



UNIVERSITATEA „VASILE ALECSANDRI” din BACĂU  
Facultatea de Inginerie

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**RAPORT**

**privind realizarea obiectivelor cercetării propuse în anul 2024**

INDICATORUL	
Număr cadre didactice la 01.01.2024	-
1. Număr de proiecte de cercetare/ dezvoltare depuse în competiții naționale în calitate de coordonator	6
2. Număr de proiecte de cercetare depuse în competiții internaționale	3
3. Număr de proiecte de cercetare/ dezvoltare câștigate în competiții naționale în calitate de coordonator	1
4. Număr de proiecte de cercetare / dezvoltare câștigate în competiții internaționale	-
5. Numărul contractelor de cercetare/dezvoltare derulare în 2024	17
6. Valoarea contractelor de cercetare derulate în 2024, aferente UBc (RON)*	124.993.336,13
7. Număr de teze de doctorat susținute în UBc	3
8. Articole publicate în reviste recunoscute la nivel internațional, cotate ISI (fracțiuni corespunzătoare cerc. UBc și număr întreg lucrări)**	45 / 30,366
9. Recenzii ISI	345
10. Articole publicate în reviste internaționale necotate ISI, dar indexate BDI	7 / 4,38
11. Lucrări publicate în volumele conferințelor internaționale, indexate ISI/ organizate de societăți profesionale internaționale (proceedings ISI)	4 / 3,80
12. Articole publicate în alte reviste***	-
13. Cărți /capitole publicate în edituri naționale, recunoscute CNCS	7 / 5,25
- pagini	1318
14. Cărți/ capitole publicate în edituri internaționale, de prestigiu	1 capitol
- pagini	36
15. Brevete / Produse cu drept de proprietate intelectuală	1
16. Alte activități de cercetare considerate relevante	130
a) articole prezentate la conferințe internaționale/ naționale	1
b) rapoarte științifice de cercetare	1
c) proiecte extracurriculare, etc.	21

\* Valoarea totală = pe facultăți + SSD/POC-COMUNE

\*\* Articole publicate în reviste recunoscute la nivel internațional, cotate/indexate ISI

\*\*\* În reviste sau volume ale unor conferințe neindexate

## ANEXE 2024

### 1. Proiecte de cercetare/ dezvoltare depuse în competiții naționale în calitate de coordonator

Nr. crt.	Proiect național / internațional		Director proiect		Membri echipă	Valoare contract în lei (2024)
	Nr. înregistrare	Denumire	Nume	Prenume		
1.	PN-IV-P10-SS-SC-2024-0087	Empowering New Generations in Achieving Great Engineering – ENG@AGE!	Chiriță	Bogdan-Alexandru	23	249.690,00
2.	CNFIS-FDI-2024-F-0556	Ecosistem antreprenorial competitiv, incluziv și sustenabil la Universitatea „Vasile Alecsandri” din Bacău	Pleșcău	Ioana	26	375.000
3.	PN-IV-P7-7.4-FTT-2024-0025	Technology Transfer to Industry and Society - Techno Transfer Fest @UBc 2025	Roșu	Ana-Maria	30	455196
4.	PN-IV-PCB-RO-MD-2024-0471	Valorisation of agro-industrial waste as support in food and non-food sectors	Roșu	Ana-Maria	18	719836
5.	PN-IV-PCB-RO-MD-2024-0357	Cercetări cu privire la stimularea ecologică a culturilor agricole	Bârsan	Narcis	9	544.600,00
6.	FDI-2024-F-0125_SSD	Internaționalizarea sistemului educațional LMD din UBc – Calitate, Continuitate și Mobilitate (Inter Connect CCMOB UBc)	Fînaru	Adriana	11	200.000,00
<b>TOTAL = fracțiuni 6</b>						<b>2.294.632,00</b>

### 2. Proiecte de cercetare depuse în competiții internaționale

Nr. crt.	Proiect național / internațional		Director proiect		Membri echipă	Valoare contract în lei (2024)
	Nr. înregistrare	Denumire	Nume	Prenume		
1.	ERC-2025-SyG, 101225216	HORIZON-ERC-SYG, STRADEM, Hermeneutic Strategic Model for Smart Adaptive Knowledge and Practice in the Urban-Rural Ecosystems	Nistor	Ileana-Denisa	Vor fi nominalizați dacă proiectul va fi câștigat	12.500.000
2.	HORIZON Call: ERC-2025-SyG Topic: ERC-2025-SyG Type of Action: HORIZON-ERC-SYG Proposal ID 101225150	Chemistry window of food behaviour and sustainability. The true science behind food production, distribution, and consumption. Acronym CRUMBS	Rusu	Lăcrămioara	Vor fi nominalizați dacă proiectul va fi câștigat	6.500.000
3.	HORIZON-WIDERA-2024-TALENTS-03-01	Bridge4Skills: Enhancing Skills Transferability from Construction to Defense Sectors	Panainte-Lehăduș	Mirela	5	806.506,25
<b>TOTAL = fracțiuni 3</b>						<b>19.806.506</b>

### 3. Proiecte de cercetare/ dezvoltare câștigate în competiții naționale în calitate de coordonator

Nr. crt.	Proiect		Director proiect		Membri echipă	Valoare contract în lei (2024)
	Nr. înregistrare	Denumire	Nume	Prenume		
1.	CNFIS-FDI-2024-F-0556	Ecosistem antreprenorial competitiv, incluziv și sustenabil la Universitatea „Vasile Alecsandri” din Bacău	Pleșcău	Ioana	26 membri	375.000
<b>TOTAL = fracțiuni: 1</b>						<b>402.370</b>

#### 4. Proiecte de cercetare / dezvoltare câștigate în competiții internaționale

Nr. crt.	Proiect		Director proiect		Membri echipă	Valoare contract în lei (2024)
	Nr. înregistrare	Denumire	Nume	Prenume		
1.						
<b>TOTAL = fracțiuni</b>						

#### 5. Contracte de cercetare/dezvoltare derulare în 2024

Nr. crt.	Proiect		Director proiect		Membri echipă	Valoare contract în lei (2024)
	Nr. înregistrare	Denumire	Nume	Prenume		
1.	2 (4879) / 2021 - UBc	Utilizarea sistemelor CAD și construcția prin fabricare aditivă – FDM, a reperelor din industria tâmplăriei din aluminiu și PVC (contract cu agent economic)	Ciubotariu	Vlad-Andrei	4 / 6	1.267,29
2.	CNFIS-FDI-2024-F-0556	Ecosistem antreprenorial competitiv, incluziv și sustenabil la Universitatea „Vasile Alecsandri” din Bacău – iEnterprise@UBc	Pleșcău	Ioana	6 / 26	375.000,00
3.	CNFIS-FDI-2024-F-0492	Ațiuni integrate pentru creșterea calității procesului de cercetare științifică la Universitatea „Vasile Alecsandri” din Bacău – UBc4Research	Nechita	Elena	6 / 50	200.000,00
4.	2024-F-0136	Digitalizarea componentei de studiu individual la UBc: utilizarea aplicațiilor cu suportul profesorului virtual” – PROF-VR@UBc	Zichil	Valentin	5 / 15	239.000,00
5.	FDI-2024-F-0125_SSD	Internaționalizarea sistemului educațional LMD din UBc – Calitate, Continuitate și Mobilitate (Inter Connect CCMOB UBc)	Fînaru	Adriana	7 / 11	200.000,00
6.	e-PNRR ID_08	Dezvoltare campus integrat pentru învățământ dual în municipiul Bacău	Nedeff	Florin-Marian	30	121.768.593,84
7.	CNFIS-FDI-2024-F-0179	Ațiuni suport pentru integrarea studenților cu dizabilități în comunitatea academică UBc (SUPPORT-UBc)	Amălâncei	Brîndușa-Mariana	1 / 25	315.000
8.	CNFIS-FDI-2024-F-0173	Instrumente de comunicare și consiliere adaptate tinerilor din medii defavorizate pentru creșterea accesului la educație și reducerea abandonului universitar" (CONSILIA-UBc)	Cîrțiță-Buzoianu	Cristina	1 / 16	640.000
9.	CNFIS-FDI-2024-F-0499	Investigarea parcursului profesional al absolvenților Universității „Vasile Alecsandri” din Bacău - componentă esențială a demersului strategic instituțional (Absolv UBc)	Danu	Marcela	1 / 16	350.000
10.	8.330/03.10.2024	Cooperare bilaterală pentru o colaborare pe termen lung	Irimia	Oana	15	270.750
11.	Contract de cercetare nr. 2/2024 (nr. înregistrare beneficiar 46/20.02.2024; nr. înregistrare executant 2738/22.02.2024)	Soluții inovative și sustenabile pentru valorificarea deșeurilor de lemn rezultate de la fabricarea mobilei în vederea integrării în economia circulară (Acronim SustenWood) Beneficiar: SC WOODGRADE SRL, Executant: Universitatea „Vasile Alecsandri” din Bacău, Valoare contract = 57 000 lei, Perioada: 2024-2025	Rusu	Lăcrămioara	3 / 4	40000
12.	Contract nr. 9830/28.06.2024	Determinarea compoziției deșeurilor menajere reziduale și reciclabile, similare și din piște și a deșeurilor biodegradabile la nivelul Județului Bacău - S.C. Compania Romprest Service S.A.	Moșneguțu	Emilian		0

13.	Contract nr. 10796/12.07.2024	Determinarea compoziției deșeurilor reziduale, biodegradabile și a deșeurilor reciclabile la nivelul zonei ispa (municipiul bacău și 22 de comune limitrofe) din județul Bacău	Moșneguțu	Emilian		22745
14.	Contract nr. 1/2024	Cercetări teoretice și aplicative efectuate pentru tratarea apelor, epurarea apelor uzate și tratarea nămolurilor.	Barsan	Narcis		42.000
15.	Proiectul „EUROPE DIRECT Bacău” nr. 101164664 – ED Bacau	Proiect „EUROPE DIRECT Bacau” cu nr. 101164664 – ED Bacau, contractat de Universitatea „Vasile Alecsandri” din Bacău cu Reprezentanța Comisiei Europene în România, având ca partener Municipiul Bacău, Acordul-Cadru de Parteneriat ACP 03/2021-2025 (Ref. Ares(2021)2579005 – 16.04.2021), Acord de grant specific AGS03/2024	Drugă	Luminița	6	237.000
16.	CNFIS – FDI – 2024 – F – 0071	Spații de practică, formare și cercetare pentru creșterea competențelor academice și profesionale ale studenților UBc (ModProfUBc)	Sava	Mihai-Adrian	10	120.000
17.	101128514 - DEFIEAU (nr 485/15.01.2024)	DEFIEAU — ERASMUS-EDU-2023-CBHE - Développement de formations professionnelles collaboratives pour Madagascar sur les métiers de l'EAU (proiect coordonat de Universitatea Limoges, Franta)	Panainte-Lehadus	Mirela	8	171.980
<b>TOTAL = fracțiuni 17</b>						<b>124.993.336,13</b>

#### 6. Teze de doctorat susținute în UBc

Nr. crt.	Doctorand	Titlul tezei de doctorat	Coordonator
1.	NIȚĂ Bogdan	Contribuții privind optimizarea diferitelor procedee de răcire necesară procesului de așchiere	Prof. dr. ing. habil. Carol SCHNAKOVSKY
2.	GHIORGHE Oana-Georgeta	Contribuții teoretice și experimentale privind optimizarea parametrilor de prelucrare prin electroeroziune a oțelurilor pentru construcția matrițelor	Prof. dr. ing. habil. Carol SCHNAKOVSKY
3.	HORTOLOMEU (LUNCANU) G.O. Andreea	Studii și cercetări privind utilizarea materialelor neconvenționale pentru îndepărtarea unor substanțe poluante din vin	Prof. univ. dr. ing. habil. NISTOR Ileana-Denisa
<b>TOTAL = 3</b>			

#### 7. Articole publicate în reviste recunoscute la nivel internațional, cotate/indexate ISI

Nr. crt.	Autor(i)	Titlul lucrării	Date identificare revistă
1.	Raveica, IC; Olaru, I; Herghelegiu, E; Tampu, NC; Radu, MC; Chirita, BA; Schnakovszky, C; Ciubotariu, VA	The Impact of Digitalization on Industrial Engineering Students' Training from the Perspective of Their Insertion in the Labor Market in a Sustainable Economy: A Students' Opinions Survey	Sustainability ISSN/ISBN: 2071-1050
2.	Ghiorghe, O; Schnakovszky, C; Herghelegiu, E; Radu, MC; Chirita, BA; Tampu, NC; Nita, B; Radu, P	Influence of the Electrode Material on Electrical Discharge Machining Process Performance	Scientific Study And Research-Chemistry And Chemical Engineering Biotechnology Food Industry ISSN/ISBN: 1582-540X

3.	Radu, MC; Herghelegiu, E; Tampu, C; Chirita, B; Schnakovszky, C; Radu, P; Ghiorghie, O	Use of vegetable oils as dielectric fluids for electrical discharge machining. A case study	Heliyon ISSN/ISBN: 2405-8440
4.	B Nita, R I Tampu, C Tampu, B A Chirita, E Herghelegiu, C Schnakovszky	Review Regarding the Influence of Cryogenic Milling on Materials Used in the Aerospace Industry	Journal of Manufacturing and Materials Processing ISSN/ISBN: 2504-4494
5.	Mohammed Toufik Amira, Imane Rezgui, Abderrahim Belloufi, Mourad Abdelkrim, Youssef Touggui, Elhocine Chiba, <b>Tampu C &amp; Chiriță B.</b>	Modeling and multi-objective optimization of the milling process for AISI 1060 steel	The International Journal of Advanced Manufacturing Technology ISSN/ISBN: 1433-3015
6.	Grigoraș, C.C.; Zichil, V.; Ciubotariu, V.A.; Cosa, S.M.	Machine Learning, Mechatronics, and Stretch Forming: A History of Innovation in Manufacturing Engineering	Machines ISSN/ISBN: 2075-1702
7.	Ciubotariu, V.A.; Grigoras, C.C.; Zichil, V.; Chirita, B.A.	Using the AIDA Method in the Design of New Elements for the Photovoltaic Mounting Structures	Machines ISSN/ISBN: 2075-1702
8.	Bibire, L.; Chitimus, A.D.; Ciubotariu, V.A.	Design of Mixing Device Shafts Based on a Proposed Calculation Method Supported by Finite Element Method Analysis	Machines ISSN/ISBN: 2075-1702
9.	Zichil, V.; Grigoras C.C.; Ciubotariu, V.A.	Notches and Fatigue on Aircraft-Grade Aluminium Alloys	Materials ISSN/ISBN: 1996-1944
10.	Cirtita-Buzoianu C.; Amalancei, B.M.; <b>Zichil, V.; Grigoraș C.C.; Ciubotariu, V.A.</b>	Strength of materials digital solutions	Acta Technica Napocensis-Series: Applied Mathematics, Mechanics, and Engineering ISSN/ISBN: 2668-6449
11.	Radu, P., Schnakovszky, C.	A Review of Proposed Models for Cutting Force Prediction in Milling Parts with Low Rigidity	Machines ISSN/ISBN: 2075-1702
12.	Grigoraș C.G., Simion, A.I, Drob, C.	Hydrogels Based on Chitosan and Nanoparticles and Their Suitability for Dyes Adsorption from Aqueous Media: Assessment of the Last-Decade Progresses	Gels ISSN 2310-2861
13.	M. Lupu, V. Nedeff, M. Panainte, E. Moșneguțu, C. Tomozei, D. Chițimuș, D.I. Rusu	The Textural and Physical Characteristics of Red Radishes Based on a Puncture Test	Processes, 12(2):282, ISSN 2227-9717
14.	S. Volovăț, T. Popa, <b>D.I. Rusu</b> , L. Ochiuz, D. Vasincu, M. Agop, C. Buzea, C. Volovăț	Comparative Performance of Autoencoders and Traditional Machine Learning Algorithms in Clinical Data Analysis for Predicting Post-Staged GKRS Tumor Dynamics	Diagnostics, 14(18):2091, ISSN 2075-4418
15.	Grigoraș C.G., Simion A.I.	Synthesis of a new composite material derived from cherry stones and sodium alginate – Application to the adsorption of methylene blue from aqueous solution: process parameter optimization, kinetic study, equilibrium isotherms, and reusability	Journal of Composites Science (ISSN: 2504-477X, FI <sub>2023</sub> = 3,0)
16.	<b>Muntianu G., Nistor I.-D., Mirilă D.-C., Georgescu A.-M., Aruș V.-A., Platon N., Jinescu C.</b>	Electromagnetic field application in fluidization of metallic particles	Scientific Study and Research – Chemistry and Chemical Engineering, Biotechnology, Food Industry (ISSN: 1582-540X, FI <sub>2023</sub> = 0,3)

