN 2071-1050
21.	2022	Goldan, E; Nedeff, V; Barsan, N; Culea, M; Tomozei, C; Panainte-Lehadus, M; Mosnegutu, E	Evaluation of the Use of Sewage Sludge Biochar as a Soil Amendment-A Review	Sustainability, Vol. 14, nr. 9, 2022, WOS:000794497400001	3.889 0,85 1	ISSN 2071-1050
22.	2022	Belhout, D; Tigrine, Z; Mosnegutu, EF; Benabdelaziz, FK	Management of reverse osmosis concentrate by solar distillation	Water Supply, Vol. 22, nr. 8, 2022, pag. 6490-6503, WOS:000847797600002	1,768 0,25 0,25	ISSN 1606-9749
23.	2022	Panainte-Lehadus, M; Mosnegutu, E; Barsan, N; Andrioai, G; Tomozei, C; Irimia, O	Mathematical Perspectives in the Variable Texture Products Cutting Process	Processes, Vol. 10, nr. 8, 2022, WOS:000845796500001	3,352 0,83 1	ISSN 2227-9717
24.	2022	Iulian-Alin Roșu, Dragoș-Constantin Nica, Cătălin Dumitraș, Dragoș Chitariu, Luminița Bibire, Adrian Stelian Ghenadi, Valentin-Stelian Dragan, Maricel Agop	The Search for Atmospheric Laminar Channels: Experimental Results and Method Dissemination	Sensors, Vol. 22, Nr.1, 2022, WOS:000757326100009	3,847 0,25 0,25	ISSN 1424-8220
25.	2022	Sampah Georges Eblin, Kouao Armand Anoh, Affoue Berte Yao, Kouakou Lazare Kouassi, Valentin Nedeff, Mirela Panainte-Lehadus, Narcis Barsan	Effect Of The Distribution System On Drinking Water Quality In The City Of Daloa (West Central Cote D'ivoire)	Fresenius Environmental Bulletin, 2022, vol. 31, no. 6A, p. 6713-6720, WOS:000811588300078	0,618 0,42 0,42	ISSN 10184619
26.	2022	Hanen Filali, Narcis Barsan, Dalila Souguir, Valentin Nedeff, Claudia Tomozei, Mohamed Hachicha	Greywater as an Alternative Solution for a Sustainable Management of Water Resources—A Review	Sustainability, 2022, vol. 14, No. 2, art.no. 665, WOS:000757668100001	3.889 0,5 0,5	ISSN 2071-1050
27.	2022	Fègbawè Badanaro, Narcis Barsan, Amivi Tété-Benissan, Valentin Nedeff, Mirela Panainte-Lehadus	Sustainable Local Food Evaluation by Dosage of Some Metallic Pollutants in Wild Insect Species Consumed in Togo	Sustainability, 2022, vol. 14, No. 3, art.no. 1892, WOS:000755645900001	3.889 0,6 0,6	ISSN 2071-1050

28.	2022	Ruxandra Mihailovici, Alexandra Croitoriu, Florin Nedeff, Valentin Nedeff, Lacramioara Ochiuz, Decebal Vasincu, Ovidiu Popa, Maricel Agop, Andreea Moraru, Danut Costin, Marcel Costuleanu, Liliana Verestiuc	Drug-Loaded Polymeric Particulated Systems for Ophthalmic Drugs Release	Molecules, 2022, vol. 27, no, 14, art.no. 4512, WOS:000833627300001	4,927 0,16 0,16	ISSN 1420-3049
29.	2022	Ion Sococol, Petru Mihai, Tudor-Cristian Petrescu, Florin Nedeff, Valentin Nedeff, Maricel Agop	Analytical Study Regarding the Seismic Response of a Moment-Resisting (MR) Reinforced Concrete (RC) Frame System with Reduced Cross Sections of the RC Beams	Buildings, 2022, vol. 12, no. 7, art.no. 983, WOS:000832410000001	3,324 0,33 0,33	ISSN 2075-5309
30.	2022	Dragos-Constantin Nica, Marius-Mihai Cazacu, Daniel-Eduard Constantin, Valentin Nedeff, Florin Nedeff, Decebal Vasincu, Iulian-Alin Roșu, Maricel Agop	Boundary Layer via Multifractal Mass Conductivity through Remote Sensing Data in Atmospheric Dynamics	Fractal and Fractional, 2022, vol. 6, no. 5, no. 250, WOS:000801548400001	3,577 0,25 0,25	ISSN 2504-3110
31.	2022	Ion Sococol, Petru Mihai, Tudor-Cristian Petrescu, Florin Nedeff, Valentin Nedeff, Maricel Agop, Bogdan-Ionel Luca	Numerical Study Regarding the Seismic Response of a Moment-Resisting (MR) Reinforced Concrete (RC) Frame Structure with Reduced Cross-Sections of the RC Slabs	Buildings, 2022,vol. 12, no. 1525, WOS:000874304600001	3,324 0,28 0,28	ISSN 2075-5309
32.	2022	Lavinia Misaila, Narcis Barsan , Florin Marian Nedeff, Dumitra Raducanu, Cristian Radu, Luminita Grosu, Oana-Irina Patriciu, Lucian Gavrila, Adriana-Luminita Finaru	Perspectives for Quality Evaluation of Some Mineral Waters from Slanic Moldova	Water, vol. 14, no. 2942, WOS:000867160200001	3,53 0,77 0,88	ISSN 2073-4441
33.	2022	Mohamed Abdelwaheb, Valentin Nedeff, Sonia Dridi-Dhaouadi, Emilian Moșneguțu, Alexandra-Dana Chițimus	Assessment quality of agricultural soils from Tunisian Region-Kalaa Kebira Sousse to assessment of a Tunisian agricultural soil properties	Fresenius Environmental Bulletin, vol. 31, nr. 8, 2022, p. 7767-7771, WOS:000845078600035	0,618 0,6 0,6	ISSN 10184619
34.	2022	Mohamed Abdelwaheb, Valentin Nedeff, Sonia Dridi-Dhaouadi, Emilian Moșneguțu, Narcis Barsan, Alexandra-Dana Chițimus	Assessment of cadmium and copper adsorption by two agricultural soils from Romania and Tunisia: risk of water resource pollution	Processes, Volume 10, 1802, 2022, WOS:000856653500001	3,352 0,66 0,66	ISSN 2227-9717
35.	2022	Emilian Moșneguțu, Claudia Tomozei, Mirela Panainte-Lehăduș, Dana Chițimuș, Oana Irimia	Geometric calculation of the influence of an oscillating sieve's actuation mechanism position on its motion	Processes, Volume 10, Issue 9, WOS:000857647700001	3,352 0,8 0,8	ISSN 2227-9717

36.	2022	Irimia Oana, Przydatek Grzegorz, Panainte-Lehadus Mirela, Tomozei Claudia, Mosnegutu Emilian, Gawron Piotr	Indicators of Impact Selected Municipal Units on the Air Quality—Case Study from Poland and Romania	Processes, Volume 10, no. 2485, WOS:000902812200001	3,352 0,66 0,66	ISSN 2227-9717
37.	2022	Przydatek Grzegorz, Mosnegutu Emilian, Cabała Adrian, Irimia Oana	Hazardous Waste Advanced Management in a Selected Region of Poland	Processes, Volume 10, no. 2032, WOS:000875217200001	3,352 0,5 0,5	ISSN 2227-9717
38.	2022	Zaharia Andrei, Nedeff Valentin, Barsan Narcis, Panainte-Lehăduș Mirela, Mosnegutu Emilian, Alexandra-Dana Chițimus, Tomozei Claudia	Ultrafiltration technology application in the industrial wastewater treatment processes	Fresenius Environmental Bulletin, vol. 31, nr. 8B, 2022, p. 8742-8751, WOS:000850209000019	0,618 1 1	ISSN 10184619
39.	2022	Marius Mihai Cazacu, Iulian-Alin Rosu, Luminita Bibire, Decebal Vasincu, Ana Maria Rotundu, Maricel Agop	Theoretical and experimental designs of the planetary boundary layer dynamics through a multifractal theory of motion	Fractal and Fractional , vol. 6, nr. 747, 2022, WOS:000902887700001	3,577 0,16 0,16	ISSN 2504-3110
40.	2022	Ciubotariu, VA; Radu, MC; Herghelegiu, E; Zichil, V; Grigoras, CC; Nechita, E	Structural and Behaviour Optimization of Tubular Structures Made of Tailor Welded Blanks by Applying Taguchi and Genetic Algorithms Methods	APPLIED SCIENCES-BASEL DOI10.3390/app12136794 WOS:000825558800001	2,838 0,83 1	ISSN 2076-3417
41.	2022	Nica, D.C., Voiculescu M., Constantin D.E., Gîrtu M., Topliceanu, L., Vasincu, D., Rosu, I.A., Agop, M.	Multifractality via Stochasticity in Atmospheric Dynamics Description Validated through Remote Sensing Data	Mathematics Mathematics 2022, 10, 1004. https://doi.org/10.3390/math10061004 WOS:000778256700001	2,592 0,125 0,25	2227-7390
42.	2022	Livinți Petru	Speed Control of the Asynchronous Motor Using LabVIEW	International Journal of Advanced and Applied Sciences (IJAAS), Vol. 8, Issue 5 (May 2021), pp. 59 – 66, Indexat ISI în iulie 2022. https://www.webofscience.com/wos/woscc/full-record/WOS:000819471500007	0 1 1	2313-626X

