

Fișa de verificare a îndeplinirii standardelor minime CNATDCU

Ingineria resurselor vegetale și animale (OM 6129/20.12.2016)

Nume și prenume cadru didactic: **Ana-Maria ROȘU**

Grad didactic: **Șef de lucrări**

STANDARD	Punctaj	Punctaj minim grilă CNATDCU*
A1. Activitatea didactică și profesională	Îndeplinit	Minim 50 puncte
1.1. Cărți și capitole în cărți de specialitate	290,2 puncte	
Minim 1 carte/capitol în calitate de prim autor		
1.1.1. Cărți cu ISBN / capitole ca autor	144,3 puncte	
1.A.M. Roșu, D.C. Mirilă, 2025. Siguranța produselor alimentare, ISBN – 978-606-527-731-1, Editura Alma Mater, Bacău, 107 p.	107/(5*2) = 10,7	
2.Daniela Nicuță, Ana-Maria Roșu*, Roxana-Elena Voicu, 2023. Nano-Emulsion Formulations for Food Processing and Enhancing the Nutritional Quality and Shelf Life of Food, CAB International 2023. Nanoformulations for Sustainable Agriculture and Environmental Risk Mitigation – 27 pag. (eds Z. Khan and N.A. Șuțan), DOI: 10.1079/9781800623095.0003	27/(2*3) = 4,5	
3.G. Muntianu, A.M Roșu, 2023. Chimie aplicată, Editura PIM, Iași, ISBN 9786061377350, 315 p.	315/(5*2) = 31,5	
4.G. Muntianu, A.M. Roșu, 2023. Chimia pe înțelesul tuturor. Experimente. Aplicații. Editura PIM, Iași, ISBN 978-606-13-7528-8, 256 p.	256/(5*2) = 25,6	
5.A.M. Roșu, 2017. Synthèse d’amidons modifiés pour le développement de procédés d’oxydation de polluants organiques persistants, Editura Alma Mater, Bacău, ISBN 978-606-527-561-4, 144 pagini	144/2 = 72	
1.2. Suport didactic		
1.2.1. Manuale, suport de curs inclusiv electronic	71,94 puncte	
1. A.M. Roșu, 2025. Chimie pentru ingineri, Ed. a II-a – ISBN 978-606-527-730-4, Editura Alma Mater, Bacău, 102 p.	102/8*1 = 12,75	
2. N.D. Miron, A.M. Roșu, 2018. Chimie pentru ingineri, Editura Alma Mater, Bacău, ISBN 978-606-527-603-1, 235 p.	235/8*2 = 14,68	
3. N.D. Miron, A.M. Roșu, 2015. Tehnologii și alimente speciale în industria produselor alimentare, Editura Alma Mater, Bacău, ISBN 978-606-527-137-1, 130 p.	130/8*2 = 8,13	
4. N. Platon, A.M. Roșu, 2015. Tehnologii în industria alimentară, Editura Alma Mater, Bacău, ISBN 978-606-527-448-8, 200 p.	200/8*2 = 12,5	
5. N.D. Miron, A.M. Roșu, 2014. Calitatea si siguranța alimentelor, Editura PIM, Iași, ISBN 978-606-13-1937-4, 135 p.	135/8*2 = 8,44	
6. N.D. Miron, A.M. Roșu, 2014. Metode de condiționare și conservare a produselor ecologice, Editura PIM, Iași, ISBN 978-606-13-1936-7, 247 p.	247/8*2 =15,44	
1.2.2. Îndrumare de laborator / aplicații	28,96 puncte	
1. A.M. Roșu, N. Platon, 2013. Chimia alimentelor, Editura Alma Mater, Bacău, ISBN 978-606-527-311-5, 108 p	108/8*2 =6,75	