17.	Niță, N.T., <b>Suceveanu E.M., Nedeff F. M.,</b> Tița O., <b>Rusu L.*</b>	Biocomposite material based on <i>Lactococcus lactis</i> sp. immobilized in natural polymer matrix for pharmaceutical removal from aqueous media	Polymers (eISSN: 2073-4360, FI <sub>2023</sub> = 4,7)
18.	Vasiliu L., Lazar L., <b>Rusu L.,</b> Harja M.	Effect of alternative raw materials over clincker quality and CO <sub>2</sub> emissions.	Scientific Study and Research – Chemistry and Chemical Engineering, Biotechnology, Food Industry (ISSN: 1582-540X, FI <sub>2023</sub> = 0,3)
19.	Ifrim I.-L., Suceveanu E.-M.*, Ștefănescu I.-A.	The impact of ultrasound treatment on the quality of different wine varieties	Scientific Study and Research – Chemistry and Chemical Engineering, Biotechnology, Food Industry (ISSN: 1582-540X, FI <sub>2023</sub> = 0,3)
20.	Ababei R.*, Sandovici A., <b>Ifrim I.L.,</b> Ababei C.*, Gorgan C.M., Nechifor C.	The importance of nutrition in structuring the locus of control	Revista Românească pentru Educație Multidimensională (ISSN: 2066-7329, eISSN: 2067-9270, FI <sub>2023</sub> = 0,6)
21.	<b>Grosu L.,</b> Ferenț E., Nicuță D., <b>Alexa I.-C.</b>	Approach regarding the biosafety evaluation of black and red currant pomace extracts using <i>Allium cepa</i> test	Ovidius University Annals of Chemistry (ISSN: 1583-2430, eISSN: 2286-038X, FI <sub>2023</sub> = 1,0)
22.	<b>Arus V.-A., Georgescu A.-M.,</b> <b>Platon N., Rosu A.-M.,</b> <b>Muntianu G.,</b> Teusdea A.C., Vartolomei N., <b>Nistor I.-D.</b>	Preliminary studies concerning the influence of buckwheat flour on the quality of white wheat bread	Scientific Study and Research – Chemistry and Chemical Engineering, Biotechnology, Food Industry (ISSN: 1582-540X, FI <sub>2023</sub> = 0,3)
23.	Nicuță D., <b>Grosu L., Alexa I.-C.,</b> <b>Finaru A.-L.</b>	Sustainable characterization of some extracts of <i>Origanum vulgare</i> L. and biosafety evaluation using <i>Allium cepa</i> assay	Horticulturae (eISSN: 2311-7524, FI <sub>2023</sub> = 3,1)
24.	Tița O., Constantinescu M.A., <b>Rusu L.*,</b> Tița M.A.	Natural polymers as carriers for encapsulation of volatile oils: applications and perspectives in food products	Polymers (eISSN: 2073-4360, FI <sub>2023</sub> = 4,7)
25.	<b>Hortolomeu A.</b> Mirila, D.C., <b>Roșu A.-M., Nedeff F.M.,</b> Scutaru I., Ureche D., Sturza R., <b>Finaru A.-L., Nistor I.D.</b>	Chemically modified clay adsorbents used in the retention of protein and polyphenolic compounds from Sauvignon Blanc white wine	Nanomaterials (eISSN: 2079-4991, FI <sub>2023</sub> = 4,4)
26.	Opruța T., Tița M., Constantinescu A., <b>Rusu L.,</b> Tița O.	Characterization of <i>Juniperus communis</i> L. essential oil obtained from berries harvested from the Balkan area	Scientific Study and Research – Chemistry and Chemical Engineering, Biotechnology, Food Industry (ISSN: 1582-540X, FI <sub>2023</sub> = 0,3)
27.	Suteu D., Blaga A.C., <b>Rusu L.*,</b> Tanasa A. M.	<i>Saccharomyces pastorianus</i> residual biomass immobilized in a polymer matrix as a biosorbent for reactive dye removal: investigations in a dynamic system	Polymers (eISSN: 2073-4360, FI <sub>2023</sub> = 4,7)
28.	Azzouz A., <b>Aruș V.A., Platon N.</b>	Role of clay substrate molecular interactions in some dairy technology applications	International Journal of Molecular Sciences (ISSN: 1661-6596, eISSN: 1422-0067, FI <sub>2023</sub> = 4,9)
29.	Sandu-Bălan (Tăbăcariu) A., Ifrim I.-L.*, Patriciu O.-I.*, Ștefănescu I.-A., Finaru A.-L.	Walnut by-products and elderberry extracts – sustainable alternatives for human and plant health	Molecules (eISSN: 1420-3049, FI <sub>2023</sub> = 4,2)
30.	<b>Dragoș-Alexandru Andrioaia,</b> Vasile-Gheorghită Găitan, Bogdan Pătruț, Iulian Furdu	Comparative Performance Analysis of Filling Missing Values Algorithms in PdM Systems of UAV	BRAIN, Broad Research in Artificial Intelligence and Neuroscience ISSN 2068-0473
31.	<b>Dragoș-Alexandru Andrioaia,</b> Vasile-Gheorghită Găitan	Finding Fault Types of BLDC Motors Within UAVs Using Machine Learning Techniques	Heliyon ISSN 2405-8440

32.	Dragoș-Alexandru Andrioaia, Vasile-Gheorghiiță Găitan, <b>George Culea, Ioan-Viorel Banu</b>	Predicting the RUL of Li-Ion Batteries in UAVs Using Machine Learning Techniques	Computers ISSN 2073-431X
33.	Grigore Roxana, Vernica Sorin-Gabriel, Popa Sorin-Eugen, Banu Ioan Viorel	Simulation and Experimental Results for Energy Production Using Hybrid Photovoltaic Thermal Technology	Energies, Section A2: Solar Energy and Photovoltaic Systems ISSN 1996-1073
34.	Grigore Roxana, Hazi Aneta, Banu Ioan Viorel, Popa Sorin-Eugen, Vernica Sorin-Gabriel	Enhancing the Energy Performance of a Gas Turbine: Component of a High-Efficiency Cogeneration Plant	Energies ISSN 1996-1073
35.	Liviņi Petru, Culea George, Banu Ioan Viorel, Vernica Sorin-Gabriel	Comparative Study of a Buck DC-DC Converter Controlled by the MPPT (P&O) Algorithm without or with Fuzzy Logic Controller	Applied Sciences ISSN 2076-3417
36.	<b>Enachi Andrei</b> , Turcu Cornel, <b>Culea George</b> , <b>Sghera Bogdan Constantin</b> , <b>Ungureanu Andrei Gabriel</b>	Romanian Sign Language and Mime-Gesture Recognition	International Journal of Advanced Computer Science and Applications, ISSN 2158-107X
37.	<b>Mosnegutu E</b> , <b>Bibire L</b> , <b>Chitimuș D</b> , <b>Panainte-Lehăduș M</b> , Jasiński M, Przydatek G, Sporea N.	Analysis of a Mechanism Used to Operate an Oscillating Separator	Applied Sciences ISSN 2076-3417
38.	Grzegorz Przydatek, Monika Golonka, <b>Narcis Barsan</b> , <b>Emilian Mosnegutu</b> , <b>Alexandra-Dana Chitimus</b> , <b>Oana Irimia</b>	Environmental and energy efficiency of a selected municipal wastewater treatment plant – a case study	IOP Publishing, Engineering Research Express
39.	Bogdan, P.-L.; Nedeff, V.; Panainte-Lehadus, M.; Chitimuș, D.; Barsan, N.; Nedeff, F.M.	Delineation of Groundwater Potential Zones Using Geospatial Techniques. Case Study: Roman City and the Surrounding Area in the Northeastern Region, Romania.	Water ISSN: 2073-4441
40.	<b>Irimia, Oana</b> ; Gaspar, Eniko; Stanciu, Mirela; <b>Mosnegutu, Emilian</b> ; <b>Barsan, Narcis</b>	Optimizing Nitrogen and Phosphorus Removal from Wastewater in the Context of a Sustainable Economy	Water ISSN: 2073-4441
41.	<b>Zaharia A.</b> ; <b>Nedeff V.</b> ; López-Ramírez J.A.; <b>Mosnegutu E.</b> ; <b>Bârsan N.</b> ; <b>Lehadus-Panaite M.</b> ; Krzysztof J.; <b>Tomozei C.</b>	Scanning Electron Microscope Analysis of Polypropylene Filter Cartridges Used in Drinking Water Purification Systems	Water ISSN: 2073-4441
42.	Nikiema M.; <b>Barsan N.</b> ; Ouili A.S.; <b>Mosnegutu E.</b> ; Somda K.M.; Maiga Y.; Tidiane C.C.O.; Ouattara C.A.T.; <b>Nedeff V.</b> ; Ouattara A.S.	Determination of Particle Size for Optimum Biogas Production from Ouagadougou Municipal Organic Solid Waste	Sustainability (ISSN 2071-1050)

43.	Mahamadi Nikiema, Marius K Somda, Joseph B Sawadogo, Salifou Bambara, <b>Narcis Barsan</b> , Ynoussa Maïga, S Amidou Ouili, Cheik Omar Tidiane Compaoré, Iliassou Mogmenga, Dayérid Dianou, Alfred S Traoré, Cheik AT Ouattara, Aboubakar S Ouattara	Optimization for improved biomethane yield from cashew nut hulls through response surface methodology	Biomass Conversion and Biorefinery ISSN 2190-6823
44.	Maciej Mamys, Dariusz Pyka, Adam Kurzawa, Mirosław Baocian, <b>Narcis Barsan</b> , Krzysztof Jamroziak	Experimental and Numerical Analysis of a Car Body Shield Loaded with a Ballistic Impact	Machines, ISSN 2075-1702
45.	Rusu, Cristina-Marcela; <b>Bibire, Luminita</b> ; Molcalut, Monica; Corabieru, Anisoana; Giurmandley, Raluca; Agop, Stefana	Constitutive material laws from multifractal perspective of motion	UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS ISSN 1223-7027
<b>TOTAL = fracțiuni: 45 articole (30,366 Facultatea de Inginerie)</b>			

#### 8. Recenzii ISI

Nr. crt.	Autor(i)	Titlul lucrării	Date identificare revistă
<b>CIUBOTARIU Vlad-Andrei – IMSI (3 recenzii)</b>			
1.	Lei Xiao, Hao Zhong, Jianjian Liu1, Kaiyu Zhang, Qizhen Xu*, Le Chang	A Novel Source Code Representation Approach Based on Multi-Head Attention (ID-3012217)	Electronics ISSN: 2079-9292
2.	Bálint Ambrus, Gergely Teschner, Attila József Kovács, Miklós Neményi, Norbert Boros, Anikó Nyéki	Self-designed autonomous smart small robot development for precision agriculture using neural networks (ID-3205052)	Applied Sciences ISSN: 2076-3417
3.	Hanlin Chen*, Xizhe Zang, Yanhe Zhu and Jie Zhao	Hybrid Sampling-based Path Planning for Mobile Manipulators Performing Pick or Place Tasks in Narrow Spaces (ID-3279974)	Applied Sciences ISSN: 2076-3417
<b>CHIRIȚĂ Bogdan-Alexandru – IMSI (11 recenzii)</b>			
4.	-	Effect of Machining Parameters on Surface Roughness in Dry End-Milling of Ti35Nb7Ta5Zr Alloy for Biomedical Applications	Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture ISSN: 0954-4054
5.	-	Optimal machining parameters selection for high quality tooth surface by high-speed dry gear hobbing	Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture ISSN: 0954-4054
6.	-	Cryogenic and conventional machining using CVD-coated inserts to improve the surface characteristics of low-carbon steel alloy E350	Cogent Engineering Online ISSN: 2331-1916

7.	-	Experimental study on the surface morphology of single-point diamond turning of tungsten alloy	Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture ISSN: 0954-4054
8.	-	Sustainable Drilling Process: Investigation of Vegetable-Based Oils as a Cutting Fluid	Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture ISSN: 0954-4054
9.	-	Performance Analysis of Helical Milling and Drilling Operations While Machining Carbon Fiber-Reinforced Aluminum Laminates	Journal of Manufacturing and Materials Processing eISSN 2504-4494
10.	-	Progress in the milling processes for molten coatings: A review	Surface Engineering ISSN 0267-0844
11.	-	Role of Li and Sc Additions and machining conditions on cutting forces on milling behavior of A7075 Based Alloys	Journal of Manufacturing and Materials Processing eISSN 2504-4494
12.	-	Interactive impact of machining parameters on infeed cutting force using endmill cutter on A17075-T6 aluminum alloy by response surface methodology	Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture ISSN: 0954-4054
13.	-	A Review of Progress in Milling Processes for Molten Coatings	Surface Engineering ISSN 0267-0844
14.	-	Experimental Investigations on Surface Integrity in Thin Structure Machining of Aluminum 6061-T6	Journal of Materials Engineering and Performance ISSN 1059-9495
<b>RADU Maria-Crina – IMSI (8 recenzii)</b>			
15.	Junkai Fan, Chaojie Guo, Sanpeng Gong, Guofeng Zhao, Chenxu Luo	Investigation of the correlation between nozzle structure and particle motion during shot peening using the PIV method (ID- JAMT-D-24-01526)	The International Journal of Advanced Manufacturing Technology ISSN: 0268-3768, eISSN: 1433-3015
16.	Dennis Möllensiep, Lukas Detering, Philipp Kulesa, Matthias Steinhof, Bernd Kuhlenkötter	Prediction of forming accuracy in incremental sheet forming using artificial neural networks on local surface representations (ID - JAMT-D-24-01307)	The International Journal of Advanced Manufacturing Technology ISSN: 0268-3768, eISSN: 1433-3015
17.	Kashif Ishfaq, Muhammad Sana, Muhammad Umair Waseem, Saqib Anwar, Abdul Wasy Zia	Circular usage of waste cooking oil towards green electrical discharge machining process with lower carbon emissions (ID - JAMT-D-23-05553, JAMT-D-23-05553R1)	The International Journal of Advanced Manufacturing Technology ISSN: 0268-3768, eISSN: 1433-3015
18.	Hyewon Jang, Junaid Rashid, Joohee Lee	A Qualitative Study of the Experiences and Perceptions of Korean Undergraduates Regarding Two-Stage Examinations (ID - sustainability-3183444)	Sustainability ISSN: 2071-1050
19.	Patricia Andino-González, Alejandro Vega-Muñoz, Guido Salazar-Sepúlveda	Analyzing Managerial Skills for Employability in Graduate Students in Economics, Administration and Accounting Sciences (ID - sustainability-3121625)	Sustainability ISSN: 2071-1050

20.	-	Examining the NAF Academy Elements Associated with College Matriculation for High School Graduates (ID - education-3054574)	Education Sciences ISSN: 2227-7102
21.	Elizabeth Troncoso, Daniel A. López, René Ruby-Figueroa, Dieter Koch, Ricardo Reich	Does quality matter? Quality assurance in research for the Chilean higher education system (ID- publications-2773161)	Publications ISSN: 2304-6775
22.	Omer S. Alkhnbashi, Rasheed Mohammad, Doaa M. Bamasoud	Education in Transition: Adapting and Thriving in a Post-COVID World (ID - systems-3198825)	Systems ISSN: 2079-8954
<b>RUSU Lăcrămioara – ICA (12 recenzii)</b>			
23.	Chmelová D., Ondrejovic M., Miertus S.	Laccases as effective tools in the removal of pharmaceutical products from the aquatic systems	Life, ISSN: 2075-1729
24.	Roila, R.; Primavilla, S.; Ranucci, D.; Galarini, R.; Paoletti, F.; Altissimi, C.; Valiani, A.; Branciari, R.	The Effects of Encapsulation on the In Vitro Anti-Clostridial Activity of Olive Mill Wastewater Polyphenolic Extracts: A Promising Strategy to Limit Microbial Growth in Food Systems	Molecules, ISSN: 1420-3049
25.	Gabriel Pérez-Lucas, Simón Navarro	How Pharmaceutical Residues Occur, Behave, and Affect the 2 Soil Environment	Journal of Xenobiotics, ISSN: 2039-4713
26.	Xianpu Zhu, Dominic Yellezuome, Hanlin Zhang, Weiguang Lv, Ronghou Liu*	Effects of reduced hydraulic retention time and self-induced mixing on two-stage anaerobic digestion utilizing acidogenic off-gas	Chemical Engineering Journal, Print ISSN: 1385-8947, Online ISSN: 1873-3212
27.	Atcharaporn Botalo, Thitirat Inprasit, Sarute Ummartyotin, Kittipong Chainok, Suteera Vatthanakul, Penwisa Pisitsak*	Smart and UV-Resistant Edible Coating and Films Based on Alginate, Whey Protein, and Curcumin	Polymers, eISSN 2073-4360
28.	Afloarea, O.-T.; Nacu, I.; Verestiuc, L.; Yilmaz, C.N.; Panainte, A.D.; Peptu, C.A.; 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.	Polymers, eISSN 2073-4360
29.	Tsekova, P.; Nachev, N.; Valcheva, I.; Draganova, D.; Naydenov, M.; Spasova, M.; Stoilova, O.	Encapsulation of Bacillus subtilis in Electrospun Poly(3-hydroxybutyrate) Fibers Coated with Cellulose Derivatives for Sustainable Agricultural Applications.	Polymers, eISSN 2073-4360
30.	Fernández-Martínez, M.C.; Jiménez-Martínez, C.; Jaime-Fonseca, M.R.; Alamilla-Beltrán, L.	Extraction of Purple Prickly Pear (Opuntia ficus-indica) Mucilage by Microfiltration, Composition, and Physicochemical Characteristics.	Polymers, eISSN 2073-4360
31.	Zhao, W.; Wang, B.; Yu, G.	Addressing the Uncertainties in the Environmental Analysis, Modeling, Source and Risk Assessment of Emerging Contaminants	Water, ISSN 2073-4441
32.	Meghmala S. Waghmode*, Avadhut V. Kardile, Ravindra U. Mene, Pragati S. Abhyankar, Saiprakash Rout, Dipak K. Sahoo, and Neha N. Patil	Biosorption of Acetaminophen by dead biomass of Aspergillus niger immobilised on luffa sponge	Biomass Conversion and Biorefinery, eISSN: 2190-6823. Print ISSN 2190-6815
33.	-	vol. 25 / 2024 al revistei: nr. 2/2024 – 1 recenzie	Scientific Study and Research – Chemistry and Chemical Engineering, Biotechnology, Food Industry (ISSN: 1582-540X, FI <sub>2023</sub> = 0,3)