43.	2022	Costin-Anton Boiangiu, Marius-Eduard Cojocea, Robert-Costin Bercaru, Mihai Bran, Mihai-Lucian Voncila, Nicolae Tarba, Cornel Popescu, George Culea	Fast and Reliable Emotions Detection Adapted for Driver Monitoring and Online Psychotherapy Sessions	Control Engineering and Applied Informatics, Vol. 24, Issue 3, pp.86-95. https://www.webofscience.com/wos/woscc/full-record/WOS:000904972700008 WOS:000904972700008	1,299 0,125 0,125	1454-8658
44.	2022	Fadila Barkat, Ali Cheknane, Josep M. Guerrero, Abderezak Lashab, Marcel Istrate, Mihai Gavrilaș, Justina Motas, Ioan Viorel Banu	Review, Analysis and Performance Evaluation of the Most Common Four Active Methods for Islanding Detection in Grid-Connected Photovoltaic Systems	Electric Power Systems Research, Vol. 214, Part A. https://doi.org/10.1016/j.epsr.2022.108909 WOS:000886825400002	3,818 0,125 0,125	0378-7796
45.	2022	Ioan Viorel Banu, Fadila Barkat, Marcel Istrate, Josep M. Guerrero, George Culea, Petru Livinți, Justina Motas, Bogdan Neagu, Dragoș Andrioaia	Passive anti-Islanding Protection for Three-Phase Grid-Connected Photovoltaic Power Systems	International Journal of Electrical Power & Energy Systems, Vol. 148. https://doi.org/10.1016/j.ijepes.2023.108946	5,659 0,33 0,33	1879-3517
46.	2022	Liliana Topliceanu, Petru Gabriel Puiu, Cătălin Drob, Vlad Vasile Topliceanu	Analysis Regarding the Implementation of the Circular Economy in Romania	Sustainability, Vol. 15(1), 333. https://doi.org/10.3390/su15010333 WOS:000908659000001	3,889 0,75 0,75	2071-1050
47.	2022	Daniel Mărguță, Eugen Herghelegiu, Cătălin Tâmpu, Simona-Nicoleta Mazurchevici, Tudor Petrescu, Dumitru Nedelcu	Structural and Morphological Characterization of Biopolymeric Samples Through AWJ Machining	Macromolecular Symposia https://doi.org/10.1002/masy.202100280 WOS:000842344000074	0.913 0,5 0,5	1022-1360
Total ISI 47 din care 24,835 ING. și 26,69 UVAB						

2. Lucrări ştiinţifice/tehnice publicate în reviste de specialitate indexate BDI

Nr. crt	***Anul***	***Autor(i)***	***Titlul articolului***	***Revista***	***ISSN Pondere Facultate Pondere Univ***
1.	2022	Grigoraș, C.G., Simion, A.I., Gavrilă, L.	Synthetic dyes adsorption from aqueous solutions. Overview on process improvement by	*Bulletin of Romanian Chemical Engineering Society*, 2022, 9 (1),	2360-4697 1

			ultrasound assistance	76-93	1
2.	2022	Popa, O., Ciubotariu, A.-V., Grigoraș, C.C., Roșu, A.-M., Zichil, V.	Study regarding the influence of corrosive agents on the surface of metallic material like steel	*Journal of Engineering Studies and Research*, 2022, 28 (2), 92-99 https://doi.org/10.29081/jesr.v28i2.010	2068-7559 (print) 2344-4932 (online) 1 1
3.	2022	Jitaru, A., Grigoraș, C.C., Brabie, G., Roșu, A.-M., Roșu, L.-M.	Magnesium alloy AZ31B forming limit curve using the Nakazima test	*Journal of Engineering Studies and Research*, 2022, 28 (1), 53-58 https://doi.org/10.29081/jesr.v28i1.006	2068-7559 (print) 2344-4932 (online) 1 1
4.	2022	Bădăluță, N., Ciobanu, R., Ungureanu, C., Georgescu, A.-M., Răducanu, D.	Researches regarding the microbiota of the homemade bors, as healthy source	*Scientific Study & Research – Biology*, 2022, 31 (1), 96-102	1224-919X (print) 2457-5178 (online) 0,2 0,8
5.	2022	Badăluță, N., Raducanu, D., Ilisescu, M.A., Georgescu, A.-M.	Research on the antimicrobial activity of propolis and the degree of use of this product	*Scientific Study & Research – Biology*, 2022, 31 (1), 62-69	1224-919X (print) 2457-5178 (online) 0,25 1
6.	2022	Nita, B., Schnakovszky, C., Tampu, R., Tampu, N.C., Herghelegiu, E.	A review regarding cooling techniques in the turning, milling and cutting process	*Bulletin of the Polytechnic Institute of Iași, Section Mathematics. Theoretical Mechanics. Physics*, 2022, 68 (1), 35-47 https://doi.org/10.2478/bipmf-2022-0003	2537-4990 (eISSN) 1 1
7.	2022	Grigoraş, C.G., Simion, A.I., Favier, L., Gavrilă, L.	Evaluation of three operational parameters in adsorption process of organic dyes	*The 10th IEEE International Conference on E-Health and Bioengineering - EHB 2022*, 17-19 November 2022, Iasi, Romania DOI: 10.1109/EHB55594.2022.9991402 https://ieeexplore.ieee.org/document/	2575-5137 2575-5145 (eISSN) 0,75 0,75

				9991402	
8.	2022	Mohamed Abdelwaheb, Valentin Nedeff, Sonia Dridi-Dhaouadi, Emilian Moșneguțu, Alexandra-Dana Chitimus	The study of a tunisian soil using scanning electronic microscope	Journal of Engineering Studies and Research, 2068-7559, Vol. 28, nr. 1, 2022, pg. 7-12	ISSN 2068-7559 0,6 0,6
9.	2022	Bogdan Petrut-Liviu, Nedeff Valentin, Barsan Narcis, Panainte-Lehadus Mirela, Chitimus Dana, Nedeff Florin,Tomozei, Claudia	Applications of the GIS and Remote Sensing methods in the Land use and cover maps. Case study: Roman city and the surroundings of the Northern side area	2022 8th International Conference on Energy Efficiency and Agricultural Engineering, EE and AE 2022 - Proceedings, Code 181234, DOI 10.1109/EEAE53789.2022.9831319	1 1
10.	2022	Ioja Iosif, Tomozei Claudia, Nedeff Valentin, Mosnegutu Emilian, Panainte-Lehadus Mirela, Irimia Oana, Barsan Narcis, Chitimus Dana	Studies and research on the possibilities of implementing ergonomic principles in increasing labor productivity	2022 8th International Conference on Energy Efficiency and Agricultural Engineering, EE and AE 2022 – Proceedings, Code 181234, DOI 10.1109/EEAE53789.2022.9831319	1 1
11.	2022	Andrei Zaharia, Valentin Nedeff, Mihaela Culea, Narcis Barsan, Claudia Tomozei	Applications of the Ultrafiltration Membranes in the Industrial Effluents Treatment Processes. A Short Review	2022 8th International Conference on Energy Efficiency and Agricultural Engineering, EE and AE 2022 - Proceedings2022 8th International Conference on Energy Efficiency and Agricultural Engineering, EE and AE 2022Ruse30 June 2022 through 2 July 2022, Code 181234. DOI 10.1109/EEAE53789.2022.9831263	1 1