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2. N.D. Miron, A.M. Dospinescu , 2007. Chimie anorganică, Editura Alma Mater, Bacău, ISBN 978-973-1833-06-4, 188 p	188/8*2 =11,75	
3. N.D. Miron, A.M. Dospinescu , A.V. Ursu, 2007. Aditivi și amelioratori în industria alimentară, Editura Alma Mater, Bacău, ISBN 978-973-8392-07-1, 125 p	125/8*3 =5,21	
4. N.D. Miron, I.D. Nistor, A.M. Dospinescu , 2007. Chimie generală, Editura Alma Mater, Bacău, ISBN 978-973-1833-09-5, 126 p	126/8*3 =5,25	
1.2. Coordonare de programe de studii, organizare și coordonare programe de formare continuă și proiecte educaționale (POS, Socrates, Leonardo sa)	45	
1. Acord bilateral ERASMUS Universitatea “Vasile Alecsandri” din Bacău, România și Universite du Littoral Cote d’Opale Dunkerque Franța începând cu data de 1.10.2011 – 1.10.2020	15	
2. Acord bilateral ERASMUS Universitatea “Vasile Alecsandri” din Bacău, România și University of Thessaly, Gr-41500 Larissa, Greece	15	
3. Acord bilateral ERASMUS Universitatea “Vasile Alecsandri” din Bacău, România și Université de Liège, Belgia începând cu data de 1.11.2025 (Domeniul Biotehnologii Alimentare)	15	
PUNCTAJ TOTAL CRITERIU A1	290,2 puncte	Minim 50 puncte
A2. Activitatea de cercetare	Îndeplinit 424,38 puncte	Minim 130 puncte
2.1. Articole in extenso în reviste cotate ISI Thomson Reuters, în volume proceedings indexate Thomson Reuters și brevete de invenție indexate Web of Science-Derwent	302,15 puncte	
<i>Minimum 5 articole din care minimum 3 în reviste ISI cotate; la 3 dintre lucrări (din care 1 ISIcotată) să fie autor principal/corespondent/coordonator (ultim autor – doar dacă este conducător de doctorat) Cel puțin 2 lucrări să fie publicate după ultima promovare sau în ultimii 5 ani.</i>		
1. Doroftei, R.F.; Mirila, D.; Silion, M.; Ionita, D.; Rosu, A.-M. ; Munteanu, C.; Istrate, B.; Muntianu, G.; Georgescu, A.-M.; Nistor, I.-D. <i>Clays as Dual-Function Materials for TNT Adsorption and Catalytic Degradation: An Experimental Approach</i> . Materials 2025 , 18, 3824. https://doi.org/10.3390/ma18163824 (FI2025=3,2)	(35+20*3,2)/10 = 9,9	
2. Doroftei, R.F.; Silion, M.; Ioniță, D.; Dascalu, A.; Nedeff, F.; Georgescu, A.-M.; Rosu, A.-M. ; Mirila, D.; Nistor, I.-D. <i>From Nature to Remediation: Biomaterials for Malachite Green Retention and Degradation</i> . Materials 2025 , 18, 4374. https://doi.org/10.3390/ma18184374 (FI2025=3,2)	(35+20*3,2)/9 = 11	
3. Muntianu, G.; Nistor, I.D., Georgescu, A.-M.; Rosu, A.-M. ; Mirila D-C; Mares M., Jinescu, C.V.; 2025 , <i>Dynamic study behavior of the fluidized binary mixture bed with bentonite particles</i> , Scientific Study And Research - Chemistry And Chemical Engineering Biotechnology Food Industry, Volume: 25 Issue: 2, pages 047-065, ISSN: 1582-540X, https://doi.org/10.29081/ChIBA.2025.629 (FI2025=0,3) WOS: 001504837400005	(35+20*0,3)/7 = 5,86	
4. Muntianu, G.; Georgescu, A.-M.; Rosu, A.-M.* ; Platon, N.; Arus, V.A.; Jinescu, C.V.; Nistor, I.D. <i>Ammonia Gas Adsorption in Fixed Bed and Fluidized Bed Using Bentonite Particles</i> . Appl. Sci. 2025 , 15, 832. https://doi.org/10.3390/app15020832 (FI2025=2,5)	(35+20*2,5)/7 = 12,14*2=24,29	