34.	-	vol. 25 / 2024 al revistei: nr. 3/2024 - 1 recenzie	Scientific Study and Research – Chemistry and Chemical Engineering, Biotechnology, Food Industry (ISSN: 1582-540X, FI <sub>2023</sub> = 0,3)
<b>ARUS Vasilica-Alisa – ICA (16 recenzii)</b>			
35.	Andrea Smith, Vijaya Raghavan	Molecular Dynamics Simulation of the Thermal Treatment of the Arachidonic Acid in Peanut Protein	Processes (ISSN 2227-9717) Section - Food Process Engineering Special Issue -Processing Foods: Process Optimization and Quality Assessment, 3rd Edition
36.	Simon R Gilmour*, Steve E Holroyd, Maher D Fuad, Dave Elgar, Aaron C Fanning	Variation of Amino acid composition in dried bovine dairy powders from a range of product streams	Foods (ISSN 2304-8158) Section - Dairy
37.	Yuxian Wang, Qian Yu, Yufeng Shao, Ruixia Gu, Zhangwei He, Congcong Tang*, Wenqiong Wang*	The Antioxidant Property of Membrane Separated Whey Protein and Blueberry Juice Fermented Products After In Vitro Digestion	Fermentation (ISSN 2311-5637) Section - Fermentation for Food and Beverages Special Issue - Fermented Dairy Products: Processing Technology, Microbiology and Health Benefits: 2nd Edition
38.	Qinggang Xie, Yuhao Huang*, Xianli Zhang, Xiaoxi Xu*, Zhenxing Li	Development of an indirect competitive ELISA based on the stable epitope of $\beta$ -lactoglobulin for its detection in hydrolyzed formula milk powder	Foods (ISSN 2304-8158) Section - Food Analytical Methods
39.	Dilema Wijegunawardhana, Isuru Wijesekara, Rumesh Liyanage, Tuyen Truong, Mayumi Silva, Jayani Chandrapala*	The impact of varying lactose to maltodextrin ratios on the physical and structural characteristics of pasteurized and concentrated skim and whole milk-tea blends	Foods (ISSN 2304-8158) Section - Dairy Special Issue - Modifications and Interactions of Milk Proteins in Different Processes and Products
40.	Prafulla Salunke*, Lloyd E. Metzger	Transglutaminase Crosslinked Milk Protein Concentrate and Micellar Casein Concentrate: Impact on the Functionality of Imitation Mozzarella Cheese Manufactured on a Small Scale Using a Rapid Visco Analyzer	Foods (ISSN 2304-8158) Section Dairy - Special Issue - Modifications and Interactions of Milk Proteins in Different Processes and Products
41.	Carlotta Ceniti, Emanuela Chiarella*, Massimo Borelli, Valeria Maria Morittu, Domenico Britti*	Rapid detection of species identification in mozzarella cheese using capillary electrophoresis	Applied Sciences (ISSN 2076-3417) Section - Applied Biosciences and Bioengineering Special Issue - Bio-Based Products and Co-products Applications
42.	Massimiliano Rinaldi, Rohini Vijay Dhenge, Margherita Rodolfi*, Paola Littardi, Karen Lacey, Antonella Cavazza, Maria Grimaldi, Veronica Lolli, Martina Cirlini, Benedetta Chiancone, Tommaso Ganino	The Effects of High-Pressure Processing pre-treatment on apple fruit for juice production	Foods (ISSN 2304-8158) Section - Food Quality and Safety Special Issue - Advances in Fruit Juices Processing and Innovative Technologies for the Development of Sustainable Functional Foods
43.	Hsin-Jung Chen, Yuh-Shuen Chen, Kuo-Min Lin, Shuo-Wen Tsai, Mei-Jine Liao, Chia-Sheng Yeh*, Shih-Lun Liu	Comparison of the Control Atmosphere Treatment for Submerged and Solid State Fermentation of <i>Inonotus obliquus</i>	Foods (ISSN 2304-8158) Section - Food Biotechnology

44.	Wen-Yuan Zhao, Miao-Ying Chen, Hao-Ran Wu, Wei-Dong Li, Bang-An Lu*	Phosphorus-Doping Enables the Superior Durability of a Palladium Electrocatalyst towards Alkaline Oxygen Reduction Reactions	Materials (ISSN 1996-1944) Section - Materials Chemistry
45.	Pei Zhao*, Shan Zhang, Ran Xiao, Lu Xue*, Zijian Wu, Fei Xu, Tianjiao Niu, Fan Jiang, Aoqiong Zeng	Effects of Ultra-High-Pressure Jet Processing on Protein Structure, Physicochemical and Sensory Properties of Skimmed Bovine Milk	Foods (ISSN 2304-8158) Section - Dairy Special Issue - Milk and Dairy Products: Structure, Digestion, and Properties
46.	Roberta Prete*, Francesca Dell'Orco, Giusi Sabatini, Federica Montagano, Natalia Battista, Aldo Corsetti	Improving antioxidant and anti-inflammatory activity of fermented milks with EPS-producing Lactiplantibacillus plantarum strains	Foods (ISSN 2304-8158) Section - Food Microbiology Special Issue - Lactobacillus as a Biotechnological Tool to Improve Food Quality and Human Health
47.	Khaled Sobhy Nassar*, Hala Mahmoud Bayomy, Eman Saad Alamri, Nawal Abdullah Ozaybi, Sameh Korma*, Jiaping Lv, Eman Saad Ragab	High-Pressure Processing Effects on Micellar Casein from Bovine and Caprine Milk	Foods (ISSN 2304-8158) Section - Food Engineering and Technology
48.	Anton L. Esipovich, Sergey Yu. Zlobin, Konstantin K. Shirshin*, Sergey A. Zavrazhnov, Artyom N. Markov	Catalytic conversion of glycerol to lactic acid over Cu-based catalysts	Catalysts (ISSN 2073-4344) Section - Catalysis in Organic and Polymer Chemistry
49.	-	vol. 25 / 2024 al revistei: nr. 1/2024 – 1 recenzie	Scientific Study and Research – Chemistry and Chemical Engineering, Biotechnology, Food Industry (ISSN: 1582-540X, FI <sub>2023</sub> = 0,3)
50.	-	vol. 25 / 2024 al revistei: nr. 3/2024 - 1 recenzie	Scientific Study and Research – Chemistry and Chemical Engineering, Biotechnology, Food Industry (ISSN: 1582-540X, FI <sub>2023</sub> = 0,3)
<b>GRIGORAȘ Cristina-Gabriela – ICA (64 recenzii)</b>			
51.	Abedanpour A., Barzegar M., Azizi M.H., Pouya A., Yazdi G., Bazsefidpar N.	Fortification of pasta with egg shell powder as a natural source of calcium (AFRES-D-24-00658)	Applied Food Research (ISSN 2772-5022)
52.	Chen M., Luo D., Yang Y., Lahaye M., Tang T., Lan W., Lee K., Liu Y.	Exploring the impact of co-extracted cell wall polysaccharides on the stability of blueberry anthocyanin in deep eutectic solvent (CEJ-D-24-10393)	Chemical Engineering Journal (ISSN 1873-3212)
53.	Krishnan S., Shriwastav A.	A comprehensive assessment of various natural plant pigments sensitized catalysts for photocatalytic treatment process: Treatment, catalyst stability, immobilization, and regeneration (CEJ-D-24-21268)	Chemical Engineering Journal (ISSN 1873-3212)
54.	Yan L., Miao J., Ma Y., Yin M., Song X.	Removal of nitrate nitrogen by aerobic denitrification granular sludge under strong alkaline conditions: Performance and mechanism (CEJ-D-24-20914)	Chemical Engineering Journal (ISSN 1873-3212)
55.	He T., Li Y., Zhao J., Chen J., Yang M., Wang Y., Huang Z., Wang Z.	Interfacial dynamics and wettability modification: surfactant, micelle, and microemulsion systems in enhanced oil recovery (CEJ-D-24-16487)	Chemical Engineering Journal (ISSN 1873-3212)
56.	Cao S.Y., Du C.M., Wang Z.J.	High temperature co-processing of stainless-steel slag and red mud: Towards a selective Cr immobilization and harmless treatment (CEJ-D-24-31278)	Chemical Engineering Journal (ISSN 1873-3212)
57.	Hrnčíř P., Kohouta J.	A Matlab-based simulator for the study of process control of fed-batch yeast fermentations (ECE-D-24-00042)	Education for Chemical Engineers (ISSN 1749-7728)

58.	Sánchez A., Ramírez-Márquez C., Sánchez-Ramírez E., Segovia-Hernandez J.G., Cerón-García A., Gómez-Salazar J.A.	Effect of ultrasound for postharvest preservation of carrot from an economic and environmental perspective: Experimentation and deterministic optimization (FBP-D-23-00978)	Food and Bioproducts Processing (ISSN 1744-3571)
59.	Liu G., Wang Y., Yang J., Wang Y. He H., Mao L.	Roles of different polysaccharides on the structures of alginate-based bigel beads and co-delivery of bioactives (FOCHX-D-24-02640)	Food Chemistry-X (ISSN 2590-1575)
60.	Vitorino de Fariasa A.B., Barcelos da Costa T.B., Gurgel Carlos da Silva M., Gurgel Adeodato Vieira M.	Cerium biosorption onto alginate/vermiculite-based particles functionalized with ionic imprinting: kinetics, equilibrium, thermodynamic and reuse studies (IJBIOMAC-D-22-12316)	International Journal of Biological Macromolecules (ISSN 1879-0003)
61.	Khalid Z., Sun L., Lv G., Lin S., Wei B., Duan Y., Liu X., Jiang X.	A novel approach to heavy metal immobilization in MSWI fly ash: Investigating the use of chicken eggshell waste and CaO addition (JECE-D-23-12709)	Journal of Environmental Chemical Engineering (ISSN 2213-3437)
62.	Xi X., Hu X., Zhou L., Song H., Wang Z., Dong F., Han Y., Zheng Z., Zhou L.	Preparation and characterization of nano-sized biological FeS for the removal of V(V) from aqueous solutions (JECE-D-24-01450)	Journal of Environmental Chemical Engineering (ISSN 2213-3437)
63.	Dax Bonilla Mancilla H., Del Pino Moreyra J., Bullon Rosas J.J., Rubén Bernal Marcelo A., Tejada Tovar C., Kumar Jindal M., Kumar D., Ghernaout D.	Pinus radiata forest residue: A bio-adsorbent of choice for selective Cr (VI) removal from contaminated effluents (JECE-D-24-01833)	Journal of Environmental Chemical Engineering (ISSN 2213-3437)
64.	Li X.G., Shi S.X., Yan S., Li L., Qin X.Z., Zhu X.N.	Sustainable strategies for recovering metallic copper from waste printed circuit boards: clean leaching and micro-nano copper powder preparation (JECE-D-24-04139)	Journal of Environmental Chemical Engineering (ISSN 2213-3437)
65.	Zheng J., Xie Y., Ping Y., Xu H., Li Q., Liao Q., Li Q., Yang Z., Si M., Yang W.	PowerchinaCrystal phase conversion of amorphous Fe–Mn binary oxides promote the sequestration of arsenic, cadmium, and lead in the soil: comparison with crystalline form (JECE-D-24-04374)	Journal of Environmental Chemical Engineering (ISSN 2213-3437)
66.	Li X., Zhang Z., Zhao Y., Chen L., Yu C., Liu X., Zhao S., Feng Z., Ma K., Ding X., Zhao J., Xiao S.	Efficient and rapid adsorption of thorium by sp <sup>2</sup> c-COF with one-dimensional regular macroporous channels (JECE-D-24-08287)	Journal of Environmental Chemical Engineering (ISSN 2213-3437)
67.	Shen C., Jiang W., Wang X., Shi W., Liang W., Nie Y., Li Y., Ai S.	Carbon-nitrogen modified geopolymer supported iron nanoparticles for the removal of perfluorooctanoic acid: adsorption performance and mechanism (JECE-D-24-09559)	Journal of Environmental Chemical Engineering (ISSN 2213-3437)
68.	Jiang Q., Ma T., Tsuchikawa S., Inagaki T., Wang H., Jiang H.	Intelligent monitoring of post-processing characteristics in 3D-printed food products: A focus on fermentation process of starch-gluten mixture using NIR and multivariate analysis (JFOODENG-D-24-00998)	Journal of Food Engineering (ISSN 1873-5770)
69.	van der Sman R.G.M., van den Hoek I.A.F., Zhao Y.	Interaction of milk fat solidification and cheese cooling (JFOODENG-D-24-01327)	Journal of Food Engineering (ISSN 1873-5770)
70.	de Mattos R., Zecchi B.	Modeling, simulation, and optimization of multi-stage equilibrium extraction of phenolic compounds from grape pomace (JFOODENG-D-24-01533)	Journal of Food Engineering (ISSN 1873-5770)
71.	Bao M.X., Wang J., Ma Y.R., Zeng Y., Sun D.Y., Wu Y., Chen Z.G.	Properties improvement of soymilk by industrial-scale microfluidizer (JFOODENG-D-24-02144)	Journal of Food Engineering (ISSN 1873-5770)

72.	Yang Y., Gan D., Li X., Zhou J., Yang L., Dai B., Xia S.	In situ green immobilization of palladium I nanoparticles onto polydopamine-modified eggshell membrane for catalytic reduction of 4-nitrophenol (JWPE-D-23-05568)	Journal of Water Process Engineering (ISSN 2214-7144)
73.	Vasilieva S., Zaharevich A., Antipova C., Grigoriev T., Lukyanova A., Lobakova E., Solovchenko A.	Novel composites from chitosan and natural polysaccharide-containing waste for microalgae immobilization (JWPE-D-24-04419)	Journal of Water Process Engineering (ISSN 2214-7144)
74.	Nguyen V.D., Nguyen T.P., Vu A.T.	Chemical modification of lettuce leaves using NaOH and EDTA: A brilliant biosorbent for the adsorption of heavy metal ions from aqueous solution (JWPE-D-24-06845)	Journal of Water Process Engineering (ISSN 2214-7144)
75.	Autori necunoscuți pentru recenzor (procedură de recenzare în dublu orb)	A facile process for upcycling indium-gallium-zinc oxide scraps through electrolysis in aqueous solution (PSEP-D-24-04386)	Process Safety and Environmental Protection (ISSN 1744-3598)
76.	Waghmode M.S., Kardile A.V., Mene R.U., Abhyankar P.S., Rout S., Sahoo D.K., Patil N.N.	Biosorption of Acetaminophen by dead biomass of <i>Aspergillus niger</i> immobilised on luffa sponge (BCAB-D-24-04400)	Biomass Conversion and Biorefinery (ISSN 2190-6823)
77.	Autori necunoscuți pentru recenzor (procedură de recenzare în dublu orb)	An innovative approach to dye adsorption: Comparative study of iron impregnated waste human hair-based activated carbon (JEST-D-24-00956)	International Journal of Environmental Science and Technology (ISSN 1735-2630)
78.	Hao X., Liu P., Chu X.	Recent advances in in-situ immobilization of enzyme based on nanomaterials (Applied Sciences-2925726)	Applied Sciences (ISSN 2076-3417)
79.	Shopska V., Dzhivoderova-Zarcheva M., Kostov G.	Continuous main beer fermentation with yeast immobilized in alginate-chitosan microcapsules with a liquid core (Beverages-3161457)	Beverages (ISSN 2306-5710)
80.	Yi X., Miao S., Zang B., Li S., Lu Y.	Application of chitosan and its derivatives in the food field (Foods-2818593)	Foods (ISSN 2304-8158)
81.	Yan Z., Feng X., Li X., Gao Z., Wang Z., Ren G., Long F.	Sea buckthorn flavonoid extracted by high hydrostatic pressure inhibited IgE-stimulated mast cell activation through the MAPK Signaling Pathway (Foods-2837977)	Foods (ISSN 2304-8158)
82.	Olubia O., Anthonya O., Ntshilumbub S., Festerb V., Jideania V.	Physicochemical and functional properties of <i>Citrullus mucosospermus</i> , <i>Citroides</i> , and <i>Moringa oleifera</i> seeds hydrocolloid (Foods-2894393)	Foods (ISSN 2304-8158)
83.	Sun Q., Ma J., Basit R.A., Fu Z., Liu X., Fan G.	Screening of a <i>Saccharomyces cerevisiae</i> strain with high 3-methylthio-1-propanol yield and optimization of its fermentation conditions (Foods-2946777)	Foods (ISSN 2304-8158)
84.	Song Z., Fang J., Wang D., Tian Y., Xu Y., Wang Z., Geng J., Wang C.T., Li M.	Inhibition of LPS-induced skin inflammatory response and barrier damage via MAPK/NF-κB signaling pathway by <i>Houttuynia cordata</i> Thunb fermentation broth (Foods-2972010)	Foods (ISSN 2304-8158)
85.	Zheng Y., Zhang S., Yang L., Wei B., Guo Q.	Prevention of the quality degradation of Antarctic krill ( <i>Euphausia superba</i> ) meal through two-stage drying (Foods-2974036)	Foods (ISSN 2304-8158)
86.	Tyupova A., Harasym J.	Valorization of fruit and vegetables industry by-streams for 3D printing – a review (Foods-3035183)	Foods (ISSN 2304-8158)
87.	Lapčíková B., Lapčík L., Valenta T., Neuwirth V.	Chocolate ganaches: Application of natural substances in the light of new production trends (Foods-3104851)	Foods (ISSN 2304-8158)
88.	Ničetin M., Filipović J., Djalović I., Stanković D., Trivan G., Košutić M., Živančev D., Filipović V.	Quality optimization and evaluation of new cookie product with celery root powder addition (Foods-3145623)	Foods (ISSN 2304-8158)