12.	2022	Ciubotariu Vlad, Cosmin Grigoraș Radu Crina, Cătălin Tâmpu Valentin Zichil	The opportunity of using cloud-based computing in numerical simulations on structural analysis-case study	Journal of Engineering Studies and Research 2022, vol. 28 (1), pag. 38-42	2068-7559 1 1
13.	2022	Cătălin Drob, Valentin Zichil, Cosmin Grigoraș, Vlad Ciubotariu, Andreea Feraru	The evolution of the capital market in Romania in the context of the covid-19 pandemic	STUDIES AND SCIENTIFIC RESEARCHES. ECONOMICS EDITION 2022, vol 35 (1), pag. 41-48	2066-561X 0,8 1
14.	2022	Cosmin Constantin Grigoras, Valentin Zichil, Catalin Drob, Vlad Andrei Ciubotariu	Analysis of the statistical data generated by an adaptive stretch forming process	International Journal of Modern Manufacturing Technologies 2022, vol 14 (3), pag. 70-75	2067–3604 1 1
15.	2022	Lucian Petrea, Gheorghe Stan, Cătălin Drob	The influence of the thermal regime on the guideways of the main actuation of a gantry type CNC machine	International Journal of Modern Manufacturing Technologies 2022, vol 14 (2), pag. 181-187	2067–3604 1 1
16.	2022	Adrian Stoica, Gheorghe Stan, Cătălin Drob	Increasing the positioning accuracy of the feed kinematic linkages of CNC machine tools through the calibration method	International Journal of Modern Manufacturing Technologies 2022, vol 14 (2), pag. 245-250	2067–3604 1 1
17.	2022	Cristina Cîrtiță-Buzoianu, Valentin Zichil, Cătălin Drob, Brîndușa-Mariana Amălăncei	Post-pandemic challenges concerning feminine vs masculine leadership	Proceedings of the 8th Review of Management and Economic Engineering, Todesco Publishing House 2022, Pag. 134-139	ISSN 2247 – 8639 0,5 1
18.	2022	Fadila Barkat, Ali Cheknane, Josep M. Guerrero, George Culea, Livinți Petru, Ioan Viorel Banu	Comparison and Effectiveness of Slip Mode Frequency Shift and Sandia Frequency Shift Active Methods for Islanding Detection in Single-Phase Grid-Connected Photovoltaic Systems	Journal of Engineering Studies and Research – JESR, Vol. 28, Nr. 4.	2068-7559 0,33 0,33
19.	2022	Andrioaia Dragoș-Alexandru	Cyber Security Analysis of IOT Devices Transmitting Data in the Thingspeak Platform Cloud	Journal of Engineering Studies and Research – JESR, Vol. 28, Nr. 3, P. 29-33.	2068-7559 1 1
20.	2022	Livinți Petru	Remote Control System for Unipolar Stepper Motor	North American Academic Research, Vol. 5(8), pp. 40-47. doi: https://doi.org/10.5281/zenodo.7048879	1945-9098 1 1
21.	2022	Popa Sorin-Eugen	Modeling and Simulation of Proximity Sensors	Journal of Engineering Studies and Research – JESR, Vol. 28, Nr. 1, P. 67-72.	2068-7559 1 1

22.	2022	Enachi Andrei, Turcu Cornel, Culea George, Banu Ioan-Viorel, Andrioaia Dragoș-Alexandru, Puiu Petru-Gabriel, Popa Sorin-Eugen	Human Motion Recognition Using Artificial Intelligence Techniques	The 12th International Conference on Electronics, Communication and Computing, IC ECCO-2022, Chișinău, Republic of Moldova, P. 200-202. http://repository.utm.md/handle/5014/21857	0,83 0,83
23.	2022	Olaru Ionel	Software Integration Type CAD-CAM-CAE In Product Lifecycle Management	Journal of Engineering Studies and Research https://doi.org/10.29081/jesr.v28i2.006	2068-7559 1 1
24.	2022	Daniel Mărguță, Ramona-Iuliana Popa, Eugen Herghelegiu, Constantin Cărăușu	Technical Optimization Of Water Jet Cutting Of Biodegradable Materials	International Journal of Manufacturing Economics and Management https://doi.org/10.54684/ijmem.2022.2.1.23	2784-1278 0,25 0,25
25.	2022	Oana G Ghiorghe, Carol Schnakovszky, Eugen Herghelegiu, Cătălin Tâmpu	Study on the influence of WEDM processing regimes on the quality of armor steel	Journal of Engineering Studies and Research https://jesr.ub.ro/1/article/view/339	2068-7559 1 1
25 Total articole BDI din care 20,51 ING și 22,56 UVAB					

3. Lucrări ştiinţifice/tehnice publicate/indexate în 2022 în proceedings-uri ISI

Nr. crt	***Anul***	***Autor(i)***	***Titlul articolului***	***Revista***	***ISSN***
1.	2022				

4. Lucrări ştiinţifice prezentate la conferinţe internaţionale/ naţionale, congrese, sesiuni ştiinţifice cu comitet de program

Nr. crt.	**Anul**	**Autor(i)**	**Titlul lucrării**	**Conferinţa**
1.	2022	Grigoraş, C.G., Simion, A.I., Favier, L., Gavrilă, L.	Evaluation of three operational parameters in adsorption process of organic dyes	The 10th IEEE International Conference on E-Health and Bioengineering - EHB 2022, 17-19 noiembrie 2022, Iași (România), http://www.ehbconference.ro

2.	2022	Roșu, A.-M., Aruș, V.-A., Răducanu, D., Platon, N., Nistor, I.D., Pârvulescu, O.-C.	Antibacterial activity of peppermint extracts against Escherichia coli – experimental and modelling	International Chemical Engineering and Material Symposium, SICHEM 2022, 17-18 noiembrie 2022, București (România), http://www.sicr.ro
3.	2022	Alexa, I.-C., Suceveanu, E.-M., Nicuță D., Grosu, L., Patriciu, O.-I., Fînaru, A.-L.	New approaches for Fetească neagră grape pomace valorisation	International Conference "Modern Technologies in Food Industry - 2022" (MTFI-2022), 20-22 October 2022, Chișinău (Republic of Moldova), mixed regime (online and offline), https://mtfi.utm.md/
4.	2022	Rusu, L., Suceveanu, E.-M., Grigoraș, C.-G., Simion, A.-I.	Valorization of brewery spent yeast for the synthesis of biocomposite materials with applications in water treatment	International Conference "Modern Technologies in Food Industry - 2022" (MTFI-2022), 20-22 October 2022, Chișinău (Republic of Moldova), mixed regime (online and offline), https://mtfi.utm.md/
5.	2022	Georgescu, A.-M., Arus, A.-V., Platon, N., Muntianu, G., Nardou, F., Nistor, I.-D.	Possible using of clay-based nanomaterials in environmental depollution	International Conference "Modern Technologies in Food Industry - 2022" (MTFI-2022), 20-22 October 2022, Chișinău (Republic of Moldova), mixed regime (online and offline), https://mtfi.utm.md/
6.	2022	Mirila, D.-C., Raducanu, D., Roșu, A.-M., Georgescu, A.-M., Nistor, I.-D.	Synthesis, characterization and testing of a new material obtained on the basis of natural clay intercalated with silver ions	International Conference "Modern Technologies in Food Industry - 2022" (MTFI-2022), 20-22 October 2022, Chișinău (Republic of Moldova), mixed regime (online and offline), https://mtfi.utm.md/
7.	2022	Hortolomeu, A., Mirila, D.-C., Didi, M.A., Sturza, R., Scutaru, Y., Nistor, I.-D.	Retention of wine pollutants on chemically modified clays with dendrimers	International Conference "Modern Technologies in Food Industry - 2022" (MTFI-2022), 20-22 October 2022, Chișinău (Republic of Moldova), mixed regime (online and offline), https://mtfi.utm.md/
8.	2022	Arus, V.-A., Vartolomei, N.	Risipa alimentară	Sesiunea de Comunicări cu tema „Alimentația sustenabilă,, din cadrul Proiectului „Sănătatea din farfurie", Liceul Tehnologic Târgu Ocna, Bacău, 18 Octombrie 2022
9.	2022	Rusu, L., Grigoraș, C.-G., Suceveanu, E.-M., Simion, A.-I., Favier, L.	Saccharomyces pastorianus residual biomass/calcium alginate system acts as an efficient biosorbent to remove pharmaceuticals from aqueous matrices in different operational conditions	6th International Conference on Chemical Engineering: Innovative Materials and Processes for a Sustainable Development (ICCE 2022), Iași (Romania), October 5-7, 2022, http://www.cercetare.icpm.tuiasi.ro/conferinte/ICCE2022/
10.	2022	Nicuță, D., Alexa, I.-C., Grosu, L., Fînaru, A.-L.	In vivo evaluation of cytotoxic and genotoxic effects of different oregano extracts using Allium cepa test	A XXXVI-a Conferința Națională de Chimie (CNChim-2022), 04-07 octombrie 2022, Călimănești-Căciulata (România), https://chimcomplex.com/cnchim-2022/