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5. Arus, VA; Georgescu, AM; Platon, N; Rosu, AM ; Muntianu, G; Teusdea, AC; Vartolomei, N; Nistor, ID, 2024, <i>Preliminary studies concerning the influence of buckwheat flour on the quality of white wheat bread</i> , 2024 , Scientific Study And Research-Chemistry And Chemical Engineering Biotechnology Food Industry, Volume: 25 Issue: 2, pages 157-167, ISSN: 1582-540X, http://dx.doi.org/10.29081/ChIBA.2024.584 , (FI2024=0,3) WOS:001291022200004	(35+20*0,3)/8 = 5,13	
6. Andreea Hortolomeu, Diana Carmen Mirila, Ana-Maria Rosu , Florin Marian Nedeff, Iuri Scutaru, Dorel Ureche, Rodica Sturza, Adriana-Luminita Fînar, Ileana Denisa Nistor, <i>Chemically Modified Clay Adsorbents Used in the Retention of Protein and Polyphenolic Compounds from Sauvignon Blanc White Wine</i> , Nanomaterials, ISSN: 2079-4991, 2024 , 14, 588. https://doi.org/10.3390/nano14070588 , (FI2024 = 5,3) WOS:001200958100001	(35+20*5,3)/9 = 15,66	
7. Hortolomeu A., Mirila D.C., Georgescu A.M., Rosu A.M. , Scutaru Y., Nedeff F.M., Sturza R., Nistor I. D., 2023 , <i>Retention of Phthalates in Wine Using Nanomaterials as Chemically Modified Clays with H2O, H3O, H4O Boltron Dendrimers</i> , Nanomaterials, ISSN: 2079-4991, 13 (16), 2301; https://doi.org/10.3390/nano13162301 (FI2023 = 5,3) WOS:001056728300001	(35+20*5,3)/8 = 17,63	
8. V. A.Ciubotariu, C. C. Grigoras, V. Zichil , A-M Rosu . 2023 , <i>An adaptive algorithm and additively manufactured punch used 2 to form aluminum sheet metal parts</i> , Materials, 16, x. https://doi.org/10.3390/xxxxx (F.I.2023=3,748) WOS:000997114100001	(35+20*3,75)/4 = 27,5	
9. Popa Olga, Ana-Maria Rosu* , Daniela Nicuta, Roxana Elena Voicu, Valentin Zichil, and Ileana Denisa Nistor. 2022 , <i>Factorial Design to Stimulate Biomass Development with Chemically Modified Starch</i> , Applied Sciences 12, no. 19: 10069. https://doi.org/10.3390/app1219100699 (FI2022=2,7) WOS:000866633400001	(35+20*2,7)/6= 14,83*2=29,66	
10. Diana-Carmen, Mirila, Raducanu Dumitra, Georgescu Ana-Maria, Rosu Ana-Maria , Ciubotariu Vlad Andrei, Zichil Valentin, and Nistor Ileana-Denisa. 2022 . <i>Silver Nanoparticles Incorporated on Natural Clay as an Inhibitor against the New ISO SS Bacteria Isolated from Sewage Sludge</i> , Involved in Malachite Green Dye Oxidation, Molecules 27, no. 18: 5791. https://doi.org/10.3390/molecules27185791 (FI2022=4,6) WOS:000858816700001	(35+20*4,6)/7 = 18,14	
11. S. Andrei, I.V. Rati, A.M. Rosu , V. Zichil, D.I. Nistor, 2021 . <i>Ecological contributions to some soils in greenhouses for vegetable production</i> , Scientific Study And Research-Chemistry And Chemical Engineering Biotechnology Food Industry, Volume: 22 Issue: 4 pages 509 – 520 (FI2021=0) WOS:000731763100009	(35+20*0)/5 = 7	
12. D.C. Mirilă, M.Ş. Pîrvan, A.M. Roşu , V. Zichil, I.D. Nistor, 2018 . <i>Activated adsorption on clay of micropollutants from paper printing industry</i> , Scientific Study And Research-Chemistry And Chemical Engineering Biotechnology Food Industry, Volume: 19 Issue: 1 pages 063 – 072 (FI=0) WOS:000431353000007	(35+20*0)/5 = 7	
13. A.M. Roşu , C.G. Grigoras, C. Rafin, E. Veignie, 2017 . <i>A green chemical approach of corn starch modification for innovative solutions in adsorption of polycyclic aromatic hydrocarbons</i> , Scientific Study And Research-Chemistry And Chemical Engineering Biotechnology Food Industry, Volume: 18, Issue: 1, Pages: 097-100 (FI=0) WOS:000396720500010	(35+20*0)/4 =8,75*2=17,5	