89.	Hu L., Zhao P., Wei Y., Lei Y., Guo X., Deng X., Zhang J.	Preparation and characterization study of zein-sodium caseinate nanoparticle delivery systems loaded with allicin (Foods-3190245)	Foods (ISSN 2304-8158)
90.	Hirai A., Suzuki M., Sato K., Hoshi T., Aoyagi T.	Assessment of the Adsorption Capacity of Activated Carbon-2 Encapsulated Hollow-type Spherical Bacterial Cellulose Gels 3 for the Elimination of Uremic Toxins in a Simulated Human 4 Gastrointestinal Environment (Gels-3068598)	Gels (ISSN 2310-2861)
91.	Kim Y.Y., Bashir K.M.I., Kang S., Park Y., Sohn J.H., Choi J.S.	Development and quality enhancement of fried fish cake prototype with transglutaminase, trehalose, and herbal oil for room temperature distribution (Gels-3297534)	Gels (ISSN 2310-2861)
92.	Fang S., Zhong Y., Wu J., Xie Y., Cai L., Li M., Cao J., Zhao H., Dong B.	A comparative analysis of the water retention properties of hydrogels prepared from melon and orange peels in soils (Gels-3364800)	Gels (ISSN 2310-2861)
93.	Matskevich A.I., Maslov K.V., Prokudina V.A., Churakova D.D., Slabko O.Y., Patrushev D.K., Markin N.S., Tokar E.A.	Composite sorbents based on a chitosan polymer matrix and derivatives of 4-amino-N'-hydroxy-1,2,5-oxadiazole-3-carboximidamide for the uranium removal from liquid mineralized media (Gels-3379877)	Gels (ISSN 2310-2861)
94.	Roque M.I., Rocha V., Valente A.J.M., Domingues E., Martins R.C., Durães L.	Highly efficient aerogel adsorbent for cleaning process water effluents with high concentration of PFAS (Gels-3400161)	Gels (ISSN 2310-2861)
95.	Ospennikov A.S., Shibaev A.V., Philippova O.E.	Double photocrosslinked responsive hydrogels based on hydroxypropyl guar (IJMS-2748839)	International Journal of Molecular Sciences (ISSN 1422-0067)
96.	Abdelhamid H.N.	Nanocellulose-based materials for water pollutants removal: A review (IJMS-3128743)	International Journal of Molecular Sciences (ISSN 1422-0067)
97.	Majed M., Galala A.A., Amer M.M., Selmar D., Abouzeid S.	Oilseed cakes: A promising source of antioxidant, and anti-inflammatory agents—Insights from <i>Lactuca sativa</i> (IJMS-3231861)	International Journal of Molecular Sciences (ISSN 1422-0067)
98.	Kudłacik-Kramarczyk S., Drabczyk A., Przybyłowicz A., Kieres W., Krzan M.	Development and analysis of bilayer foamed oleogels stabilized with Ecogel™: Exploring the role of Tween 80 in modifying physicochemical properties (IJMS-3303334)	International Journal of Molecular Sciences (ISSN 1422-0067)
99.	Wang R., Liu H., Tang Z., Zhu H., Liu H., Guo R., Song Z., Xu H., Li B., Li G., Zhang Y.	Effect of traditional Chinese medicine extracts following ultra-filtration pretreatment on macroporous resin adsorption (Molecules-3221672)	Molecules (ISSN 1420-3049)
100.	Park J., Oh S.K., Doo M., Chung H.J., Park H.J., Chun H.	Effects of consuming heat-treated Dodamssal brown rice containing resistant starch on glucose metabolism in humans (Nutrients-2394267)	Nutrients (ISSN 2072-6643)
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102.	Nekvapil J., Sumczynski D., Salek R.N., Bučková M.	The effect of in vitro digestion on the releasing of organic acids and low molecular weight carbohydrates from matcha green tea leaves ( <i>Camellia sinensis</i> L.) (Nutrients-3319830)	Nutrients (ISSN 2072-6643)
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<b>SUCEVEANU Elena-Mirela – ICA (25 recenzii)</b>			
107.	Guimaraes, B.P., Schrickel, F., Rettberg, N., Pinson, S.R., McClung, A.M., Luthra, K., ... & Lafontaine, S.	Investigating the Malting Suitability and Brewing Quality of Different Rice Cultivars	Beverages ISSN: 2306-5710
108.	Liu, T., Cao, Q., Yang, F., Lu, J., Zeng, X., Li, J., ... & Liu, Y.	Multi-Omics Analysis of the Co-Regulation of Wood Alcohol Accumulation in Baijiu Fermentation	Fermentation ISSN: 2311-5637
109.	Guangyuan Jin, Sjoerd Boeschoten, Jos Hageman, Yang Zhu, René Wijffels, Arjen Rinzema and Yan Xu	Identifying influential variables during traditional food solid-state fermentation by statistical modeling	Foods ISSN: 2304-8158
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111.	Liu, L., Zhang, Y., Ge, W., Lin, Z., Sinnott-Armstrong, N., & Yang, L.	Revealing the 2300-Year-Old Fermented Beverage in a Bronze Bottle from Shaanxi, China	Fermentation ISSN: 2311-5637
112.	Du, M., Liu, Y., Cao, J., Li, X., Wang, N., He, Q., Dugarjaviin, M.	Food from Equids—Commercial Fermented Mare’s Milk (Koumiss) Products: Protective Effects against Alcohol Intoxication	Foods ISSN: 2304-8158
113.	Yuxin Zhao, Sifeng Zhang, Cunqiang Ma, Bingsong Ma, Huiling Mei, Benying Liu and Xinghui Li	Effects of Brewing Times on Sensory Quality, Infusion Color and Chemical Composition in Bingdao Ancient Tree Tea Infusion	Foods ISSN: 2304-8158
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116.	Fuentes-Espinosa, J. M., Muñoz-Castells, R., Moreno-García, J., García-Martínez, T., Mauricio, J. C., & Moreno, J.	Analytical Differentiation of Wines from Three Terroirs Located in a Warm Winegrowing Area Based on Their Volatilome	Molecules ISSN: 1420-3049
117.	Laura-Carmen Apostol, Ionuț Avrămia, Alexandru Pavăl	Quality control of the five most purchased varieties of mustard in the Romanian market	OVIDIUS UNIVERSITY ANNALS OF CHEMISTRY ISSN: 1583-2430

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121.	-	vol. 25 / 2024 al revistei: nr. 4/2024 - 3 recenzii	Scientific Study and Research – Chemistry and Chemical Engineering, Biotechnology, Food Industry (ISSN: 1582-540X, FI <sub>2023</sub> = 0,3)
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122.	Mariyana Perifanova-Nemska, Nikolaya Delinska, Ivanka Petrova, Vanya Gandova	Physical characteristics of soaps obtained with the participation of red hot pepper seed oil ( <i>Capsicum Annuum</i> L.)	Proceedings - 9 <sup>th</sup> International Conference on Energy Efficiency and Agricultural Engineering (EE&AE) Bulgaria
123.	Xi Bai, Heng Fan Gao, Xia Li, Yan Lu Li, Ming Zhu Lan, Lei Li, Zhi Deng Zhao, Zhi Biao Li, Jun Wang	The effect of different non-Saccharomyces strains on the flavor characteristics of mead	Acta Alimentaria (ISSN: 0139-3006, eISSN: 1588-2535)
124.	Leandro de León Guerra, Nayely Padilla Montaña and Laila Mujir	Interference of celastrol on cell wall synthesis and biofilm formation in <i>Staphylococcus epidermidis</i>	Antibiotics (ISSN 2079-6382)
125.	-	vol. 25 / 2024 al revistei: nr. 1/2024 - 4 recenzii	Scientific Study and Research – Chemistry and Chemical Engineering, Biotechnology, Food Industry (ISSN: 1582-540X, FI <sub>2023</sub> = 0,3)
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129.	Yue-Hu Wang	Naturally occurring polyhydroxylated spirostanol saponins, a review of the classification, sources, biosynthesis, biological activities, and toxicity  Manuscript Number: cbdv.202401720 Article Type: Review	Chemistry and Biodiversity (ISSN: 1612-1872, eISSN: 1612-1880) Publisher name: WILEY-VCH VERLAG GMBH

130.	Zatil Afrah Athaillah, Xueqi Li, Selina C. Wang	Analysis of juglone concentrations in walnut shells and woods  Manuscript ID: QAFA-2024-1195 Manuscript Type: Research Article	Cogent Food & Agriculture (ISSN: 2331-1932, eISSN: 2331-1932) Publisher name: TAYLOR & FRANCIS AS
131.	Yanyan Liu, Lu Chen, Guohui Shen, Yanting Gu, Yanzhi Guo, Juan Han	Altitude-driven variations in nutritional, bioactive, and mineral profiles of hawthorn ( <i>Crataegus</i> spp.)  Manuscript ID: foods-3371011 Manuscript Type: Article	Foods (eISSN: 2304-8158)
132.	Kanokthip Pongsiriyakul, Peerawat Wongsurakul, Worapon Kiatkittipong, Aerwadee Premashthira, Kulapa Kuldilok, Vesna Najdanovic-Visak, Sushil Adhikari, Patrick Cognet, Tetsuya Kida, Suttichai Assabumrungrat	Upcycling coffee waste: key industrial activities for advancing circular economy and overcoming commercialization challenges  Manuscript ID: processes-3342165 Manuscript Type: Review	Processes (eISSN: 2227-9717)
133.	Paneerselvam Gayathri, Jaganathan Divya, Inbasekaran Muthuvel, Perumal Mayavel, Veeramalai Usha, Selladurai Nalini, Venkatesan Manikandan, Rajasekaran Sundararajan, Ranganathan Arulkumaran, Saravanan Palanivel Sakthinathan, Ganesamoorthy Thirunarayanan	Bio-potent aryl ketoximes  Manuscript ID: OUAC-24-20 Manuscript Type: Article	Ovidius University Annals of Chemistry (ISSN: 1583-2430, eISSN: 2286-038X) Publisher name: OVIDIUS UNIV PRESS
134.	Laura-Carmen Apostol, Ionuț Avrămia, Alexandru Pavăl	Quality control of the five most purchased varieties of mustard in the Romanian market  Manuscript ID: OUAC-24-39 Manuscript Type: Article	Ovidius University Annals of Chemistry (ISSN: 1583-2430, eISSN: 2286-038X) Publisher name: OVIDIUS UNIV PRESS FI <sub>2023</sub> = 1,0 (Q4)
135.	Nikolaya Delinska, Mariyana Perifanova-Nemska, Eva Dimitrova	Chemical characteristics of soap with using hot pepper seeds oil ( <i>Capsicum annuum</i> L.)  EEAE2024 : Paper 54	Proceedings - 9 <sup>th</sup> International Conference on Energy Efficiency and Agricultural Engineering (EE&AE 2024) Bulgaria  Meeting: 9th International Conference on Energy Efficiency and Agricultural Engineering (EE and AE) Location: Ruse, BULGARIA Date: JUN 27-29, 2024 Sponsor: IEEE
136.		vol. 25 / 2024 al revistei: nr. 1/2024 - 4 recenzii	Scientific Study and Research – Chemistry and Chemical Engineering, Biotechnology, Food Industry (ISSN: 1582-540X, FI <sub>2023</sub> = 0,3)

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163.	Qian Shi, Wayne R. Simpson, Yuling Li, Chengti Xu, Kejia De, Xiuzhang Li	Epichloë bromicola Enhances Elymus dahuricus Plant Growth and Antioxidant Capacity under Cadmium Stress	Agronomy (ISSN 2073-4395) Manuscript ID: agronomy-2818328
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<b>ROSU Ana-Maria – 4 recenzii</b>			
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175.	Ester Scotto di Perta, Paola Giudicianni*, Antonio Mautone, Corinna Maria Grottola, Elena Cervelli, Raffaele Ragucci, Stefania Pindozi*	An effective biochar application for reducing nitrogen emissions from buffalo digestate storage tank	Applied Sciences 2024, 14, x. <a href="https://doi.org/10.3390/xxxxx">https://doi.org/10.3390/xxxxx</a>
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177.	Mariany Costa Deprá*, Rosangela Rodrigues Dias, Leila Queiroz Zepka, and Eduardo Jacob-Lopes*	Overcoming the Death-Valley of Microalgal Biotechnology: The Role of Photobioreactors to Advance at Technology Readiness Level	Processes 2024, 12, x. <a href="https://doi.org/10.3390/xxxxx">https://doi.org/10.3390/xxxxx</a>
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186.	Yanqin Wang , Yan Li , Li Yao , Longyun Fu , Zhaodong Liu	The Biogas Production Potential and Community Structure Characteristics of the Co-Digestion of Dairy Manure and Tomato Residues	Agronomy 2024, 14(5), 881
187.	Daniel Patón , García-Gómez José Carlos	Pre-composting of the invasive macrophyte <i>Rugulopteryx okamurae</i> - Terrestrial isopods to recycle their massive upwellings?	Recycling (ISSN 2313-4321)
188.	Nazir Ahmed, Lifang Deng, Chuan Wang, Zia-ul-Hassan Shah , Lansheng Deng , Yongquan Li , Juan Li , Sadaruddin Chachar , Zaid Chachar , Faisal Hayat , Bilquees Bozdar , Filza Ansari , Rashid Ali , Lin Gong , Panfeng Tu	Advancements in Biochar Modification for Enhanced Phosphorus Utilization in Agriculture	Land 2024, 13(5), 644

189.	Vinicius Guimarães Nasser , Willian Rodrigues Macedo , Frederico Garcia Pinto , Junio Henrique da Silva , Marcelo Coelho Sekita , Geraldo Humberto Silva	Plant Growth Regulator from the Essential Oil of <i>Syzygium aromaticum</i> L. for Inhibition of Secondary Growth of Garlic Cultivated under Tropical Conditions	AgriEngineering 2024, 6(2), 1511-1524
190.	Ronggang Zhai , Mengchen Shi , Panpan Chen , Yi Wang	Effects of prothioconazole stress on soybean plants: Analysis of the rhizosphere microbial community and enzyme activity	Agronomy (ISSN 2073-4395)
191.	Long Li , Rong Zheng , Zuhua Wang , Haibo Li , Yongjia Shi , Zhongjie Pan , Min Liu	Leaf Health Status Regulates Endophytic Microbial Community Structure, Network Complexity, and Assembly Processes in the Leaves of the Rare and Endangered Plant Species <i>Abies fanjingshanensis</i>	Microorganisms 2024, 12(7), 1254
192.	Xiaoyuan Cao , Bin Wang* , Litang Hu , Jin Wu , Dan Zhao , Yuanzheng Zhai , Kexue Han , Mingming Wang	Identification of Environmental Damage Process of a Chromium-contaminated Site in China	Water 2024, 16(11), 1578
193.	Yicheng Peng , Haoyu Qiu , Yuyang Qian , Jiaxin Chen , Guoyu Qin , Pengyao Li , Rongqian Zhang , Meichun Duan	The low congruence between plant and animal diversity in Field Ridges of Intensively Managed Paddy Landscapes, China	Plants 2024, 13(12), 1680
194.	Francisco Garibaldi-Márquez , Ernesto Martínez-Reyes , Cornelio Morales-Morales , Lenin Ramos-Cantú , Mirna Castro-Bello , Armida González-Lorence	Subsoiler tool with bio-inspired attack edge for reducing draft force on soil tillage	AgriEngineering 2024, 6(3), 2678-2693
195.	Tang Haiying , Zhou Junlin , Liu Ning , Huang Yao , Liu Qin , Yang Binjuan	Response of soil microbial community structure diversity to triple cropping system in paddy fields in the middle reaches of the Yangtze River	Plants (ISSN 2223-7747)
196.	Mao Huynh Nhu , Michael J Coleman , Le Thi Ha Lien , Le Thanh Sang , Paul Kristiansen	Farmer participation in diversified value chains: training, extension and support to facilitate sustainable rural land use transformation in the Vietnamese Mekong Delta	Land (ISSN 2073-445X)
197.	Harpreet Kaur , Kelly A. Nelson	Subsurface Drainage and Nitrogen Fertilizer Management Affects Fertilizer Fate in Claypan Soils	Sustainability 2024, 16(15), 6477
198.	Yanli Wang , Yiming Yang , Changyu Li , Yingxue Liu , Shutian Fan , Yiping Yan , Taiping Tian , Jiaqi Li , Yue Wang , Hongyan Qin , Baoxiang Zhang , Wenpeng Lu , Peilei Xu	Analysis of lignan content and rhizosphere microbial diversity of <i>schisandra chinensis</i> resources	Life 2024, 14(8), 946
199.	Xiaorong Mo , Qichun Huang , Chuanwu Chen , Hao Xia , Muhammad Riaz , Xiaomin Liang , Jinye Li , Yilin Chen , Qiling Tan , Songwei Wu , Chengxiao Hu	Characteristics of rhizosphere microbiome, soil chemical properties and plant biomass and nutrients in <i>Citrus reticulata</i> cv. Shatangju exposed to the increasing soil Cu levels	Plants 2024, 13(17), 2344
200.	Zhixuan Chen , Xia Xu , Yongli Wen , Man Cheng , Xiao Wang	The critical role of soil ecological stoichiometric ratios: How does reforestation improve soil nitrogen and phosphorus availability?	Plants 2024, 13(16), 2320
201.	Na Zhao , Yonggui Wang , Jun Yang , Ruikai Chen , Xiaoyu Wang , Yinqun Yang	Early Warning of Sudden Water Pollution Accident Risks Based on Water Quality Models in the Three Gorges Dam Area	Water 2024, 16(18), 2679