11.	2022	Ostache, N.-C., Patriciu, O.-I., Alexa, I.-C., Fînaru, A.-L., Hiebel, M.-A., Suzenet, F., Guillaumet, G.	Green chemistry metrics for key steps in pyrazolo[3,4-d]thiazoles and pyrazolo[3,4-c]pyrazoles synthesis	A XXXVI-a Conferința Națională de Chimie (CNChim-2022), 04-07 octombrie 2022, Călimănești-Căciulata (România), https://chimcomplex.com/cnchim-2022/
12.	2022	Sandu Bălan (Tăbăcariu), A., Patriciu, O.-I., Ștefănescu, I.-A., Ifrim, I.-L., Fînaru A.-L.	Walnut (Juglans regia L.): by-products analysis and capitalization	A XXXVI-a Conferința Națională de Chimie (CNChim-2022), 04-07 octombrie 2022, Călimănești-Căciulata (România), https://chimcomplex.com/cnchim-2022/
13.	2022	Misăilă, L., Răducanu, D., Bârsan, N., Grosu, L., Patriciu, O.-I., Gavrilă, L., Fînaru, A.-L.	Microbiological quality assessment of some mineral waters from Slanic Moldova	A XXXVI-a Conferința Națională de Chimie (CNChim-2022), 04-07 octombrie 2022, Călimănești-Căciulata (România), https://chimcomplex.com/cnchim-2022/
14.	2022	Rusu, L., Grigoraș, C-G, Simion, A-I., Suceveanu, E.M., Vial, C.	Application of biocomposite material based on residual microbial biomass and natural polymer for the removal of pharmaceuticals from aqueous solutions in continuous system	22nd Romanian International Conference on Chemistry and Chemical Engineering (RICCCE 2022), 7-9 septembrie 2022, Sinaia (România), https://riccce22.chimie.upb.ro/
15.	2022	Suceveanu, E.M., Rusu, L., Grigoraș, C-G, Simion, A-I.	Eco-friendly biosorbents based on Saccharomyces pastorianus immobilized in natural polymers: synthesis, characterization and application for the removal of pharmaceuticals from aqueous matrices	22nd Romanian International Conference on Chemistry and Chemical Engineering (RICCCE 2022), 7-9 septembrie 2022, Sinaia (România), https://riccce22.chimie.upb.ro/
16.	2022	Rosu, A.-M., Arus, V.-A., Platon, N., Nistor, I.D., Parvulescu, O.-C.	Extraction of bioactive compounds from peppermint - experimental and statistical modelling	22nd Romanian International Conference on Chemistry and Chemical Engineering (RICCCE 2022), 7-9 septembrie 2022, Sinaia (România), https://riccce22.chimie.upb.ro/
17.	2022	Platon, N., Aruș, V.A., Georgescu, A.M., Nistor, I.D.	Utilization of eggshells as a calcium source in white bread formulation	Interdisciplinarity and Cooperation in Cross Border Research International Summer Conference, 02-04.06.2022, Chișinău (Republic of Moldova), hybrid, https://www.transfrontaliera.ugal.ro/index.php/ro/cercetare/evenimente-stiintifice/conferinte/iccr-iunie-2022
18.	2022	Sandu Bălan (Tăbăcariu), A., Patriciu, O.-I., Ștefănescu, I.-A., Ifrim, I.-L., Fînaru A.-L.	The influence of the extraction conditions on the active components from by-products of walnut (Juglans regia L.)	17th International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2022, 25-27 mai 2022, Bacău (România), http://oproteh.ub.ro/
19.	2022	Nicuță, D., Alexa, I.-C., Grosu, L., Fînaru, A.-L.	Investigation regardind cytotoxic and genotoxic efects on different extracts of Origanum vulgare using Allium cepa assay	17th International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2022, 25-27 mai 2022, Bacău (România), http://oproteh.ub.ro/

20.	2022	Suceveanu, E.-M., Ștefănescu, I.-A., Ifrim, I.-L.	The influence of ultrasonication on the physico-chemical parameters of different varieties of wine	17th International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2022, 25-27 mai 2022, Bacău (România), http://oproteh.ub.ro/
21.	2022	Platon, N., Aruș, V.A., Georgescu, A.M., Nistor, D.	The influence of eggshells macerated into a classical white bread	17th International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2022, 25-27 mai 2022, Bacău (România), http://oproteh.ub.ro/
22.	2022	Ștefănescu, I.-A., Ifrim, I.-L., Suceveanu, E.-M.	Catalase activity of polluted spontaneous flora	17th International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2022, 25-27 mai 2022, Bacău (România), http://oproteh.ub.ro/
23.	2022	Rosu, A.-M., Nicuta, D., Voicu, R., Muntianu, G., Nistor, I.-D.	Valorization of agro-alimentary wastes, as possible materials, in environmental depollution	17th International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2022, 25-27 mai 2022, Bacău (România), http://oproteh.ub.ro/
24.	2022	Mirilă, D.-C., Raducanu, D., Platon, N., Didi, M.A., Zichil, V., Azzouz, A., Jinescu, C., Nistor, I.-D.	Synthesis of new clay-based adsorbents incorporated with silver ions	17th International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2022, 25-27 mai 2022, Bacău (România), http://oproteh.ub.ro/
25.	2022	Hortolomeu, A., Mirilă, D.-C., Didi, M.A., Nistor, I.-D.	The effect of cyclic oligosaccharides on the stability of indigenous wines	17th International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2022, 25-27 mai 2022, Bacău (România), http://oproteh.ub.ro/
26.	2022	Secară (Muscă), A., Aruș, V.-A., Ureche, C., Nistor, I.-D.	Possibilities of retaining toxic metals in chicken manure, using chitosan clay hybrid material	17th International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2022, 25-27 mai 2022, Bacău (România), http://oproteh.ub.ro/
27.	2022	Andrei, S., Rati, I.-V., Ureche, D., Nistor, I.-D.	Studies on climate aspects in the area of two ecosystems with agricultural potential	17th International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2022, 25-27 mai 2022, Bacău (România), http://oproteh.ub.ro/
28.	2022	Andrei, S., Grigoraș, C.G., Muntianu, G., Rusu, L., Nistor, I.-D.	Possibilities of using natural materials for water depollution	17th International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2022, 25-27 mai 2022, Bacău (România), http://oproteh.ub.ro/

29.	2022	Anasie, C.R., Rosu, A.-M., Nistor, I.-D.	Study of depollution possibilities using biomaterials as clay-starch	17th International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2022, 25-27 mai 2022, Bacău (România), http://oproteh.ub.ro/
30.	2022	Doroftei, R., Muntianu, G., Jinescu, G., Ursu, A.-V., Nistor, I.-D.	Studies on using clay-cellulose composites in the process of water pollution	17th International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2022, 25-27 mai 2022, Bacău (România), http://oproteh.ub.ro/
31.	2022	Tanasa, S., Dumitrescu, L., Vartolomei, N., Arus, V.-A., Nistor, I.-D.	Interdisciplinarity modern form of organizing teaching activities in the field of food products	17th International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2022, 25-27 mai 2022, Bacău (România), http://oproteh.ub.ro/
32.	2022	Fenea, L., Tanasa, S., Vartolomei, N., Nistor, I.-D.	The thermal effect of microwaves on food	17th International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2022, 25-27 mai 2022, Bacău (România), http://oproteh.ub.ro/
33.	2022	Ungureanu, C.-V., Badaluta, N., Georgescu, A.-M., Raducanu, D.	Microbial removal of the pharmaceutical compounds	17th International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2022, 25-27 mai 2022, Bacău (România), http://oproteh.ub.ro/
34.	2022	Raducanu, D., Badaluta, N., Ana-Maria Georgescu, A.-M., Ungureanu, C.V.	Evaluation of the air microbiota inside university spaces, during and after the restrictions caused by the COVID-19 pandemic	17th International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2022, 25-27 mai 2022, Bacău (România), http://oproteh.ub.ro/
35.	2022	Arus, V.-A. Georgescu, A.-M., Platon, N., Roșu, A.-M., Muntianu, G., Nistor, I.-D.	Influence of buckwheat flour on quality of white wheat bread	17th International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2022, 25-27 mai 2022, Bacău (România), http://oproteh.ub.ro/
36.	2022	Gabor, C., Vartolomei, N., Arus, V.-A.	The technological process of making achloride bread	17th International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2022, 25-27 mai 2022, Bacău (România), http://oproteh.ub.ro/
37.	2022	Secară, A., Georgescu, A-M., Simion, A.I., Ureche, D., Nistor, I.D.	Raw materials for poultry feed	17th International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2022, 25-27 mai 2022, Bacău (România), http://oproteh.ub.ro/