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14. Roșu A.M.* , Voicu R.E., Nicuta, D., 2016 . <i>Comparative Study Of Pigments On Regenerants From In Vitro And Spontaneous Flora Of Thymus Sp.</i> , Scientific Study And Research-Chemistry And Chemical Engineering Biotechnology Food Industry, Volume: 17, Issue: 4, Pages: 395-403 (FI=0), WOS:000391283400007		$(35+20*0)/3 = 11,66*2=23,33$
15. Arus V.A., Nistor I.D., Platon N., Roșu A.M. , Muntianu G., Jinescu, C., 2015 . <i>Statistical modelling and optimization of lactic acid fermentation in the presence of anionic clay and ultrasonic field</i> , Revista de Chimie, Volume 66, Issue 1, Pages 88-91 (FI= 0.956) WOS:000350270800018		$(35+20*0,956)/6 = 9,02$
16. A.M. Roșu , E. Veignie, G. Surpateanu, G. Brabie, D.N. Miron, C. Rafin, 2013 . <i>Synthesis of alkylated potato starch derivatives and their potential in the aqueous solubilization of benzo[a]pyrene</i> , Carbohydrate polymers, Volume 83, Issue 4, Pages 1486-1491, ISSN: 0144-8617 DOI10.1016/j.carbpol.2012.06.062 (FI=3,91). WOS:000316512900026		$(35+20*3,91)/6 = 18,86*2 = 37,73$
17. A.M. Roșu , C. Rafin, G. Surpateanu, G. Brabie, D.N. Miron, E. Veignie, 2011 . <i>Synthesis and evaluation of hydroxypropylated potato starch as polymeric support for benzo[a]pyrene degradation by Fenton reaction</i> , Carbohydrate Polymers, Volume 93, Issue 1, Pages 184-190, ISSN: 0144-8617, (FI2011=3,62) WOS:000286965400006		$(35+20*3,62)/6 = 17,9*2 = 35,8$
2.2. Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale	56,75 puncte	
<i>Minimum 10 articole</i>		
1. Olga Popa, Andrei-Vlad Ciubotariu, Cosmin Constantin Grigoraș, Ana-Maria Roșu , Valentin Zichil, 2022 , <i>Sudy regarding the influence of corrosive agents on the surface of metallic material like steel</i> , Journal of Engineering Studies and Research, Vol. 28, Nr 2, Pag 92-99.		$15/5=3*2=6$
2. Augustin Jitaru, Cosmin Constantin Grigoraș, Gheorghe Brabie, Ana-Maria Roșu , Lucian-Marius Roșu, 2022 , <i>Magnesium Alloy Az31b Forming Limit Curve Using The Nakazima Test</i> , Journal of Engineering Studies and Research, Vol. 28, Nr 1, Pag 53-58.		$15/5=3$
3. Olga Popa, Ana-Maria Roșu , Valentin Zichil, 2021, <i>A review of metallic materials corrosion</i> , Buletinul Institutului Politehnic Din Iași. Secția Matematica. Mecanică Teoretică. Fizică, Vol. 67, Nr 4, Pag. 39-58.		$15/3=5$
4. Simion A.I., Grigoraș C. G., Roșu A.M. , Gavrilă L., <i>Mathematical modelling of density and viscosity of NaCl aqueous solutions</i> , Journal of Agroalimentary Processes and Technologies, ISSN: 2069-0053 (print) (former ISSN: 1453-1399), Agroprint; ISSN (online): 2068-9551, 2015 , 21(1), 41-52		$15/4=3,75$
5. Zavada R.M., Roșu A.M. , Miron N.D., Surpateanu G., Nistor I.D. <i>Influence of Microwave Drying on the Content of Photosynthetic Pigments in Spinach</i> , Food and Environment Safety – Journal of Faculty of Food Engineering Stefan cel Mare University, Suceava, ISSN 2068-6609, 2014 , Vol: 13 Issue: 1 Pages: 55-59		$15/5=3$
6. A.M. Roșu , N. Platon, V.A. Aruș, N.D. Miron, I.D. Nistor, G. Brabie, 2014 . <i>Experimental Study Regarding Mechanical Properties Of FeP-05-MB Sheet Steels Submitted To Corosive Mediums</i> , Journal Of Engineering Studies And Research, Volume 20, Issue Nr. 1, pages:82-90, ISSN 2068-7559		$15/6*2=5$
7. A.M. Roșu , G.Muntianu, N.D. Miron, I.D. Nistor, G. Brabie, 2013 . <i>Determination of microbiological medium quality through a mathematical model concerning the prevention of biocorrosion</i> , Journal of Engineering Studies and Research, Volume 19, Issue No.4, pages 59-64, ISSN 2068-7559		$15/6*2=5$