202.	Hojung Kim , Kyo-Moon Shim, Seung-Jae Lee	Adopting AHP for assessing land suitability for peach and grape in the Republic of Korea using soil and climate information	Atmosphere (ISSN 2073-4433)
203.	Naibo Xu , Tingyong Mao , Hengbin Zhang , Xingjun Huang , Yong Zhan, Jiahao Liu , Desheng Wang , Yunlong Zhai	Planting Density and Sowing Date strongly influence Canopy Characteristics and Grain Yield of Spring Soybean in Southern Xinjiang	Agriculture 2024, 14(11), 1892
204.	Saleh Alsinady , Abdulaziz B. Alharbi , Abdulrahman Alsoqur , Mohamed I. Motawei	Nutritional composition and productivity of Panicum maximum cv. "Mombasa" under different levels of nitrogen fertilization and water deficit	Life 2024, 14(12), 1614
205.	Sacha Delmotte, Caroline Brunel , Louise Castanier, Amélie Fevrier , Alain Brauman , Antoine Versini	Organic fertilization improves soil multifunctionality in sugarcane agroecosystems	Agronomy 2024, 14(11), 2475
206.	Shuai Kang , Tian-tian Zuo , De-Juan Kong , Yu-Guang Zheng, Hong-Yu Jin , Feng Wei , Shuang-Cheng Ma	Geographical origin differentiation of Cordyceps sinensis by elemental fingerprints and tiered cumulative risk assessment	Toxics (ISSN 2305-6304)
207.	Kunrun He , Yiran Lai , Shurui Hu , Meiyi Song , Ye Su , Chunyang Li, Xinle Wu , Chunyue Zhang , Yuanhang Hua , Jinyong Huang , Shujuan Guo, Yadong Xu	Assembly Characteristics and Influencing Factors of the Soil Microbial Community in the Typical Forest of Funiu Mountain	Microorganisms 2024, 12(11), 2355
208.	Qianqian Zhang , Haowen Luo , Pipeng Xing , Qichang Gu , Wentao Yi , Xianghai Yu , Changjian Zuo , Xiangru Tang	Responses of hybrid rice ( <i>Oryza sativa</i> L.) plants to different application modes of nanosized selenium	Plants 2024, 13(22), 3179
209.	Yi Li , Yuanyuan Guan , Zhengchu Jiang , Qiandan Xie , Qi Wang , Chenliang Yu, Weiwu Yu	Effects of Phosphate-Solubilizing Bacterial Inoculation on Soil Microbial Community and Metabolites in <i>Torreya grandis</i> Seedlings	Plants 2024, 13(22), 3209
210.	Hojung Kim , Kyo-Moon Shim, Seung-Jae Le	Adopting AHP for assessing land suitability for peaches ( <i>Prunus persica</i> ) and grapes ( <i>Vitis vinifera</i> L.) in the Republic of Korea using soil and climate information	Atmosphere (ISSN 2073-4433)
211.	Fernanda Guerreiro de Paula , Igor Domingos de Souza , Elaine Silva de Pádua Melo , Marta Aratuza Pereira Ancel , Diego Azevedo Zoccal Garcia , Danielle Bogo , Rita de Cássia Avellaneda Guimarães , Karine de Cássia Freitas , Rodrigo Juliano Oliveira , Gisele Melo Sanches , Priscila Aiko Hiane , Valter Aragão do Nascimento	Assessment of Metal(loid)s and Nonmetals Contamination in Soils of Urban Ecological Parks in Brazil: Implications for Ecological Risk and Human Health	Urban Science (ISSN 2413-8851)
212.	Nan Ma , LiangJie Sun, Yingde Xu , Jiayan Li , Pingluo Xue , Hongbo Yang , Ramona Mörchen, Jingkuan Wang	Soil fertility and maize residue quality all influenced the exogenous carbon sequestration only in short term in macroaggregate but not in microaggregate	Microorganisms (ISSN 2076-2607)

213.	Keru Yu , Zhenyu Wang , Wenyan Yang , Shuai Li , Dongtao Wu , Hongtao Zheng , Zhengqian Ye , Shaona Yang, Dan Liu	Application of Biochar-Immobilized Bacillus megaterium for Enhancing Phosphorus Uptake and Growth in Rice	Plants 2025, 14(2), 214
214.	Kwakhanya Gcaba, Mzuyanda Christian , Simon Letsoalo, Dhanya Jagadeesh	Growing Resilience: Assessing Factors influencing the Adoption of Tela Maize Seed Hybrids by Smallholder Farmers in Alfred Nzo District	Sustainability 2025, 17(3), 973
215.	Xiwu Zhou , Jingdong Liu * , Weifeng Rong , Benying Wu	Axial Crushing Theory and Optimization of Lattice-Filled Multicellular Square Tubes Manuscript ID materials-2832644	Materials (ISSN 1996-1944) Section - Metals and Alloys Special Issue - Applied Mechanics in Metallic Material Engineering
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241.	Recenzor: NEDEFF Valentin	<b>1 articol</b>	Scientific Study & Research - Chemistry & Chemical Engineering, Biotechnology, Food Industry, nr. 1
242.	Recenzor: NEDEFF Valentin	<b>1 articol</b>	Scientific Study & Research - Chemistry & Chemical Engineering, Biotechnology, Food Industry, nr. 1
243.	Recenzor: NEDEFF Valentin	<b>1 articol</b>	Scientific Study & Research - Chemistry & Chemical Engineering, Biotechnology, Food Industry, nr. 2
244.	Recenzor: NEDEFF Valentin	<b>1 articol</b>	Scientific Study & Research - Chemistry & Chemical Engineering, Biotechnology, Food Industry, nr. 2
245.	Recenzor: NEDEFF Valentin	<b>1 articol</b>	Scientific Study & Research - Chemistry & Chemical Engineering, Biotechnology, Food Industry, nr. 2

246.	Recenzor: NEDEFF Valentin	<b>1 articol</b>	Scientific Study & Research - Chemistry & Chemical Engineering, Biotechnology, Food Industry, nr. 3
247.	Recenzor: NEDEFF Valentin	<b>1 articol</b>	Scientific Study & Research - Chemistry & Chemical Engineering, Biotechnology, Food Industry, nr. 3
248.	Recenzor: NEDEFF Valentin	<b>1 articol</b>	Scientific Study & Research - Chemistry & Chemical Engineering, Biotechnology, Food Industry, nr. 3
249.	Recenzor: NEDEFF Valentin	<b>1 articol</b>	Scientific Study & Research - Chemistry & Chemical Engineering, Biotechnology, Food Industry, nr. 4
250.	Recenzor: NEDEFF Valentin	<b>1 articol</b>	Scientific Study & Research - Chemistry & Chemical Engineering, Biotechnology, Food Industry, nr. 4
251.	Recenzor: NEDEFF Valentin	<b>1 articol</b>	Scientific Study & Research - Chemistry & Chemical Engineering, Biotechnology, Food Industry, nr. 4
252.		RICE STRAW CO-DIGESTION POTENTIAL WITH COW DUNG AND POULTRY DROPPINGS FOR MAXIMIZING BIOGAS PRODUCTION IN BANGLADESH	HELIYON-D-24-07424
253.		Experimental investigation, Computer-Aided Process Simulation and Techno-economic Evaluation of Biogas Production from Cow Dung Substrate	HELIYON-D-24-64416
254.		Organic matter removal from swine wastewater in constructed wetland systems with vertical and horizontal flow with different configurations	Environmental Progress & Sustainable Energy
255.		The Future of Wastewater Treatment Plant: Integrating HCNN-BiGRU-A Model for Superior Performance	Environmental Progress & Sustainable Energy
256.		Characterization and utilization of industrial wastewater in biorefinery systems: A comprehensive approach	Environmental Progress & Sustainable Energy
257.		Research and application of neural network-based intelligent water-saving systems	Water and Environment Journal
258.		Biochar as a highly efficient adsorption carrier for sewage sludge-derived nutrients and biostimulants: component fixation and mechanism	Biochar BCHA-D-24-00626
259.		Investigating Critical Node Identification in Water Networks through Distance Laplacian Energy Centrality	Environmental science and pollution research international
260.	Raheleh Valizadeh Ardalan <sup>1</sup> , Mitra Mohammadi <sup>1</sup> , Mohammad Sadegh Bahadori <sup>2</sup> , Didem Saloglu <sup>3</sup>	NOISE POLLUTION, PRODUCTION SOURCES AND CLASSIFICATION OF STRATEGIES TO REDUCE AND CONTROL: A REVIEW	Environmental Engineering and Management Journal <a href="http://www.eemj.icpm.tuiasi.ro/">http://www.eemj.icpm.tuiasi.ro/</a>

261.	David Kairuz-Cabrera <sup>1</sup> , Victor Hernandez-Rodriguez <sup>1</sup> , Olivier Schalm <sup>2</sup> , Alain Martinez Laguardia <sup>1</sup> , Pedro Merino <sup>4</sup> Laso <sup>3</sup> , Daniellys Alejo <sup>1</sup>	Development of a unified IoT platform for assessing 2 meteorological and air quality data in a tropical environment <sup>3</sup>	Sensors 2024, 24, x. <a href="https://doi.org/10.3390/xxxxx">https://doi.org/10.3390/xxxxx</a> <a href="http://www.mdpi.com/journal/sensors">www.mdpi.com/journal/sensors</a>
262.	Armando Carteni <sup>1</sup> , Furio Cascetta <sup>2</sup> , Antonella Falanga <sup>2*</sup> and Mariarosaria Picone <sup>2</sup>	Rain-based Train Washing: A Sustainable Approach to reduce 2 PM Concentrations in Underground Environments <sup>3</sup>	Sustainability 2023, 15, x. <a href="https://doi.org/10.3390/xxxxx">https://doi.org/10.3390/xxxxx</a> <a href="http://www.mdpi.com/journal/sustainability">www.mdpi.com/journal/sustainability</a>
263.	Wencheng Yu <sup>1</sup> , Ji-Cheng Jang <sup>1</sup> , Yun Zhu <sup>1,*</sup> , Jianxin Peng <sup>2</sup> , Wenwei Yang <sup>3</sup> and Kunjie Li	Enhanced Estimation of Traffic Noise Levels Using Minute-2 Level Traffic Flow Data Through Convolutional Neural Net-3 work <sup>4</sup>	Sustainability 2024, 16, x. <a href="https://doi.org/10.3390/xxxxx">https://doi.org/10.3390/xxxxx</a> <a href="http://www.mdpi.com/journal/sustainability">www.mdpi.com/journal/sustainability</a>
<b>TOTAL = fracțiuni 345 recenzii</b>			

### 9. Articole publicate în reviste internaționale necotate ISI, dar indexate BDI

Nr. crt.	Autor(i)	Titlul articolului	Date identificare revistă	ISSN
1.	Grigoras, CC; Cosa, SM, Zichil, V	Integrating neural networks into sheet metal forming: a review of recent advances and applications	Journal of Engineering Studies and Research	2344-4932
2.	<b>Banu Ioan Viorel</b> , Barkat Fadila, Istrate Marcel, Guerrero Josep, Mihailov Nikolay, Evstatiev Boris Ivanov, Valov Nikolay, <b>Culea George, Puiu Petru-Gabriel</b>	Three-Phase Grid-Connected Electric Vehicles Charging Station with Photovoltaic Panels	2024 IEEE International Conference and Exposition on Electric and Power Engineering (EPEI), <a href="https://doi.org/10.1109/EPEI63510.2024.10758069">10.1109/EPEI63510.2024.10758069</a> IEEE, Scopus	979-8-3503-5619-9
3.	Enachi Andrei, <b>Turcu Cornel, Culea George</b>	Trends in the Detection and Interpretation of Human Movements and Mime-Gesture	2024 International Conference on Development and Application Systems (DAS 2024), <a href="https://doi.org/10.1109/DAS61944.2024.10541136">https://doi.org/10.1109/DAS61944.2024.10541136</a> IEEE, Scopus	979-8-3503-4929-0
4.	<b>Enachi Andrei</b> , Turcu Cornel, <b>Culea George, Sghera Bogdan Constantin, Ungureanu Andrei Gabriel</b>	Hands in Motion: Developing a Real-Time Gesture Recognition System for Enhanced Communication	2024 International Conference on Applied Mathematics & Computer Science (ICAMCS), <a href="https://doi.org/10.1109/ICAMCS62774.2024.00019">https://doi.org/10.1109/ICAMCS62774.2024.00019</a> IEEE, Scopus	979-8-3503-6380-7
5.	<b>Livinți Petru, Banu Ioan-Viorel, Culea George</b> , Bouderbala Manale, Btissam Majout, Alexandru Dusa	Wireless Control of a D.C. Motor Used for Driving a Conveyor Belt	2024 International Conference on Circuit, Systems and Communication (ICCSC), <a href="https://doi.org/10.1109/ICCSC62074.2024.10616669">https://doi.org/10.1109/ICCSC62074.2024.10616669</a> IEEE, Scopus	979-8-3503-6530-6
6.	<b>Andrei Zaharia, Valentin Nedeff</b> ,	Some practical approaches of the poultry slaughter wastewater treatment by apply	BIO Web of Conferences Open Access Volume 122, 2024 Art. No. 01022, 9th International Conference on Energy Efficiency	ISSN 2273-1709

	Nicoleta Frunza, <b>Florin Nedeff</b> , <b>Narcis Barsan</b> , <b>Dana Chitimus</b>	physico-chemical treatment	and Agricultural Engineering, EE and AE 2024, Ruse, 27-29 June 2024, Code 201121. DOI 10.1051/bioconf/202412201022	
7.	<b>Bibire, L.</b> , Vrabic, A., Gora, L., Mătă, L.	Stimulating Preschoolers' Creative Imagination through Hands-on Practice Activities	Journal of Innovation in Psychology, Education and Didactics, 28(1), 75-86.	ISSN 2247-4579
<b>TOTAL = fracțiuni: 7 articole (4,38 Facultatea de Inginerie)</b>				

#### 10. Lucrări publicate în volumele conferințelor internaționale, indexate ISI/ organizate de societăți profesionale internaționale (proceedings ISI)

Nr. crt.	Autor(i)	Titlul articolului	Date identificare revistă	ISSN
1.	Banu Ioan-Viorel, Grigore Roxana, Culea George, Vernica Sorin-Gabriel, Popa Sorin-Eugen	Modeling and Simulation of Three-Phase Grid-Connected Solid-Oxide Fuel Cell Systems	<i>Proceedings ISI</i> : Titlu proceedings: 2024 9 <sup>th</sup> International Conference on Energy Efficiency and Agricultural Engineering (EE&AE), <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:001298137300055">https://www.webofscience.com/wos/woscc/full-record/WOS:001298137300055</a>	979-8-3503-6939-7
2.	Petruț-Liviu Bogdan, Valentin Nedeff, Mirela Panainte-Lehaduș, Oana Irimia, Emilian Moșneguțu	Integrated Assessment of Groundwater Quality: A Case Study of the Roman City and its Northern Surroundings	2024 9th International Conference on Energy Efficiency and Agricultural Engineering, EE & AE 2024, WOS:001298137300016	ISBN 979-835036938-0
3.	Claudia Tomozei, Emilian Moșnegutu, Valentin Nedeff, Oana Irimia, Mirela Panainte-Lehadus, Florin Marian Nedeff, Dana Chitimus, Narcis Barsan	Study of the Noise Level in an Ice Cream Factory Working Environment	2024 9th International Conference on Energy Efficiency and Agricultural Engineering, EE & AE 2024, WOS:001298137300081	ISBN 979-835036938-0
4.	<b>Iosif Ioja, Valentin Nedeff, Maricel Agop, Florin Marian Nedeff, Claudia Tomozei</b>	Software uses in precision agriculture based on drone image processing—A review	2024, 9th International Conference on Energy Efficiency and Agricultural Engineering, EE & AE 2024, WOS:001298137300063	ISBN 979-835036938-0
<b>TOTAL = fracțiuni 4 articole (3,80 Facultatea de Inginerie)</b>				

#### 11. Articole publicate în alte reviste sau volume ale unor conferințe neindexate

Nr. crt.	Autor(i)	Titlul articolului	Date identificare revistă	ISSN
1.				
<b>TOTAL = fracțiuni</b>				

#### 12. Cărți /capitole publicate în edituri naționale / internaționale

Nr. crt.	Autor(i)	Titlul / carte sau capitol carte	Editură națională / internațională	Număr pagini	ISBN
1.	B.A. Chiriță, E. Herghelegiu, M.-C. Radu, N.-C. Tâmpu	Study of Quality Parameters for Abrasive Waterjet Cutting of Metals - capitol carte	Springer Nature Switzerland	36	978-3-031-48467-4

2.	<b>Drob, C., Puiu, PG., Topliceanu, L., s.a.</b> (18 autori din care 3 din Universitatea V. Alecsandri)	Towards circular economy in rural area: a cross-country study among regions of Romania, Italy, Greece and Spain	Editura Alma Mater, Bacău	271	978-606-527-722-9
3.	<b>Ioana Pleșcău</b>	Îndrumar de proiect la disciplina Antreprenoriat	Editura Alma Mater Bacău	70	978-606-527-727-4
4.	M. Agop, M. Barhalescu, R. Buga, C. Buzea, A. Cazac, L. Dobreci, B. Doroftei, L. Eva, R. Iancu, L. Ochiuz, T. Popa, <b>D.I. Rusu, I. Stirban</b>	Creierul și rețelele adversare generative: tipologii și implementări în creația digitală	Editura Ars Longa	348	978-973-148-462-4
5.	Rusu L., Suceveanu E-M.	Tehnologii de membrană. Considerații teoretice și aplicații	Editura Performantica, Iași	299	978-630-328-089-9
6.	Vernica Sorin-Gabriel	Mașini hidraulice	Alma Mater, Bacău	150	978-606-527-712-0
7.	Vernica Sorin-Gabriel	Eficiență energetică. Aplicații	Alma Mater, Bacău	100	978-606-527-715-1
8.	Vernica Sorin-Gabriel	Rețele electrice. Proiect	Alma Mater, Bacău	80	978-606-527-719-9
<b>TOTAL = fracțiuni 8 cărți/capitole (5,25 Facultatea de Inginerie) 1354 pagini</b>					

### 13. Brevete / Produse cu drept de proprietate intelectuală (naționale/internaționale)

Nr. crt.	Autor(i)	Titlul	Date de identificare brevet
1.	Zichil V., Stan Gh., Schnakovszky C., Nedeff V.	Braț robotic poliarticulat	133407 din 30.09.2024
<b>TOTAL = fracțiuni 1</b>			

### 14. Lucrări științifice prezentate la manifestări științifice internaționale / naționale (conferințe, sesiuni științifice)

Nr. crt.	Autor(i)	Titlul lucrării	Date identificare manifestare științifică
1.	Ionel Raveica, Ionel Olaru	Impact of digital technologies on students from industrial engineering domain	The 19 th International Conference of Constructive Design and Technological Optimization in Machine Building Field - OPROTEH 2024
2.	Ionel Olaru, Ionel Crinel Raveica	Study about Injection Molding Process Parameters for Plastic Shells and Design Analysis	ModTech 2024
3.	Ionel Olaru, Ionel Crinel Raveica	A Study of a Fluid Flow Simulation through a Jet Ejector System Used in Various Industrial Applications	The 19 th International Conference of Constructive Design and Technological Optimization in Machine Building Field - OPROTEH 2024
4.	Vlad-Andrei CIUBOTARIU, Cosmin C-tin. GRIGORAȘ	Design and Optimization of a Mechatronic Solar Energy Conversion System	The 19 th International Conference of Constructive Design and Technological Optimization in Machine Building Field - OPROTEH 2024
5.	Vlad-Andrei CIUBOTARIU, Cosmin C-tin. GRIGORAȘ, Pentru-Gabriel PUIU	Control of mechanical processes as a defining element in the field of mechatronics and machine learning	The 19 th International Conference of Constructive Design and Technological Optimization in Machine Building Field - OPROTEH 2024