38.	2022	Rusu, L., Grigoraș, C.G., Simion, A.I., Suceveanu, E.M., Vial, C.	Modeling and optimization of pharmaceuticals biosorption from aqueous matrices by Saccharomyces pastorianus residual biomass/calcium alginate composite beads in a batch system	17th International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2022, 25-27 mai 2022, Bacău (România), http://oproteh.ub.ro/
39.	2022	Harja, M., Trifas, L.M. Ciobanu, G., Rusu, L., Simion, A.I., Favier, L.	Congo Red dye adsorption from aqueous solution to magnesium hydroxide adsorbent	17th International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2022, 25-27 mai 2022, Bacău (România), http://oproteh.ub.ro/
40.	2022	Siamer, S., Bouafia, S., Sescu A.M., Harja, M., Simion, A.I., Grigoraş, C.G. Păcală, M.L.	Toward the efficient elimination of a toxic organic compound from aqueous suspension under solar light irradiation	17th International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2022, 25-27 mai 2022, Bacău (România), http://oproteh.ub.ro/
41.	2022	Păcală, M.L., Favier, L., Sipos, A.S., Simion, A.I., Brudiu, L.	Technological aspects concerning the valorization of wheat bran in cereal probiotic beverage production	17th International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2022, 25-27 mai 2022, Bacău (România), http://oproteh.ub.ro/
42.	2022	Tampu, C., Tampu, R., Chirita, B., Herghelegiu, E.	Effect of cutting parameter on PM2.5 polluants amount generated by milling operation	17th International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2022, 25-27 mai 2022, Bacău (România), http://oproteh.ub.ro/
43.	2022	Tampu, C., Tampu, R., Zichil, V., Ciubotariu, V., Grigoras, C., Chirita, B., Radu, M.C., Schnakovszky, C.	A FEM analysis of cutting parameter influence in turning of magnezium alloy	17th International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2022, 25-27 mai 2022, Bacău (România), http://oproteh.ub.ro/
44.	2022	Tampu, C., Tampu, R., Chirita, B., Nita, B., Iancu, C., Herghelegiu, E., Schnakovszky, C.	FEM analysis of initial temperature influence on surface residual stress distribution in surface layer	17th International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2022, 25-27 mai 2022, Bacău (România), http://oproteh.ub.ro/
45.	2022	Muntianu, G., Georgescu, A.M., Rosu, A.M., Platon, N., Arus, V.A., Nistor, I.D.	Characterization of aluminum pillared clays for ammonia adsorption in coaxial magnetic fluidized bed	17th International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2022, 25-27 mai 2022, Bacău (România), http://oproteh.ub.ro/
46.	2022	Sandu Bălan Tăbăcariu, A., Patriciu, O.-I., Ștefănescu, I.-A., Ifrim, I.-L., Fînaru, A.-L.	Walnut (Juglans regia L.) – present and perspectives on phytosanitary activity	5th International Conference of the Doctoral School (CSD 2022) at the "Gheorghe Asachi" Technical University of Iasi, Romania , Iași, 18-20 mai 2022 (online), https://conferinta-csd.tuiasi.ro/

47.	2022	Misăilă, L., Bârsan, N., Răducanu, D., Radu, C., Grosu, L., Patriciu, O.-I., Gavrilă, L., Fînaru, A.-L.	Comparative assessment of major and trace elements in some mineral waters from Slănic Moldova	5th International Conference of the Doctoral School (CSD 2022) at the "Gheorghe Asachi" Technical University of Iasi, Romania, Iași, 18-20 mai 2022 (online), https://conferinta-csd.tuiasi.ro/
48.	2022	Oana Irimia, Claudia Tomozei, Mirela Panainte, Emilian Mosnegutu, Alexandra-Dana Chitimus, Narcis Barsan, Bobarnac Cristina	Study on the efficiency of street lighting in the commune of Margineni by using solar energy	OPROTEH 2022 http://oproteh.ub.ro/
49.	2022	Mirela Panainte-Lehadus, Claudia Tomozei, Oana Irimia, Emilian Mosnegutu, Florin-Marian Nedeff, Narcis Barsan, Andreea Iuliana Mares	Study on the purchase of green products among consumers	OPROTEH 2022 http://oproteh.ub.ro/
50.	2022	Luminița Bibire, Ionel Pașalău, Adrian Sorin Umbrărescu, Constantin Ciuche, Cătălin Ștefan Știulete	Identification of Welding Bead Defects, and the Causes of These Defects, in Tubular Heat Exchangers. Case Study: Two-Pass Tubular Fascicle Heat Exchanger	OPROTEH 2022 http://oproteh.ub.ro/
51.	2022	Chitimus Alexandra-Dana, Nedeff Valentin, Mosnegutu Emilian, Barsan Narcis, Sipos Cosmina, Grigoras Maria	Mathematical modeling of the leaching speed of liquid pollutant in the soil	OPROTEH 2022 http://oproteh.ub.ro/
52.	2022	Chitimus Alexandra-Dana, Nedeff Valentin, Radu Cristian, Mosnegutu Emilian, Barsan Narcis, Rauta Robert	Mathematical modeling for the transfer of chromium from the soil in the case of Phragmites Australis plant	OPROTEH 2022 http://oproteh.ub.ro/
53.	2022	Emilian Mosnegutu, Claudia Tomozei, Valentin Nedeff, Panainte Panainte-Lehadus, Oana Irimia, Carp Loredana	Geometric calculation of the influence of an oscillating sieve's actuation mechanism position on it's motion	OPROTEH 2022 http://oproteh.ub.ro/
54.	2022	Luminița Bibire, Adrian Sorin Umbrărescu, Constantin Ciuche, Ionel Pașalău, Ștefan Olaru	Some Aspects Regarding the Maintenance of The Pipes, at the Heat Exchanger with the Tubular Fascicle. Case Study	OPROTEH 2022 http://oproteh.ub.ro/
55.	2022	Luminița Bibire, Constantin Ciuche, Ionel Pașalău, Adrian Sorin Umbrărescu, Roxana Zamfir (Roșu)	Study on the Consequences of Non-Compliance for Maintenance Procedures, in the Case of Remedial Operations, of Defects in a Pipe-Line Network. Case Study	OPROTEH 2022 http://oproteh.ub.ro/