6.	Vlad-Andrei CIUBOTARIU, Cosmin C-tin. GRIGORAȘ, Bogdan-Alexandru CHIRIȚĂ	Using 3D Printing in Manufacturing Specific Tools for Stretch Forming Processes	The 19 th International Conference of Constructive Design and Technological Optimization in Machine Building Field - OPROTEH 2024
7.	Vlad-Andrei CIUBOTARIU, Pentru-Gabriel PUIU, Cosmin C-tin. GRIGORAȘ	Adapting a RepRap Helios 3D Printer for SCARA Robot Functionality: A Repurposing Approach	The 19 th International Conference of Constructive Design and Technological Optimization in Machine Building Field - OPROTEH 2024
8.	Radu M.C., Chiriță B.A., Herghelegiu E., Tâmpu N.C.	A review of the strategies used to increase the accuracy of SPIFED parts	The 19 th International Conference of Constructive Design and Technological Optimization in Machine Building Field - OPROTEH 2024
9.	Radu P., Schnakovszky C., Tâmpu N.C., Herghelegiu E.	Specific issues when milling parts with low rigidity - a review	The 19 th International Conference of Constructive Design and Technological Optimization in Machine Building Field - OPROTEH 2024
10.	Herghelegiu E., Radu M.C., Schnakovszky C., Chiriță B.A., Tâmpu N.C., Niță B., Radu P.	Study of influence of the process parameters on the quality of abrasive waterjet machined surfaces	The 19 th International Conference of Constructive Design and Technological Optimization in Machine Building Field - OPROTEH 2024
11.	Ghiorghe O., Schnakovszky C.	Experimental study on the influence of process parameters on surface quality in EDM	The 19 th International Conference of Constructive Design and Technological Optimization in Machine Building Field - OPROTEH 2024
12.	Niță B., Schnakovszky C., Tâmpu R.I., Herghelegiu E., Radu M.C., Chiriță B.A., Radu P., Tâmpu N.C.	The importance of cryogenic assisted milling on surface quality of aerospace alloys	The 19 th International Conference of Constructive Design and Technological Optimization in Machine Building Field - OPROTEH 2024
13.	Niță B., Schnakovszky C., Tâmpu R.I., Herghelegiu E., Radu M.C., Chiriță B.A., Radu P., Tâmpu N.C.	Influence of temperature of the workpiece processed by milling on surface roughness	The 19 th International Conference of Constructive Design and Technological Optimization in Machine Building Field - OPROTEH 2024
14.	Tâmpu N.C., Herghelegiu E., Tâmpu R.I., Schnakovszky C., Radu M.C., Chiriță B.A., Radu P., Niță B.	Influence of machining parameters on particles emissions during electrical discharge machining	The 19 th International Conference of Constructive Design and Technological Optimization in Machine Building Field - OPROTEH 2024
15.	Tâmpu N.C., Chiriță B.A., Tâmpu R.I., Herghelegiu E., Niță B., Belloufi A., Abdelkrim M.	Influence of cutting parameters on residual stress distribution in surface layer	The 19 th International Conference of Constructive Design and Technological Optimization in Machine Building Field - OPROTEH 2024
16.	Chiriță B.A., Ghiorghe O.G., Radu M.C., Schnakovszky C., Tâmpu N.C., Niță B., Herghelegiu E.	Study of electrode wear in electrical discharge machining of steel alloys	The 19 th International Conference of Constructive Design and Technological Optimization in Machine Building Field - OPROTEH 2024
17.	Cot E.M., Chiriță B.A., Herghelegiu E., Radu M.C., Tâmpu N.C., Niță B.	Particularities of titanium alloys turning for aeronautics industry	The 19 th International Conference of Constructive Design and Technological Optimization in Machine Building Field - OPROTEH 2024
18.	Chirciu., Ciubotariu V.A., Grigoras C.C., Rosu A.M., Zichil V.	Deformation of materials in presence of different corrosive environments	The 19 th International Conference of Constructive Design and Technological Optimization in Machine Building Field, OPROTEH 2024, Bacău, May 22-24, 2024
19.	Grigoras C.C., Zichil V., Cosa S., Chirita B.	Finite element analysis of a metallic exoskeleton for stretch-forming. Integration with an existing hydraulic press	The 19 th International Conference of Constructive Design and Technological Optimization in Machine Building Field, OPROTEH 2024, Bacău, May 22-24, 2024

20.	Grigoras C.C., Zichil V., Cosa S., Ciubotariu V.A.	The role of mechatronics systems and AI in modern military applications	The 19 th International Conference of Constructive Design and Technological Optimization in Machine Building Field, OPROTEH 2024, Bacău, May 22-24, 2024
21.	Grigoras C.C., Zichil V., Cosa S.,	ML using multi-label image recognition in scratch detection on aluminium samples	The 19 th International Conference of Constructive Design and Technological Optimization in Machine Building Field, OPROTEH 2024, Bacău, May 22-24, 2024
22.	Grigoras C.C., Zichil V., Cosa S., Ciubotariu V.A.	Proportional control of an experimental stands in material strenght laboratories using a joystick	The 19 th International Conference of Constructive Design and Technological Optimization in Machine Building Field, OPROTEH 2024, Bacău, May 22-24, 2024
23.	Grigoras C.C., Plescau I., Zichil V., Drob C.	An in-depth analysis on the implications of AI on HR practicies	The 19 th International Conference of Constructive Design and Technological Optimization in Machine Building Field, OPROTEH 2024, Bacău, May 22-24, 2024
24.	Plescau I., Grigoras C.C., Zichil V., Drob C.	Artificial intelgence in banking: a new era of financial services	The 19 th International Conference of Constructive Design and Technological Optimization in Machine Building Field, OPROTEH 2024, Bacău, May 22-24, 2024
25.	Zichil V., Grigoras C.C., Drob C., Plescau I.	AI-support in organizational management	The 19 th International Conference of Constructive Design and Technological Optimization in Machine Building Field, OPROTEH 2024, Bacău, May 22-24, 2024
26.	Drob C., Zichil V., Grigoras C.C., Plescau I.	Exports and economic growth in Romania	The 19 th International Conference of Constructive Design and Technological Optimization in Machine Building Field, OPROTEH 2024, Bacău, May 22-24, 2024
27.	Drob C., Zichil V., Grigoras C.C., Plescau I.	Impact of foreign direct investment on economic growth in Romania	The 19 th International Conference of Constructive Design and Technological Optimization in Machine Building Field, OPROTEH 2024, Bacău, May 22-24, 2024
28.	Tampu C., Tampu R.I., Zichil V., Grigoras C.C., Plescau I., Drob C.	Enhancing Statistical control through artificial neural networks	The 19 th International Conference of Constructive Design and Technological Optimization in Machine Building Field, OPROTEH 2024, Bacău, May 22-24, 2024
29.	Plescau I., Drob C., Zichil V.	Firms performance in times of crisis: the effects of the financial crisis and the effects of the Covid-19 pandemic	The 19 th International Conference of Constructive Design and Technological Optimization in Machine Building Field, OPROTEH 2024, Bacău, May 22-24, 2024
30.	Plescau I., Drob C., Zichil V., Grigoras C.C.	What drives entrepreneurship? Determinants of the entrepreneurial incentives in Europe	The 19 th International Conference of Constructive Design and Technological Optimization in Machine Building Field, OPROTEH 2024, Bacău, May 22-24, 2024
31.	Rusu D.I.	Optical Properties of Thin Layers and Nanostructures with Zinc and Aluminium Oxides	The 19 th International Conference of Constructive Design and Technological Optimization in Machine Building Field, OPROTEH 2024, Bacău, May 22-24, 2024
32.	Catalin DROB, Valentin ZICHIL, Ioana PLESCAU	Overview about the most important theories/models of economic growth	9th International Management Conference, Rethinking Management in Adaptive Environments, 19-21 sept 2024, Technical University of Cluj-Napoca
33.	Căliman Radu, Olaru Ionel	Analysis of the Technology for Obtaining Composite Materials Reinforced with Carbon Fibers with Enhanced Physical and Mechanical Properties	The 7th International Conference on Mechanical Engineering and Applied Composite Materials (MEACM 2024), Singapore, 23-25 Sept. 2024

34.	Căliman Radu, Olaru Ionel	Research on Abrasive Wear Testing of Carbon Fiber Composites with Enhanced Physical and Mechanical Properties	The 7th International Conference on Mechanical Engineering and Applied Composite Materials (MEACM 2024), Singapore, 23-25 Sept. 2024
35.	Căliman Radu, Olaru Ionel	Features of the thermal and mass transfer process present in the paper drying process	The 19 th International Conference of Constructive Design and Technological Optimization in Machine Building Field, OPROTEH 2024, Bacău, May 22-24, 2024
36.	Căliman Radu, Olaru Ionel	Possibilities of heat recovery from the steam-hot air mixture evacuated from the drying side of a paper machine	The 19 th International Conference of Constructive Design and Technological Optimization in Machine Building Field, OPROTEH 2024, Bacău, May 22-24, 2024
37.	Mirilă D.-C., Vartolomei N., Roșu A.-M., Panainte-Lehăduș M., Georgescu A.-M., Nedeff F.-M., Nistor I.-D.	Novel inhibitor and catalyst silver nanoparticles on natural clay targeting ISO SS bacteria from sewage sludge and malachite green dye oxidation	EURO Politehnicus - International Innovation & Invention Show, Universitatea Națională de Știință și Tehnologie Politehnica București, în perioada 22-24 noiembrie 2024, <a href="https://politehnicus.upb.ro/">https://politehnicus.upb.ro/</a>
38.	Mirilă D.-C., Hortolomeu A., Vartolomei N., Roșu A.-M., Georgescu A.-M., Nedeff F.-M., Aruș V.-A., Platon N., Muntianu G., Panainte-Lehăduș M., Nistor I.-D.	Innovative retention of phthalates in wine using newly developed nanomaterials	EURO Politehnicus - International Innovation & Invention Show, Universitatea Națională de Știință și Tehnologie Politehnica București, 22-24 noiembrie 2024, <a href="https://politehnicus.upb.ro/">https://politehnicus.upb.ro/</a>
39.	<b>Mirila D.-C., Rosu A.-M., Georgescu A.-M., Nedeff F.-M., Jinescu C., Nistor I.-D.</b>	Eco-friendly silver-modified clay: Combating ISO SS bacteria and enhancing Malachite Green dye oxidation	International Conference Applications of Chemistry in Nanosciences and Biomaterials Engineering - NanoBioMat 2024, București, 27–29 November 2024, <a href="https://nanobiomat.eu/">https://nanobiomat.eu/</a>
40.	<b>Alexa I.-C., Nicuță D., Grosu L., Fînaru A.-L.</b>	Black and red currant pomace extracts –characterization and biosafety assessment using sustainable methods	International Conference “Modern Technologies in Food Industry - 2024” (MTFI-2024), 17-18 October 2024, Chișinău (Republic of Moldova), online, <a href="https://mtfi.utm.md/">https://mtfi.utm.md/</a> , poster
41.	Patriciu O.-I., Grosu L., Alexa I.-C., Fînaru A.-L.	Influence of brewing time on physicochemical and sensorial properties of some Romanian red fruits tea infusions	International Conference “Modern Technologies in Food Industry - 2024” (MTFI-2024), 17-18 October 2024, Chișinău (Republic of Moldova), online, <a href="https://mtfi.utm.md/">https://mtfi.utm.md/</a> , poster
42.	Diaconescu (Doroftei) R.F., Mirila D.-C., Georgescu A.-M., Rosu A.-M., Nistor I.-D.	Studies on the use of clay-based nanomaterials in the processes of contaminated environments neutralization with pollutants, from military industry	International Conference “Modern Technologies in Food Industry - 2024” (MTFI-2024), 17-18 October 2024, Chișinău (Republic of Moldova), online, <a href="https://mtfi.utm.md/">https://mtfi.utm.md/</a>
43.	<b>Bran E.P., Nicuță D., Grosu L., Alexa I.-C., Fînaru A.-L.</b>	Regional food by-products and waste as a potential source of bioactive compounds - <i>in vivo</i> and <i>in vitro</i> evaluation	Conferința Națională de Chimie 2024 (CNCHIM – 2024), ediția XXXVII / National Conference of Chemistry, XXXVII Edition, CNCHIM – 2024, 25-27 septembrie 2024, Târgoviște (România), <a href="https://www.icstm.ro/cnchim-2024/">https://www.icstm.ro/cnchim-2024/</a> , poster

44.	Sandu-Bălan (Tăbăcariu) A., Patriciu O.-I., Ștefănescu I.-A., Ifrim I.-L., Finaru A.-L.	<i>Sambucus nigra</i> L.: a source of bioactive compounds with antifungal effects	Conferința Națională de Chimie 2024 (CNCHIM – 2024), ediția XXXVII / National Conference of Chemistry, XXXVII Edition, CNCHIM – 2024, 25-27 septembrie 2024, Târgoviște (România), <a href="https://www.icstm.ro/cnchim-2024/">https://www.icstm.ro/cnchim-2024/</a> , poster
45.	Suceveanu E.-M., Ifrim I.-L.	Strategies to improve melomel production	Conferința Națională de Chimie 2024 (CNCHIM – 2024), ediția XXXVII / National Conference of Chemistry, XXXVII Edition, CNCHIM – 2024, 25-27 septembrie 2024, Târgoviște (România), <a href="https://www.icstm.ro/cnchim-2024/">https://www.icstm.ro/cnchim-2024/</a>
46.	Nistor I.-D., Mirilă D.-C., Sturza R, Riviș A., Mares M.-A., Jinescu C.	Research on the retention of some pollutants from wine using unconventional materials	A 19-a ediție a Conferinței internaționale “Zilele Academiei de Științe Tehnice din România” – Z ASTR 2024 – Dezvoltarea societății în armonie cu Natura, 19-20 septembrie 2024, Craiova
47.	Cojocari D., Sturza R., Balan G., Ghendov-Moșanu A., Aruș A., Nistor I.-D.	The impact of the carotenoid complex of berry powders on the accidental pathogenic microbiota in food	A 19-a ediție a Conferinței internaționale “Zilele Academiei de Științe Tehnice din România” – Z ASTR 2024 – Dezvoltarea societății în armonie cu Natura, 19-20 septembrie 2024, Craiova
48.	Sturza R., Scutaru I., Covaci E., Hortolomeu A., Mirila D.-C., Nistor I.-D.	Influence of winemaking applied technology on the aroma wine profile	A 19-a ediție a Conferinței internaționale “Zilele Academiei de Științe Tehnice din România” – Z ASTR 2024 – Dezvoltarea societății în armonie cu Natura, 19-20 septembrie 2024, Craiova
49.	Arus V.-A., Georgescu A.-M., Roșu A.-M., Platon N., Muntianu G., Pârvulescu O.-C., Nistor I.D.	Enriching the nutritional value of white wheat bread with buckwheat flour	23 <sup>rd</sup> Romanian International Conference on Chemistry and Chemical Engineering, Constanța – RICCE 23, September 4 – 7, 2024, Mamaia (Romania), <a href="https://ricce.chimie.upb.ro/">https://ricce.chimie.upb.ro/</a>
50.	Arus V.-A., Vartolomei N., Tanasa S., Teușdea A.C., Georgescu A.-M., Platon N., Roșu A.-M., Nistor I.-D.	White wheat bread with addition of buckwheat flour	The 28th International Exhibition of Inventions “INVENTICA 2024”, Iasi (Romania), 3-5 July 2024, <a href="https://ini.tuiasi.ro/conference/">https://ini.tuiasi.ro/conference/</a>
51.	Vartolomei N., Tănasă S., Arus V.A.	The influence of rosehip powder addition on yogurt quality	“Traian Vuia” International Exhibition of Inventions and Innovations Timisoara, 10 <sup>th</sup> edition, Timisoara (Romania), 13 -15 June 2024, <a href="https://www.usab-tm.ro/en/salonul-international-de-inventii-si-inovatii-traian-vuia">https://www.usab-tm.ro/en/salonul-international-de-inventii-si-inovatii-traian-vuia</a>
52.	Vartolomei N., Tanasa S., Teusdea A.C., Nistor I.D., Arus V.A., Turtoi M.	Colorimetry and image analysis of muffins with rosehip powder addition	EUROINVENT - European Exhibition of Creativity and Innovation, 16 Edition, 2024, Iasi (Romania), 6-8 June 2024, <a href="https://www.euroinvent.org/">https://www.euroinvent.org/</a>
53.	Alexa I.-C., Grosu L., Nicuță D., Patriciu O.-I., Finaru A.-L.	Research on the valorization of agro-food by-products and waste	Researcher Meetings 5 <sup>th</sup> Global Virtual Summit on Chemistry & Pharmaceutical Chemistry, London, United Kingdom, 25-26 mai 2024, <a href="https://chemistry.researchermeetings.com/">https://chemistry.researchermeetings.com/</a> , online, poster