56.	2022	Zaharia, Andrei, Nedeff, Valentin, Culea, Mihaela, Barsan Narcis, Tomozei, Claudia	Applications of the Ultrafiltration Membranes in the Industrial Effluents Treatment Processes. A Short Review	2022 8th International Conference on Energy Efficiency and Agricultural Engineering, EE and AE 2022 - Proceedings2022 8th International Conference on Energy Efficiency and Agricultural Engineering, EE and AE 2022Ruse30 June http://eeae-conf.uni-ruse.bg/
57.	2022	Claudia Tomozei, Oana Irimia, Mirela Panainte Lehadus, Emilian Mosnegutu, Florin Nedeff, Dosoftei Cosmin,	Study regarding the determination of the dust concentration level in the center of BACAU CITY	OPROTEH 2022 http://oproteh.ub.ro/
58.	2022	Venera Cojocariu Elena Nechita Cerasela Crisan Cosmin Grigoraș Valentin Zichil	Teaching Online Requires Teachers' Adaptability: Updating The Traditional Teacher Competencies Model	INTED2022 Proceedings 16th International Technology, Education and Development Conference Online Conference. 7-8 March, 2022. ISBN: 978-84-09-37758-9 / ISSN: 2340-1079 doi: 10.21125/inted.2022
59.	2022	Lucian Petrea, Gheorghe Stan, Cătălin Drob	The influence of the thermal regime on the guideways of the main actuation of a gantry type CNC machine	ModTech 2022: Modern Technologies in Industrial Engineering, Mamaia, Romania, 22-25 June 2022
60.	2022	Adrian Stoica, Gheorghe Stan, Cătălin Drob	Increasing the positioning accuracy of the feed kinematic linkages of CNC machine tools through the calibration method	ModTech 2022: Modern Technologies in Industrial Engineering, Mamaia, Romania, 22-25 June 2022
61.	2022	Cosmin Constantin Grigoras, Valentin Zichil, Catalin Drob, Vlad Andrei Ciubotariu	Analysis of the statistical data generated by an adaptive stretch forming process https://doi.org/ 10.54684/ijmmt.2022.14.3.70	ModTech 2022: Modern Technologies in Industrial Engineering, Mamaia, Romania, 22-25 June 2022
62.	2022	Căliman Radu	Analysis of the technology for obtaining composite materials with improved physical-mechanical and tribological properties reinforced with carbon fibers	ModTech 2022: Modern Technologies in Industrial Engineering, Mamaia, Romania, 22-25 June 2022
63.	2022	Căliman Radu	Research on abrasive wear testing of carbon fiber reinforced composites with improved physical and mechanical properties	ModTech 2022: Modern Technologies in Industrial Engineering, Mamaia, Romania, 22-25 June 2022
64.	2022	Liliana Topliceanu, Drob Catalin, Puiu Gabriel	Comparative study concerning the circular economy in Europe	OPROTEH 2022

65.	2022	Liliana Topliceanu, Puiu Gabriel	The connection between mechatronics and IoT: advantages and threats	OPROTEH 2022
66.	2022	Cătălin DROB, Valentin ZICHIL	From traditional approach of project management to agile project management	OPROTEH 2022
67.	2022	D.I. Rusu	Corelations Between Structural, Morphological And Optical Properties Of ZnO Thin Films Obtained By Thermally Oxidized Metallic Zinc Films	OPROTEH 2022
68.	2022	Cristina Cîrtiță-Buzoianu, Valentin Zichil, Cătălin Drob, Brîndușa-Mariana Amălăncei	Post-pandemic challenges concerning feminine vs masculine leadership	Proceedings of the 8th Review of Management and Economic Engineering International Management Conference 22nd – 24th of September 2022, Technical University of Cluj-Napoca, Romania
69.	2022	Dragoş Alexandru Andrioaia, Rotar Dan, Petru-Gabriel Puiu	METHODS TO FILL IN MISSING VALUES USED IN IOT	OPROTEH 2022, http://oproteh.ub.ro/
70.	2022	Petru Livinți, B. Bossoufi, Ioan Viorel Banu	Speed Control of Induction Motor Using Arduino Mega 2560 Development Board	OPROTEH 2022, http://oproteh.ub.ro/
71.	2022	Culea George	Cyber security of virtual plc systems built on the Raspberry Pi platform	OPROTEH 2022, http://oproteh.ub.ro/
72.	2022	Culea George	Solutions for audio guide applications in museums	OPROTEH 2022, http://oproteh.ub.ro/
73.	2022	Roxana Margareta Grigore, Cornelia Capat	The Energy And Economic Impact Of Nzeb Compliance Measures On The Construction Of Commercial Buildings	OPROTEH 2022, http://oproteh.ub.ro/
74.	2022	Roxana Margareta Grigore, Aneta Hazi, Sorin Gabriel Vernica	Some Considerations About The Use Of Hydrogen As An Energy Vector	OPROTEH 2022, http://oproteh.ub.ro/
75.	2022	Hazi Gheorghe, Hazi Aneta, Vernica Sorin Gabriel	Longitudinal Differential Protection Of Three-End High Voltage Lines	OPROTEH 2022, http://oproteh.ub.ro/

76.	2022	Eusebiu Pruteanu, Nitu Gabriel	User interface for intelligent measurements of a virtual instrument to characterise the electric capacity of sbt film and for faster application development and increased productivity	OPROTEH 2022, http://oproteh.ub.ro/
77.	2022	Petru-Gabriel Puiu, Dragoş Alexandru Andrioaia	Maintenance management system for power station electrical equipment	OPROTEH 2022, http://oproteh.ub.ro/
78.	2022	Vernica Sorin-Gabriel, Hazi Gheorghe, Hazi Aneta, Grigore Roxana-Margareta	Special Cases in the Transport Problem. Forbidden Routes	OPROTEH 2022, http://oproteh.ub.ro/
79.	2022	Hazi Aneta, Hazi Gheorghe, Grigore Roxana-Margareta, Vernica Sorin-Gabriel	Heat Recovery Solutions with Heat Pumps	OPROTEH 2022, http://oproteh.ub.ro/
80.	2022	Popa Sorin-Eugen	Use of SRF to Determine the Time of Occurrence of a Fault and the Type of Fault in Gas-Insulated SwitchGear (GISL)	OPROTEH 2022, http://oproteh.ub.ro/
81.	2022	Rotar Dan, Culea George	Early Detection Of Faults In Complex Internet Of Things Systems	OPROTEH 2022, http://oproteh.ub.ro/
82.	2022	Rotar Dan, Andrioaia Dragoş Alexandru	Gsm Of Things For Emergencies	OPROTEH 2022, http://oproteh.ub.ro/
83.	2022	Olaru Ionel	A Study about the Implement of CAD/CAM/CAE Integrated Technology in Industrial Engineering	The 17th International Conference of Constructive Design and Technological Optimization in Machine Building Field OPROTEH 2022 http://oproteh.ub.ro/
84.	2022	Olaru Ionel	A Study on the MQL Cooling Systems Optimization for Machining	ModTech2022, www.modtech.ro - online
85.	2022	Tâmpu C, Tâmpu R, Zichil V, Ciubotariu V A, Grigoras C C, Chirita B A, Radu M C, Schnakovszky C	A FEM analysis of cutting parameter influence in turning of magnesium alloy	The 17th International Conference of Constructive Design and Technological Optimization in Machine Building Field OPROTEH 2022 http://oproteh.ub.ro/
86.	2022	Ionel Crinel Raveica, Gabriela Raveica	Considerations on implementation process in educational activity of cloud-based cad applications - case study	The 17th International Conference of Constructive Design and Technological Optimization in Machine Building Field OPROTEH 2022 http://oproteh.ub.ro/

87.	2022	Ionel Crinel Raveica, Gabriela Raveica	Active learning in engineering educations: experiences in covid 19 pandemic	The 17th International Conference of Constructive Design and Technological Optimization in Machine Building Field OPROTEH 2022 http://oproteh.ub.ro/
88.	2022	Radu Maria-Crina, Schnakovszky Carol, Tampu Catalin, Oana Ghiorghe, Ciubotariu Vlad-Andrei	Study on the possibility of using a recycled vegetable oil as dielectric in electrical discharge machining of a tool steel	The 17th International Conference of Constructive Design and Technological Optimization in Machine Building Field OPROTEH 2022 http://oproteh.ub.ro/
89.	2022	Chirita Bogdan, Tampu Catalin, Herghelegiu Eugen, Grigoraș Cosmin-C-tin	Response surface methodology applied for modelling in machining	The 17th International Conference of Constructive Design and Technological Optimization in Machine Building Field OPROTEH 2022 http://oproteh.ub.ro/
90.	2022	Herghelegiu Eugen, Radu Maria-Crina, Schnakovszky Carol, Chirita Bogdan, Grigoraș Cosmin-C-tin, Tampu Catalin	Study on the influence of the focusing tube's length on the quality of cut performed by abrasive water jet cutting of the AL6061T651 alloy	The 17th International Conference of Constructive Design and Technological Optimization in Machine Building Field OPROTEH 2022 http://oproteh.ub.ro/
91.	2022	Oana Ghiorghe, Schnakovszky Carol	Study regarding the processing of C120 and 304L materials by electro-erosion with filiform electrode	The 17th International Conference of Constructive Design and Technological Optimization in Machine Building Field OPROTEH 2022 http://oproteh.ub.ro/

5. Cărţi publicate

Nr. crt.	Anul	Autor(i)	Titlul	Editură	Număr pagini	ISBN
1.	2022	Tâmpu R.-I., Patriciu O.-I., Fînaru A.-L.	Metode De Analiză Și Posibilități De Valorificare A Unor Produse Vegetale	Alma Mater	114	978-606-527-697-0
2.	2022	Grigoraș Cosmin	Rezistenta Materialelor I Note de Curs	Editura „Alma Mater", Bacau,	143	978-606-527-689-5
3.	2022	Banu Ioan Viorel	Cercetări privind integrarea surselor fotovoltaice în rețelele electrice	Alma Mater, Bacău	202	978-606-527-690-1
4.	2022	Vernica Sorin-Gabriel	Tehnici de optimizare în energetică. Aplicaţii	Alma Mater, Bacău	112	978-606-527-686-4
5.	2022	Hazi Aneta, Hazi Gheorghe	Partea electrică a centralelor și stațiilor, Ed. a II-a	PIM, Iași	269	978-606-13-6702-3
6.	2022	Hazi Aneta, Hazi Gheorghe	Stații electrice și posturi de transformare, Ed. a II-a	PIM, Iași	434	978-606-13-6703-0
7.	2022	Popa Sorin-Eugen	Administrarea și configurarea rețelelor locale de	Alma Mater, Bacău	255	978-606-527-685-7

			calculatoare			
8.	2022	Eusebiu Pruteanu, Furdu Iulian	Modele, tehnologii, servicii si aplicații integrate de tip RIA pentru Web	Alma Mater, Bacău	178	978-606-527-683-3
9.	2022	Ghenadi A. Stelian, Raveica I. Crinel	Dinamica sistemelor mecanice pentru mecatronică - Curs și aplicații	Alma Mater, Bacău	236	978-606-527-698-7

6. Contracte obţinute/derulate de Facultatea de Inginerie prin competiţii naţionale/internaţionale, inclusiv cu agenţi economici

Nr. crt.	Proiect derulat		Director proiect		Anul obţinerii/ derulării	Valoare lei (aferentă anului 2022)
	Nr. Înregistrare	Denumire	Nume	Prenume		
1.	CNFIS-FDI-2022-0132	Mobilitatea academica - suport al creșterii vizibilității internaționale a IOSUD_UBc (Mob_InterVIZ_UBc)	FÎNARU	Adriana-Luminița	2022/2022 (3 (Fînaru A.-L., Nistor I.-D., Patriciu O.-I.) / 14)	400000/60.000
2.	JAR2022_048/06.06.2022	Engineer - a successful entrepreneur (EngSE)	ROȘU	Ana-Maria	2022/2022 (3 (Roșu A.-M., Nistor I.-D., Muntianu G.) / 7)	39967
3.	PN-III-P2-2.1-PED-2019-1063 Contract finanțare: 490PED/2020 Perioada: 2020-2022	Obtinerea de Materiale cu Valoare Adăugată prin Valorificarea Subproduselor Industriale (AddValueMat)	RUSU	Lăcrămioara	2020/perioada derulării 2020-2022 (4 ICA (1 responsabil partener și 3 membri (Grigoraș C.-G, Simion A.-I., Suceveanu E.-M.)) / 4)	aferentă anului 2022 52850,00 lei
4.	CNFIS-FDI-2022-0072	Realitate augmentată la UBc: vizualizarea 3D a activității didactice (Acronim: AR@UBc)	ZICHIL	Valentin	3 (Fînaru A.-L., Roșu A.-M., Tâmpu, R.-I.) / 18	500000
5.	Contract nr. 1/2022	Cercetări de laborator și industriale în vederea tratării apelor uzate și a nămolurilor rezultate din epurare	Bârsan	Narcis	2022	30000
6.	ID 2019-1-RO01-KA203-063870	Erasmus Plus, MULTITRACES - „Formare MULTIdisciplinară în economia circulară și valorificarea inteligentă a zonei rurale pentru noi modele de afaceri”	TOPLICEANU	Liliana	1 (Aruș V.A.) / 5	348054,63
7.	Sesiune mini-granturi proiecte antreprenoriale în universități - membru	”Engineer - a successful entrepreneur (EngSE)”	Roșu	Ana-Maria	Zichil V.,	39.967
8.	2(4879) / 2021	Utilizarea sistemelor CAD și construcția prin fabricare aditivă – FDM, a reperelor din industria	Ciubotariu	Vlad	Grigoras C.	25.920,00/5.963,66

		tâmplăriei din aluminiu și PVC (contract cu agent economic)				
9.	2020-1-ES01-KA202-082790	ARVET – Digital guidance through beacons and augmented reality for the inclusion of students with disabilities in Vocational Training practices,	Topliceanu	Liliana	2019/2022 Drob, C.,	20420

7. Contracte obţinute/derulate prin competiții naționale/internaționale, inclusiv cu agenţi economici din colectivul cărora fac parte cadre didactice ale Facultății de Inginerie

Nr. crt.	*Proiect*		*Director proiect*		*Membri echipă Facultatea de INGINERIE*	*Valoare contract în lei (aferentă anului 2022)*
	Nr. Înregistrare	*Denumire*	*Nume*	*Prenume*		
1.	CNFIS-FDI-2022-0132	Mobilitatea academica - suport al creșterii vizibilității internaționale a IOSUD_UBc (Mob_InterVIZ_UBc)	FÎNARU	Adriana-Luminița	2022/2022 (3 (Fînaru A.-L., Nistor I.-D., Patriciu O.-I.) / 14)	400000/60.000
3.	JAR2022_048/06.06.2022	Engineer - a successful entrepreneur (EngSE)	ROȘU	Ana-Maria	2022/2022 (3 (Roșu A.-M., Nistor I.-D., Muntianu G.) / 7)	39967
4.	PN-III-P2-2.1-PED-2019-1063 Contract finanțare: 490PED ⁄2020 Perioada: 2020-2022	Obtinerea de Materiale cu Valoare Adăugată prin Valorificarea Subproduselor Industriale (AddValueMat)	RUSU	Lăcrămioara	2020/perioada derulării 2020-2022 (4 ICA (1 responsabil partener și 3 membri (Grigoraș C.-G, Simion A.-I., Suceveanu E.-M.)) / 4)	Valoare totală contract = 200000.00 lei (aferentă anului 2022 = 52850,00 lei)/ aferent Dep. ICA = 52850,00 lei
5.	CNFIS-FDI-2022-0072	Realitate augmentată la UBc: vizualizarea 3D a activității didactice (Acronim: AR@UBc)	ZICHIL	Valentin	3 (Fînaru A.-L., Roșu A.-M., Tâmpu, R.-I.) / 18	500000
6.	CNFIS-FDI-2022-0208	Dezvoltarea capacității de cercetare a Universității „Vasile Alecsandri” din Bacău prin consolidarea infrastructurii, colaborare și abordarea unor tematici multidisciplinare (acronim: UBc-ConCoRD)	NECHITA	Elena	2 (Nistor I.-D., Patriciu O.-I.) / 25	360000
10.	AG 191/SGU/NC/II din 12.09.2019	Matematică, Informatică şi Biologie - educaţie şi profesii pentru viitor. Rămâi Integrat şi Total Motivat (acronim Mate-Info-Bio-RITM)	NECHITA	Elena	1 (Alexa I.C.) / 22	666430
11.	CNFIS-FDI-2022-0208	Dezvoltarea capacității de cercetare a	Nechita	Elena	Valentin Nedeff	3600000