54.	Vladei N., Covaci E., Stratan A., <b>Nistor I.-D.</b> , Sturza R.	Correlation between the microbiological stability of wine and the forms of sulfur dioxide	19 <sup>th</sup> International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2024, 22-24 mai 2024, Bacău (România), <a href="https://oproteh.ub.ro/">https://oproteh.ub.ro/</a>
55.	Hortolomeu A., Mirilă D.-C., Georgescu A.-M., Nistor D.-I.	Determination of protein and polyphenol content of white wines treated with porous materials	19 <sup>th</sup> International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2024, 22-24 mai 2024, Bacău (România), <a href="https://oproteh.ub.ro/">https://oproteh.ub.ro/</a>
56.	Diaconescu (Doroftei) R.-F., Mirilă D.-C., Georgescu A.-M., Roșu A.-M., Nistor I.-D.	Retention of 2,4,6 - trinitrotoluene widely used in the military industry on pillared clays	19 <sup>th</sup> International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2024, 22-24 mai 2024, Bacău (România), <a href="https://oproteh.ub.ro/">https://oproteh.ub.ro/</a>
57.	<b>Secara (Musca) A., Platon N., Muntianu G., Georgescu A.-M., Rosu A.-M., Mirila D.C., Arus V.-A., Ureche C., Voicu R.E., Nistor I.-D.</b>	The influence of some vegetable additions on the quality of organic hens eggs	19 <sup>th</sup> International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2024, 22-24 mai 2024, Bacău (România), <a href="https://oproteh.ub.ro/">https://oproteh.ub.ro/</a>
58.	<b>Anasie R.C., Platon N., Muntianu G., Georgescu A.-M., Rosu A.-M., Mirila D.C., Arus V.-A., Ureche D., Nistor I.-D.</b>	Clay based materials for ammonia removal from poultry farms	19 <sup>th</sup> International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2024, 22-24 mai 2024, Bacău (România), <a href="https://oproteh.ub.ro/">https://oproteh.ub.ro/</a>
59.	<b>Mirila D.C., Diaconescu (Doroftei) R.-F., Rosu A.-M., Nistor I.-D., Ureche D.</b>	Comparative study between clay-based adsorbent/catalyst material and biological materials derived from <i>Cyprinus carpio</i>	19 <sup>th</sup> International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2024, 22-24 mai 2024, Bacău (România), <a href="https://oproteh.ub.ro/">https://oproteh.ub.ro/</a>
60.	<b>Muntianu G., Georgescu A.-M., Nistor I.-D., Jinescu G.</b>	Dynamic parameters determination in binary fluidized bed of bentonite particles	19 <sup>th</sup> International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2024, 22-24 mai 2024, Bacău (România), <a href="https://oproteh.ub.ro/">https://oproteh.ub.ro/</a>
61.	<b>Georgescu A.-M., Răducanu D., Ungureanu C.V., Platon N., Aruş V.-A., Roșu A.M., Muntianu G., Nistor I.-D.</b>	Growth dynamics of yeasts on different nutritional substrates	19 <sup>th</sup> International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2024, 22-24 mai 2024, Bacău (România), <a href="https://oproteh.ub.ro/">https://oproteh.ub.ro/</a>
62.	Barticel M., Hancu C., Raducanu D., <b>Georgescu A.M., Chitimus D.</b>	Studies regarding the exploitation of <i>Aronia melanocarpa</i> species, in ecological agricultural holdings	19 <sup>th</sup> International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2024, 22-24 mai 2024, Bacău (România), <a href="https://oproteh.ub.ro/">https://oproteh.ub.ro/</a>
63.	Iosub A.G., Stoica I.V., Maftai D., <b>Georgescu A. M.</b> , Ungureanu C., Raducanu D.	Long range transport analysis based on eastern atmospheric circulation and its impact to the dust event over ecotoxicity assessment of some biofertilizers used in organic farming by test organisms	19 <sup>th</sup> International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2024, 22-24 mai 2024, Bacău (România), <a href="https://oproteh.ub.ro/">https://oproteh.ub.ro/</a>

64.	Vartolomei N., Tănasă S., Teusdea A.C., <b>Nistor I.-D.</b> , Arus V.-A., Turtoi M.	The physico-chemical and sensory characteristics of muffins with rosehip powder addition	19 <sup>th</sup> International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2024, 22-24 mai 2024, Bacău (România), <a href="https://oproteh.ub.ro/">https://oproteh.ub.ro/</a>
65.	Arus V.-A., Rosu A.-M., Plescau I., Platon N., Georgescu A.-M., Muntianu G., Nistor I.-D.	Potential of nettle ( <i>Urtica dioica</i> L.) as byproduct with multiple uses	19 <sup>th</sup> International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2024, 22-24 mai 2024, Bacău (România), <a href="https://oproteh.ub.ro/">https://oproteh.ub.ro/</a>
66.	<b>Rusu L.*</b> , <b>Suceveanu E.-M.</b> , <b>Nedeff F.M.</b> , Niță N.T., Harja M., Favier L.	Latest advances in sawdust-biomass based materials for persistent organic pollutants removal from aqueous matrices	19 <sup>th</sup> International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2024, 22-24 mai 2024, Bacău (România), <a href="https://oproteh.ub.ro/">https://oproteh.ub.ro/</a>
67.	Droniuc (Hultuana) E., Tataru Farmus R., Favier L., <b>Rusu L.</b> , Harja M.	Investigation into CO <sub>2</sub> chemisorption in potassium carbonate solution enhanced with various amines	19 <sup>th</sup> International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2024, 22-24 mai 2024, Bacău (România), <a href="https://oproteh.ub.ro/">https://oproteh.ub.ro/</a>
68.	Niță N.-T., Ursu A.-V., Fontanille P., Guez S., <b>Rusu L.</b> , Vial Ch.	Purification of anaerobic digestate from anaerobic fermentation of food wastes by electrocoagulation	19 <sup>th</sup> International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2024, 22-24 mai 2024, Bacău (România), <a href="https://oproteh.ub.ro/">https://oproteh.ub.ro/</a>
69.	Suteu D., Blaga A., <b>Rusu L.</b> , Tanase A.	Biosorbent based on residual biomass of <i>Saccharomyces Pastorianus</i> used in Orange 16 retained in dynamic process	19 <sup>th</sup> International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2024, 22-24 mai 2024, Bacău (România), <a href="https://oproteh.ub.ro/">https://oproteh.ub.ro/</a>
70.	Niță N.-T., <b>Suceveanu E.-M.</b> , <b>Nedeff F.M.</b> , Șuteu D., Vial Ch., Favier L., <b>Rusu L.*</b> .	Eco-friendly biosorbent for the sustainable removal of antimicrobial pharmaceutical compounds from aqueous solutions	19 <sup>th</sup> International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2024, 22-24 mai 2024, Bacău (România), <a href="https://oproteh.ub.ro/">https://oproteh.ub.ro/</a>
71.	Păcală M.L., Favier L., <b>Grigoraș C.G.</b> , <b>Simion A.I.</b> , Brudiu L.	The significant use of millet to develop nutritional value cereal-based products	19 <sup>th</sup> International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2024, 22-24 mai 2024, Bacău (România), <a href="https://oproteh.ub.ro/">https://oproteh.ub.ro/</a>
72.	<b>Simion A.I.</b> , Favier L., <b>Grigoraș C.G.</b>	Thermophysical properties mathematical modelling of ethylene glycol – water binary systems	19 <sup>th</sup> International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2024, 22-24 mai 2024, Bacău (România), <a href="https://oproteh.ub.ro/">https://oproteh.ub.ro/</a>
73.	Sescu A.M, Favier L., Lutic D., Hanganu D., <b>Simion A.I.</b> , <b>Grigoraș C.G.</b> , <b>Rusu L.</b> , Harja M.	UV-A Sensitive mesoporous catalysts toward clofibrac acid photo-oxidation: synthesis, characterization and performance evaluation	19 <sup>th</sup> International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2024, 22-24 mai 2024, Bacău (România), <a href="https://oproteh.ub.ro/">https://oproteh.ub.ro/</a>

74.	Suceveanu E.-M., Ifrim I.-L.	Fruit and flower meads: obtaining, physicochemical and sensory characteristics	19 <sup>th</sup> International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2024, 22-24 mai 2024, Bacău (România), <a href="https://oproteh.ub.ro/">https://oproteh.ub.ro/</a>
75.	Păcală M.L., Favier L., Sipoș A., <b>Simion A.I., Grigoraș C.G.</b> , Brudiu L	Exploring bread production with functional ingredients, approach on brewer's spent grain	19 <sup>th</sup> International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2024, 22-24 mai 2024, Bacău (România), <a href="https://oproteh.ub.ro/">https://oproteh.ub.ro/</a>
76.	Sandu-Bălan (Tăbăcariu) A., Patriciu O.-I., Ștefănescu I.-A., Ifrim I.-L., Fînaru A.-L.	Antifungal activity and phytochemical analysis of walnut ( <i>Juglans regia</i> ) extracts	19 <sup>th</sup> International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2024, 22-24 mai 2024, Bacău (România), <a href="http://oproteh.ub.ro/">http://oproteh.ub.ro/</a> , poster
77.	Grosu L., Patriciu O.-I., Alexa I.-C., Fînaru A.-L.	Physico-chemical, phytochemical and sensorial analyses of some romanian red fruits tea infusions	19 <sup>th</sup> International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2024, 22-24 mai 2024, Bacău (România), Section Chemical&Food Engineering, <a href="https://oproteh.ub.ro/">https://oproteh.ub.ro/</a> , poster
78.	Alexa I.-C., Grosu L., Patriciu O.-I., Fînaru A.-L.	Approaches on the sustainable valorization of agro-food by-products and waste	19 <sup>th</sup> International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2024, 22-24 mai 2024, Bacău (România), Section Chemical&Food Engineering, <a href="https://oproteh.ub.ro/">https://oproteh.ub.ro/</a> , comunicare orală
79.	Nicuță D., Grosu L., Alexa I.-C.	Taurine and energetic beverages - <i>in vivo</i> evaluation of the potential cytotoxic and genotoxic	19 <sup>th</sup> International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2024, 22-24 mai 2024, Bacău (Romania), Section Chemical&Food Engineering, <a href="https://oproteh.ub.ro/">https://oproteh.ub.ro/</a> , poster
80.	Platon N., Aruș V.A., Georgescu A.-M., Rosu A.-M., Muntianu G., Nistor D.	The behavior of bread with the addition of coconut shells activated carbon	19 <sup>th</sup> International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2024, 22-24 mai 2024, Bacău (România), <a href="http://oproteh.ub.ro/">http://oproteh.ub.ro/</a>
81.	Ștefănescu I.-A.	The metabolic behavior of vitamin C in legumes from conventional and organic agriculture	19 <sup>th</sup> International Conference of Constructive Design and Technological Optimization in Machine Building – OPROTEH 2024, 22-24 mai 2024, Bacău (România), <a href="http://oproteh.ub.ro/">http://oproteh.ub.ro/</a> , poster
82.	Niță N. T., Suceveanu E.M., Nedeff F.M., Rusu L.	Kinetic studies of Ethacridine lactate biosorbition from aqueous solutions using <i>Lactococcus Lactis</i> /calcium alginate system as biosorbent	Doctoral Studies School Days “INNOVATION AND DOCTORAL RESEARCH” at “Vasile Alecsandri” University of Bacau, 20-25 mai 2024, Bacău (România), <a href="https://www.ub.ro/call-for-papers">https://www.ub.ro/call-for-papers</a>
83.	<b>Bran E.P., Alexa I.-C., Suceveanu E.-M., Nicuță D., Fînaru A.-L.</b>	Fertilizing potential of food by-products and waste – <i>in vivo</i> investigation	Doctoral Studies School Days “INNOVATION AND DOCTORAL RESEARCH” at “Vasile Alecsandri” University of Bacau, 20-25 mai 2024, Bacău (România), <a href="https://www.ub.ro/call-for-papers">https://www.ub.ro/call-for-papers</a> , poster

84.	Sandu-Bălan (Tăbăcariu) A., Patriciu O.-I., Ștefănescu I.-A., Ifrim I.-L., Fînaru A.-L.	Study of the stability of walnut by-products and elderberry extracts - sustainable alternatives	Doctoral Studies School Days "INNOVATION AND DOCTORAL RESEARCH" at "Vasile Alecsandri" University of Bacau, 20-25 mai 2024, Bacău (România), <a href="https://www.ub.ro/call-for-papers">https://www.ub.ro/call-for-papers</a> , comunicare orală
85.	Nita N.-T., Ursu A.-V., Fontanille P., Guez J.-S., Brun F., Rusu L., Vial Ch.	Electrocoagulation for sustainable circular economy: Purification of volatile fatty acids from real fermented food waste	Euro-Mediterranean Conference for Environmental Integration (EMCEI-24), Conference center of Cadi Ayyad University in Marrakech, Morocco, 15 - 18 May 2024, <a href="http://www.2024.emcei.net">www.2024.emcei.net</a>
86.	Bran E.P., Nicuță D., Grosu L., Alexa I.-C., Fînaru A.-L.	<i>In vivo</i> and <i>in vitro</i> investigation on valorization of food by-products and waste	7 <sup>th</sup> International Conference of the Doctoral School (CSD 2024) at the "Gheorghe Asachi" Technical University of Iasi (TUIASI), Romania, Iași, 15-17 mai 2024 (online), <a href="https://conferinta-csd.tuiasi.ro/">https://conferinta-csd.tuiasi.ro/</a> , comunicare orală
87.	Sandu-Bălan (Tăbăcariu) A., Patriciu O.-I., Ștefănescu I.-A., Ifrim I.-L., Fînaru A.-L.	Antifungal activity of extracts from <i>Sambucus nigra</i> and <i>Juglans regia</i> by-products	7 <sup>th</sup> International Conference of the Doctoral School (CSD 2024) at the "Gheorghe Asachi" Technical University of Iasi (TUIASI), Romania, Iași, 15-17 mai 2024 (online), <a href="https://conferinta-csd.tuiasi.ro/">https://conferinta-csd.tuiasi.ro/</a> , comunicare orală
88.	Grigoraș C.G., Simion A.I., Favier L.	Development of a novel two-components material and its application as efficient dyes adsorbent	International Chemical Engineering and Material Symposium, SICHEM 2024, 11-12 April 2024, Bucharest, Romania, <a href="https://www.schr.ro/noutati/2024/">https://www.schr.ro/noutati/2024/</a>
89.	Roșu A.-M., Aruș V.-A., Platon N., Georgescu A.-M., Muntianu G., Nistor I.D., Părvulescu O.-C.	Extraction of bioactive compounds from wild garlic ( <i>Allium ursinum</i> L.)	International Chemical Engineering and Material Symposium, SICHEM 2024, 11-12 April 2024, Bucharest, Romania, <a href="https://www.schr.ro/noutati/2024/">https://www.schr.ro/noutati/2024/</a>
90.	I.V. Banu, Fadila Barkat, Marcel Istrate, J.M. Guerrero, G. Culea, R.M. Grigore, D.A. Andrioaia, J.G. Motas	Study on incremental conductance maximum power point tracking method for photovoltaic systems under partial shading	OPROTEH 2024, <a href="http://oproteh.ub.ro/">http://oproteh.ub.ro/</a>
91.	A. Enachi, Cornel Turcu, G. Culea	Detection of mimic-gesture movements using the romanian sign language system	OPROTEH 2024, <a href="http://oproteh.ub.ro/">http://oproteh.ub.ro/</a>
92.	Culea George, Mocanu Florin	Studies on the autonomous flight control of quadcopter drones	OPROTEH 2024, <a href="http://oproteh.ub.ro/">http://oproteh.ub.ro/</a>
93.	Sghera Bogdan Constantin	Advancements in human activity recognition: a technical review of sensor and vision-based approaches	OPROTEH 2024, <a href="http://oproteh.ub.ro/">http://oproteh.ub.ro/</a>
94.	Popa Sorin-Eugen, Puiu Petru Gabriel	Analysis of the possibility of using pattern recognition applications to determine the time of occurrence of defects in electrical equipment	OPROTEH 2024, <a href="http://oproteh.ub.ro/">http://oproteh.ub.ro/</a>
95.	Puiu Petru Gabriel, Istok Robert, Popa Sorin Eugen, Palaghita Luminița, Vrînceanu Paula Greta	The study of evolution of energy consumption per capita and by source category in romania and hungary compared to the european one	OPROTEH 2024, <a href="http://oproteh.ub.ro/">http://oproteh.ub.ro/</a>
96.	Ungureau Andrei Gabriel	Unveiling the power of named entity recognition (ner) in natural language processing	OPROTEH 2024, <a href="http://oproteh.ub.ro/">http://oproteh.ub.ro/</a>
97.	Dragoș Alexandru Andrioaia, Pîslaru Robert-Marian	Prediction of the remaining useful life of li-ion batteries of electric scooters	OPROTEH 2024, <a href="http://oproteh.ub.ro/">http://oproteh.ub.ro/</a>
98.	Grigore R.-M., Capăt C., Dima C.	Utilizing hybrid photovoltaic-thermal panels for electricity and heat in residential nearly zero energy buildings	OPROTEH 2024, <a href="http://oproteh.ub.ro/">http://oproteh.ub.ro/</a>