		Universității „Vasile Alecsandri” din Bacău prin consolidarea infrastructurii, colaborarea și abordarea unor tematici multidisciplinare (acronim: UBc-ConCoRD)			Bârsan Narcis	
13.	F-PNRR-GDU-1-2022-0106	Dezvoltarea competenţelor pentru profesiile viitorului prin digitalizare, la UVABc	Schnakovszky	Carol	1/5	-
14.						
15.	CNFIS-FDI-2022-0069	„Alege UBc! Comunicare și consiliere educațională în vederea facilitării accesului la învățământul superior pentru elevii din mediile defavorizate (BE-UBc)”	Buzoianu	Cristina	Valentin Nedeff	280000
16.	CNFIS-FDI-2022-0087	„Infrastructură universitară pentru formare de calitate și viață sănătoasă	Alexe	Dan	Valentin Nedeff	371000
17.	PN-III-P2-2.1-PED-2019-5092, Contract nr. 569PED/2020) 1.11.2020-31.10.2022)	Colecție digitală a patrimoniului alimentar românesc și transfer spre societate – FOODie	Hedeșan	Otilia	Valentin Nedeff Florin Nedeff	148451
18	CNFIS-FDI–2022-0528	Adaptarea ofertei educaționale a Universității „Vasile Alecsandri” din Bacău la dinamica mediului economico-social	Danu	Cornelia	Valentin Nedeff Mirela Panainte-Lehăduș	100000
19	Cod: Sub-proiectului ROSE nr. AG 290/SGU/CI/III din 18.12.2019 Durată proiect: 18.12.2019-17.06.2022	PROIECTUL PRIVIND ÎNVĂȚĂMÂNTUL SECUNDAR (ROSE) cofinanţat de BIRD SCHEMA DE GRANTURI PENTRU UNIVERSITĂȚI – Centre de Învăţare Titlul proiectului: Centrul de învățare pentru studenții Universității „Vasile Alecsandri” din Bacău – PARTENER			Valentin Nedeff	544124
20	101072702 – ED Bacau	„EUROPE DIRECT Bacau”, Acordul-Cadru de Parteneriat ACP 03/2021-2025 (Ref. Ares (2021)2579005 – 16.04.2021), AGS 03/2022, Durata:1.01.2022-31.12.2022			Valentin Nedeff Florin Nedeff	232260
21	Proiectul ERASMUS +, Contractul 2021-2022	2021-2022			Valentin Nedeff	357.035 Euro (1749471)
22	25.689/15.12.2022	CONTRACT DE FINANȚARE pentru Proiecte de Mobilitate în învățământul universitar			Irimia Oana	176199.49

		Programul de Educație, Burse, Ucenicie și Antreprenoriatul Tinerilor în România finanţat prin Granturile SEE - Mecanismul Financiar 2014-2021				

8. Inițiativa în atragerea de fonduri de cercetare, prin proiecte depuse în competiţii naţionale, competiţii organizate de autorităţile locale, competiții internaționale

Nr. crt.	Proiect depus		Director proiect		Anul depunerii
	Nr. înregistrare	Denumire	Nume	Prenume	
1.	Proiect național	Reducerea consumului de energie electrica a unitatii de comprimare gaze naturale al grupului de cogenerare de 14 MWe din SACET Bacau prin inlocuirea motorului electric de antrenare - Studiu de fezabilitate	Grigore	Roxana Margareta	2022
2.	Fonduri Europene LIFE-2021-CET	Action Plan for a Sustainable Future. Implementation of the developed concept for the energy transition of cities and regions on the example of European localities	Grigore	Roxana Margareta	2022
3.	Horizon-Widera-2022-ACCESS-04-01	Widera – Hub de excelenta in domeniul hidrogenului	Grigore	Roxana Margareta	2022
4.	Digitalizarea universităților și pregătirea acestora pentru profesiile digitale ale viitorului	Planul Național de Redresare și Reziliență - PNRR 2022	câștigat	Schnakovszky Carol - director	2022

9.Rapoarte științifice de cercetare

Nr. crt.	*Proiect derulat*		*Director proiect*		*Anul obţinerii/ derulării*
	Nr. Înregistrare	*Denumire*	*Nume*	*Prenume*	
1.	Cod proiect: PN-III-P2-2.1-PED-2019-1063 Contract finanțare: 490PED/2020 Perioada:2020-2022	RAPORT ȘTIINȚIFIC ȘI TEHNIC 2022 - **Etapa III** – Modelarea și optimizarea bioproceselor statice /dinamice. Validarea metodologiei de imobilizare și încapsulare de RMB. Identificarea de oportunități viitoare pentru dezvoltarea echipei	Rusu, Grigoraș, Suceveanu,	L., C.-G, E.-M.	2020-2022
2.	2019-1-RO01-KA203-063870	Implementarea economiei circulare in Romania	Topliceanu	Liliana	2019/2022
3.	2020-1-ES01-KA202-082790	Situatia accesului la piata muncii a persoanelor cu dizabilitati	Topliceanu	Liliana	2020/2022
4.	2507/23.02.2022	Raport etapa contract 2(4879)/2021 – comanda 6	CIUBOTARIU	Vlad-Andrei	2022

5.	10368/21.06.2022	Raport etapa contract 2(4879)/2021 – comanda 7	CIUBOTARIU	Vlad-Andrei	2022
6.	13167/26.07.2022	Raport etapa contract 2(4879)/2021 – comanda 8	CIUBOTARIU	Vlad-Andrei	2022
7.	24675/07.12.2022	Raport etapa contract 2(4879)/2021 – comanda 9	CIUBOTARIU	Vlad-Andrei	2022

10. Brevete / Produse cu drept de proprietate intelectuală

Nr. crt	*Anul*	*Autor(i)*	*Titlul / număr pagini*	*Date de identificare*
1.	2022	Nedeff Valentin, Sandu Andrei Victor, Nedeff Florin Marian, Sandu Ioan Gabriel, Barsan Narcis, Tataru Laurentiu, Sandu Ion	Procedeu de obținere a membranelor polimerice asimetrice cu hidrofilie permanenta folosite la ultrafiltrarea apelor pentru industria farmaceutica și alimentara	Nr. brevet: 133608 B1 Clasificări internaționale: C08G 75/20 (2006.01) B01D 61/20 (2006.01) B01D 39/16 (2006.01) WO 02/05937 A2

11. Teze de doctorat susținute

Nr. crt	*Anul*	*Autor*	*Îndrumător*	*Titlu*
1.	2021	Ostache Nicu-Cosmin	Prof. univ. dr. Adriana FÎNARU Prof. univ. dr. Franck SUZENET Prof. univ. dr. Gérald GUILLAUMET	La soutenabilite de la methodologie d'obtention des pyrazolo[3,4-*d*]thiazoles et pyrazolo[3,4-*c*]pyrazoles
2.	2021	ANDREI Simona	Prof. univ. dr. ing. Ileana-Denisa NISTOR	Studii și cercetări privind posibilitățile de valorificare a unor soluri rezultate din decolmatări de albie și decopertări
3.	2021	MIRILĂ Diana-Carmen	Prof. univ. dr. ing. Ileana-Denisa NISTOR	Contribuții privind utilizarea unor materiale pe bază de argilă în realizarea catalizatorilor pentru depoluarea apelor industriale
4.	2021	Cochiorca Alina	Prof. univ. dr. ing. Dr. h. c. Valentin NEDEFF	Influența activităților miniere asupra calității apelor de suprafață și subterane

Sinteza activității de cercetare pe anul 2022

Indicatorul	Realizări
Număr cadre didactice la 01.01.2022	**54**
1. Număr de proiecte de cercetare/dezvoltare depuse în competiţii naţionale în calitate de coordonator	**9**
2. Număr de proiecte de cercetare/dezvoltare depuse în competiţii internaţionale	**0**
3. Număr de proiecte de cercetare/dezvoltare câştigate în competiţii naţionale în calitate de coordonator	**5**
4. Număr de proiecte de cercetare/dezvoltare câştigate în competiţii internaţionale	**0**
5. Valoarea contractelor de cercetare derulate în 2022, aferente UBc (RON)	**10915157,29**
6. Numărul contractelor de cercetare/dezvoltare derulare în 2022	**22**
7. Număr de teze de doctorat susținute în UBc	**4**
8. Articole publicate în reviste recunoscute la nivel internațional, cotate/indexate ISI (fracţiuni corespunzătoare cerc. UBc şi număr întreg lucrări)	**Fracțiune ING. 24,835** **Fracțiune UVAB 26,69** **47 lucrări**
9. Recenzii ISI	**0**
10. Articole publicate în reviste internaționale necotate ISI, dar indexate BDI	**Fracțiune ING.20,51** **Fracțiune UVAB 22,56** **25 lucrări**
11. Lucrări publicate în volumele conferințelor internaționale, indexate ISI / organizate de societăți profesionale internaționale (proceedings ISI)	**0**
12. Articole publicate în alte reviste*	**0**
13. Cărți /capitole publicate în edituri naționale, recunoscute CNCS	**9**
- pagini	**1943**
14. Cărți/ capitole publicate în edituri internaționale, de prestigiu	**0**
- pagini	**0**
15. Brevete / Produse cu drept de proprietate intelectuală	**1**
16. Alte activități de cercetare considerate relevante	**91 participări la conferințe internaționale** **7 rapoarte științifice de cercetare**

DECAN,

Conf.dr.ing. Mirela PANAINTE-LEHĂDUȘ

Prodecan responsabil cu managementul cercetării științifice și relații internaționale,
Conf. univ. dr. ing. Narcis BÂRSAN