99.	<b>Grigore R.-M., Vernica S.-G., Banu I.V., Popa S.E., Cautiș C.</b>	Practical considerations for using hybrid photovoltaic-thermal panels in electricity and heat production	OPROTEH 2024, <a href="http://oproteh.ub.ro/">http://oproteh.ub.ro/</a>
100	Pruteanu E., Puiu P.G., Popa S.E.	Utilizing artificial intelligence, virtual/augmented reality, and a fuzzy expert system for personalized therapies in modern education of patients with special needs	OPROTEH 2024, <a href="http://oproteh.ub.ro/">http://oproteh.ub.ro/</a>
101	Ungureanu Andrei Gabriel	Advancements in neural machine translation algorithms: a focus on romanian translation	OPROTEH 2024, <a href="http://oproteh.ub.ro/">http://oproteh.ub.ro/</a>
102	Pruteanu E., Puiu P.G., Popa S.E.	Advanced technologies in the processing, analysis, distributed processing, and fuzzy querying of data from wireless sensor networks (wsn)	OPROTEH 2024, <a href="http://oproteh.ub.ro/">http://oproteh.ub.ro/</a>
103	<b>Vernica Sorin-Gabriel, Grigore R.-M., Păduraru S.</b>	Determination of energy losses through the corona effect on a 400 kv lea	OPROTEH 2024, <a href="http://oproteh.ub.ro/">http://oproteh.ub.ro/</a>
104	<b>Hazi A., Hazi Gh.,</b> Bulai I.D.	Increasing the energy efficiency of a substation	OPROTEH 2024, <a href="http://oproteh.ub.ro/">http://oproteh.ub.ro/</a>
105	<b>Nechita E.N., Puiu P.G., Banu I.V.</b>	Development of automation of an industrial space	OPROTEH 2024, <a href="http://oproteh.ub.ro/">http://oproteh.ub.ro/</a>
106	<b>Petrea N.G., Grigore R.M., Banu I.V.</b>	Modeling the output power of a wind farm using retscreen	OPROTEH 2024, <a href="http://oproteh.ub.ro/">http://oproteh.ub.ro/</a>
107	Culea George, Nichita Cristian, Banu Ioan Viorel, Stan Mihai Bogdan	System for automatic orientation of photovoltaic panels based on the Modicon M221	OPROTEH 2024, <a href="http://oproteh.ub.ro/">http://oproteh.ub.ro/</a>
108	Livinți Petru, Banu Ioan Viorel, Popa Sorin Eugen	Experimental stand for the study of the autonomous three-phase synchronous generator	OPROTEH 2024, <a href="http://oproteh.ub.ro/">http://oproteh.ub.ro/</a>
109	Banu Ioan-Viorel, Grigore Roxana, Culea George, Vernica Sorin-Gabriel, Popa Sorin-Eugen	Modeling and Simulation of Three-Phase Grid-Connected Solid-Oxide Fuel Cell Systems	9 <sup>th</sup> International Conference on Energy Efficiency and Agricultural Engineering (EE&AE 2024), <a href="https://eeae-conf.uni-ruse.bg/previous-editions/9th-edition-2024">https://eeae-conf.uni-ruse.bg/previous-editions/9th-edition-2024</a>
110	Chitimus Alexandra-Dana, Nedeff Valentin, Radu Cristian, Mosnegutu Emilian, Barsan Narcis, Moroi Alina, Piticarau Denisa	Translocation of heavy metals from soils in industrial areas into plant species - belonging to the <i>Typhaceae Family</i>	OPROTEH 2024 <a href="http://oproteh.ub.ro/">http://oproteh.ub.ro/</a>
111	Emilian Mosnegutu, Marcin Jasiński, Mirela Panainte-Lehăduș, Claudia Tomozei, Oana Irimia, Andrișca Martin Aurelian	The geometrical study of a gripping and lifting system for A medium mass load	OPROTEH 2024 <a href="http://oproteh.ub.ro/">http://oproteh.ub.ro/</a>
112	<b>Emilian Mosnegutu,</b> Grzegorz Przydatek, <b>Dana-Alexandra Chitimus,</b> Cătălin Plăcintă, <b>Narcis Bârsan,</b> <b>Claudia Tomozei, Florin Nedeff</b>	Evaluation of the municipal waste management system in View of the perception of the population	OPROTEH 2024 <a href="http://oproteh.ub.ro/">http://oproteh.ub.ro/</a>
113	<b>Emilian Mosnegutu, Narcis Barsan,</b> Grzegorz Przydatek, <b>Mirela Panainte-Lehadus, Claudia Tomozei, Oana Irimia</b>	Evaluation of the municipal waste management considering the new concept of economy and population perceptions	II, international Scientific Conference INDUSTRY 4.0, Nowy Sacz, Polonia

114	Claudia Tomozei, Cătălin Marian Plăcintă, Emilian Moşnegutu, Valentin Nedeff, Oana Irimia, Mirela Panainte-Lehadus, Florin Marian Nedeff, Narcis Barsan, Dana Chitimus	Perceptions and priorities in sustainable development: an Analysis of public opinion in bacau county	OPROTEH 2024 <a href="http://oproteh.ub.ro/">http://oproteh.ub.ro/</a>
115	Narcis Barsan, Valentin Nedeff, Krzysztof Jamroziak, Dana Chitimus, Mirela Panainte-Lehadus, Emilian Mosnegutu, Claudia Tomozei, Oana Irimia, Iosif Ioja	Laboratory applications of municipal sludge dewatering	OPROTEH 2024 <a href="http://oproteh.ub.ro/">http://oproteh.ub.ro/</a>
116	Mihai Vulpe, Valentin Nedeff, Emilian Mosnegutu, Mirela Panainte Lehadus, Mara Panainte	The impact of population occupation on household waste management	OPROTEH 2024 <a href="http://oproteh.ub.ro/">http://oproteh.ub.ro/</a>
117	Oana Irimia, Octavia Viorel Diaconu, Emilian Moşnegutu, Claudia Tomozei, Mirela Panainte-Lehadus, Florin Marian Nedeff, Dana Chitimus, Narcis Barsan	Solutions for the rehabilitation of the Teslui river in Order to achieve environmental objectives	OPROTEH 2024 <a href="http://oproteh.ub.ro/">http://oproteh.ub.ro/</a>
118	Mirela Panainte-Lehadus, Mihaila Claudia-Narcisa, Emilian Moşnegutu, Valentin Nedeff, Claudia Tomozei, Florin Marian Nedeff, Oana Irimia, Narcis Barsan, Dana Chitimus	Study on the management of salt mining waste	OPROTEH 2024 <a href="http://oproteh.ub.ro/">http://oproteh.ub.ro/</a>
119	Petruţ-Liviu Bogdan, Valentin Nedeff, Mirela Panainte-Lehaduş, Oana Irimia, Emilian Moşneguţu	Integrated Assessment of Groundwater Quality: A Case Study of the Roman City and its Northern Surroundings	the 2024 9th International Conference on Energy Efficiency & Agricultural Engineering, 27-29.06.2024, Friday, 28 June 2024
120	Claudia Tomozei, Emilian Moşnegutu, Valentin Nedeff, Oana Irimia, Mirela Panainte-Lehadus, Florin Marian Nedeff, Dana Chitimus, Narcis Barsan	Study of the Noise Level in an Ice Cream Factory Working Environment	The 2024 9th International Conference on Energy Efficiency & Agricultural Engineering, 27-29.06.2024
121	Iosif Ioja, Valentin Nedeff, Maricel Agop, Florin Marian Nedeff, Claudia Tomozei	Software uses in precision agriculture based on drone image processing—A review	The 2024 9th International Conference on Energy Efficiency & Agricultural Engineering, 27-29.06.2024
122	Andrei Zaharia, Valentin Nedeff, Nicolata Frunza, Florin Nedeff, Narcis Barsan, Dana Chitimus	Some practical approaches of the poultry slaughter wastewater treatment by apply physico-chemical treatment	The 2024 9th International Conference on Energy Efficiency & Agricultural Engineering, 27-29.06.2024
123	Kamilou Ouro-Sama, Hodabalo Dheoulaba Solitoke, Gnon Tanouay, <b>Narcis Barsan</b> , Sadikou Agbere, Fègbawè Badanaro, <b>Valentin Nedeff</b> , Kissao Gnandi	Contribution of Multivariate Analysis and Geostatistics to the Study of the Physicochemical and Metallic Quality of the Waters from The Lake Togo-Lagoon Of Aneho Complex (South East Of Togo)	OPROTEH 2024 <a href="http://oproteh.ub.ro/">http://oproteh.ub.ro/</a>

124	Fègbawè Badanaro, Mamatchi Melila, Kamilou Ouro-Sama, Koami Ameyran, <b>Narcis Barsan, Valentin Nedeff</b>	Chemical Composition (Nutrients And Xenobiotics) Of Rhyncophorus Phoenicis (Fabricius, 1801) (Curculionidae) And Oryctes Monoceros (Olivier, 1789) (Scarabaeidae), Two Coleoptera Consumed In Togo	OPROTEH 2024 http://oproteh.ub.ro/
125	Andrei Zaharia, Valentin Nedeff, Narcis Barsan, Oana Irimia, Mirela Panainte-Lehadus	Integration of Uv and or Aop Disinfection Processes As A Pre-Treatment For The Optimization Of Membrane Filtration Processes Of Effluents From A Poultry Slaughterhouse	OPROTEH 2024 http://oproteh.ub.ro/
126	Mirela Panainte-Lehăduş, Emilian Mosnegutu, Valentin Nedeff, Claudia Tomozei, Narcis Barsan, Oana Irimia, Dana Chitimus	Studies And Research on How to Determine Specific Mathematical Models of the Cutting Process	OPROTEH 2024 http://oproteh.ub.ro/
127	Luminița Bibire, Paula Vrînceanu Greta Alina Maria Moroi, Teodora Palaghita	Study Regarding Nonlinear Control System for Distillation Column	OPROTEH 2024 http://oproteh.ub.ro/
128	Bibire Luminița, Alina Maria Moroi, Cristina Belecciu, Apetri Bogdan	Study on the Expertise of Pressure Vessels	OPROTEH 2024 http://oproteh.ub.ro/
129	Minculeasa Paulică, Bibire Luminița	Study regarding the optimisation of modern heating systems for indoor spaces	OPROTEH 2024 http://oproteh.ub.ro/
130	Enikó Gaşpar, <b>Oana Irimia</b> , Mirela Stanciu, Narcis Barsan, Emilian Mosnegutu	Strategies for sustainable economy in optimizing the processes for removal of the CBO5, CCOCr and MTS from the used water,	OPROTEH 2024 http://oproteh.ub.ro/
<b>TOTAL = fracțiuni 130</b>			

**15. Alte lucrări științifice publicate la conferințe internaționale/ naționale, volume ale unor conferințe (proceeding BDI)**

Nr. crt.	Autor(i)	Titlul articolului	Date identificare revista	ISSN / ISBN
1.	Catalin DROB, Valentin ZICHIL, Ioana PLESCAU	Overview about the most important theories/models of economic growth	Proceedings of the Review of Management and Economic Engineering, 9th International Management Conference, Rethinking Management in Adaptive Environments, Technical University of Cluj-Napoca, p. 187-192.	3061 – 3892
<b>TOTAL = fracțiuni 1</b>				

**16. Alte articole publicate la activități internaționale/ naționale**

Nr. crt.	Autor(i)	Titlul articolului	Date identificare revistă
1.			
<b>TOTAL = fracțiuni</b>			

**17. Alte proiecte inițiate / organizate**

Nr. crt.	Proiect		Director proiect		Membri echipă	Valoare în lei (2024)
	Nr. înregistrare	Denumire	Nume	Prenume		
<b>TOTAL = fracțiuni</b>						

18. Alte activități

Nr. crt.	Denumire activitate	Membri echipă	Alte detalii
1.	Premiul pentru cea mai bună lucrare (BEST PAPER AWARD - "Eco-friendly silver-modified clay: Combating ISO SS bacteria and enhancing Malachite Green dye oxidation") – <b>International Conference Applications of Chemistry in Nanosciences and Biomaterials Engineering - NanoBioMat 2024, București, noiembrie 2024</b>	<b>Mirila D.-C., Rosu A.-M., Georgescu A.-M., Nedeff F.-M., Jinescu C., Nistor I.-D.</b>	
2 - 10.	<p><b>EURO Politehnicus - International Innovation &amp; Invention Show</b>, Universitatea Națională de Știință și Tehnologie Politehnica București, în perioada 22-24 noiembrie 2024, participare cu două lucrări:</p> <p>A) "Novel inhibitor and catalyst silver nanoparticles on natural clay targeting ISO SS bacteria from sewage sludge and malachite green dye oxidation"</p> <p>B) "Innovative retention of phthalates in wine using newly developed nanomaterials"</p> <p>Premii și medalii:</p> <ul style="list-style-type: none"> <li>- 2 medalii de aur acordate la EURO Politehnicus (A + B).</li> <li>- Medalia de aur de la Universitatea „Dunărea de Jos” din Galați (A).</li> <li>- Medalia de aur și diplomă de excelență de la National Institute of Research – Development for Machines and Installations Designed for Agriculture and Food Industry (INMA) București (A).</li> <li>- CUPA și Diploma SPECIAL AWARD de la Centrul de Inovare și Transfer Tehnologic UPT, Asociația Generală a Inginerilor din România – Sucursala Hunedoara și Asociația CorneliuGroup Cercetare-Inovare, Universitatea Politehnică Timișoara (A).</li> <li>- Certificat de excelență de la Universitatea „Constantin Brâncuși” din Târgu Jiu, Technology Transfer Center CTT-UCB (A).</li> <li>- Premiul special (Diplomă și medalie) de la Romanian Association for Alternative Technologies (ARTA) Sibiu, ca semn de onoare, recunoaștere și apreciere a creativității științifice și originalității (A).</li> </ul>	<p><b>A) Mirilă D.-C., Vartolomei N., Roșu A.-M., Panainte-Lehăduș M., Georgescu A.-M., Nedeff F.-M., Nistor I.-D.</b></p> <p><b>B) Mirilă D.-C., Hortolomeu A., Vartolomei N., Roșu A.-M., Georgescu A.-M., Nedeff F.-M., Aruș V.-A., Platon N., Muntianu G., Panainte-Lehăduș M., Nistor I.-D.</b></p>	
11.	Silver medal - <b>The 28th International Exhibition of Inventions "INVENTICA 2024"</b> , Iasi (Romania), 3-5 July 2024 "White wheat bread with addition of buckwheat flour"	<b>Arus V.-A., Vartolomei N., Tanasa S., Teușdea A.C., Georgescu A.-M., Platon N., Roșu A.-M., Nistor I.-D.</b>	
12.	Gold medal – <b>"Traian Vuia" International Exhibition of Inventions and Innovations Timisoara</b> , 10 <sup>th</sup> edition, Timisoara (Romania), 13 -15 June 2024 "The influence of roship powder addition on yogurt quality"	Vartolomei N., Tănasă S., <b>Arus V.A.</b>	
13.	Silver medal - <b>EUROINVENT - European Exhibition of Creativity and Innovation</b> , 16 Edition, 2024, Iasi (Romania), 6-8 June 2024 "Colorimetry and image analysis of muffins with roship powder addition"	Vartolomei N., Tanasa S., Teusdea A.C., <b>Nistor I.D., Arus V.A., Turtoi M.</b>	

Nr. crt.	Denumire activitate	Membri echipă	Alte detalii
14.	În cadrul evenimentului <i>“Noaptea viitorului student”</i> , proiectul fiind inițiat de Liga Studențească, în data de 22 noiembrie 2024, Departamentul ICA a reprezentat Facultatea de Inginerie prin realizarea unui atelier practic cu elevii participanți	Conf. univ. dr. ing. Vasilica-Alisa ARUȘ Ș. I. dr. ing. Ana-Maria ROȘU Ș. I. dr. ing. ALEXA Irina-Claudia Ș. I. dr. ing. GROSU Luminița Ș. I. dr. ing. PATRICIU Oana-Irina Ș. I. dr. ing. PLATON Nicoleta Ș. I. dr. ing. STEFANESCU Ioana-Adriana	
15.	Publicarea unui articol în <i>Buletinul Societății de Chimie din România</i> Nr. XXXI, 2/2024 <i>Evenimente științifice - A XXXVII-a CONFERINȚĂ NAȚIONALĂ DE CHIMIE – CNChim-2024 - TÂRGOVIȘTE</i>	Ș. I. dr. ing. ALEXA Irina-Claudia Ș. I. dr. ing. GROSU Luminița Ș. I. dr. ing. PATRICIU Oana-Irina	
16.	Participare la <i>Noaptea Cercetătorilor Europeni 2024</i> , 27 septembrie 2024, organizată la Universitatea „Vasile Alecsandri” din Bacău, cu atelierul „Chimia din farfurie”	Conf. univ. dr. ing. ARUȘ Vasilica-Alisa Ș. I. dr. ing. ROȘU Ana-Maria Ș. I. dr. ing. GEORGESCU Ana-Maria Asist. univ. dr. ing. MUNTIANU Gabriela	
17.	Participare la <i>Școala de Vară a Viitorului Inginer</i> , ediția a II-a, 15-19 iulie 2024, Bacău cu atelierul „Bioresurse vegetale în farmaceutică și cosmetică”	Ș. I. dr. ing. SUCEVEANU Elena-Mirela Ș. I. dr. ing. PATRICIU Oana-Irina	
18.	Participare la <i>Școala de Vară a Viitorului Inginer</i> , ediția a II-a, 15-19 iulie 2024, Bacău cu atelierul „Zahărul ascuns din alimente”	Ș. I. dr. ing. GEORGESCU Ana-Maria Asist. univ. dr. ing. MUNTIANU Gabriela	
19.	Participare la <i>Școala de vară “Responsabilitate fata de viitorul nostru”</i> , 8-12 iulie 2024, Bacău cu atelierul „Împreună să păstrăm planeta verde. Stop risipei alimentare”	Conf. univ. dr. ing. ARUȘ Vasilica-Alisa Conf. univ. dr. chim IFRIM Irina-Loredana	
20.	Participarea la <i>ediția a X-a a Concursului Național „Ecotrophelia” România 2024</i> organizată de Universitatea de Științele Vieții „Ion Ionescu de la Brad” din Iași, sub egida Asociației Specialiștilor de Industrie Alimentară din România (ASIAR), 12-14 iunie 2024	Echipa de studenți NutriLand a fost coordonată de: Ș. I. dr. ing. ALEXA Irina-Claudia Ș. I. dr. ing. GROSU Luminița Ș. I. dr. ing. PATRICIU Oana-Irina	Echipa NutriLand a obținut Premiul special pentru Ecoinovație acordat de Boromir
21.	<i>Proiect educativ pentru sănătate și dezvoltare durabilă</i> (Colegiului Economic „Ion Ghica”, Bacău) nr. 1990 / 08.02.2024	S. I. dr. ing. PLATON Nicoleta Conf. univ. dr. ing. ARUȘ Vasilica-Alisa S. I. dr. ing. ROȘU Ana-Maria	Februarie – Iunie 2024
	<b>TOTAL = 21 de activități</b>		

Se va completa și cu alte activități/manifestări științifice relevante, specifice facultăților (simpozioane, workshopuri, mese rotunde, evenimentul „Noaptea Cercetătorilor Europeni”, etc.)

DECAN,

Prof. dr. ing. habil. ~~Mircea~~ PANAINTE-LEHĂDUȘ

Prodecan cu probleme de management al cercetării științifice și relații internaționale,

Prof. dr. ing. habil. ~~Bogdan~~ Alexandru CHIRIȚĂ