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8. N. Platon, A.M. Roșu , V.A. Aruș, D.I. Nistor, I. Siminiceanu, 2013 . <i>Chemically modified clays used for environmental quality</i> , Journal of Engineering Studies and Research, Volume 19, Issue No.4, pages:52-58, ISSN 2068-7559	15/5=3	
9. G. Muntianu, N. Platon, V.A. Aruș, A.M. Roșu , D.I. Nistor, G. Jinescu, 2013 . <i>Hydrodynamic study of clay particles in fluidized bed</i> , Journal of Engineering Studies and Research, , Volume 19, Issue No.2, pages 70-81, ISSN 2068-7559	15/6=2,5	
10. R.M. Cojocaru, I.M. Popa, G. Surpățeanu, A.M. Roșu , N.D. Miron, I.D. Nistor, 2012. <i>Study concerning the extraction of photosynthetic pigments from spinach</i> , Buletinul Institutului Politehnic Din Iași, Publicat de Universitatea Tehnică „Gheorghe Asachi” din Iași, Tomul LVII (LXI), Fasc. 3, 2012 , Secția Chimie și Inginerie Chimică, p. 101-109, ISSN 0254-7104	15/5*2=6	
11. A.E. Farkas, D. Scutaru, D.N. Miron, A.M. Roșu , C.E. Țebrencu, I.D. Nistor, 2012 . <i>Study concerning the utilization of cellulose derivates as development support for microorganisms</i> , Buletinul Institutului Politehnic Din Iași, Publicat de Universitatea Tehnică „Gheorghe Asachi” din Iași, Tomul LVII (LXI), Fasc. 3, 2012 , Secția Chimie și Inginerie Chimică, p.131-140, ISSN 0254-7104	15/6*2=5	
12. A.M. Roșu , D.I. Nistor, N.D. Miron, M.I. Popa, R. M. Cojocaru, 2012 . <i>Ultrasound-assisted extraction of photosynthetic pigments from dried dill (Anethum Graveolens)</i> , Food and Environment Safety - Journal of Faculty of Food Engineering, Ștefan cel Mare University – Suceava, Volume XI, Issue 4, p. 5-9, ISSN: 2068-6609	15/6=2	
13. A.M. Roșu , Gh. Brabie, N.D. Miron, I.D. Nistor, 2009 . <i>Experimental study regarding influence of the microbiological corrosive medium over the mechanical properties of the Al6061T4 metallic material</i> , Annals of „Dunărea de Jos” University of Galați, Mathematics, Physics, Theoretical Mechanics, Fascicle II, Year I (XXXII), Proceedings of the 1st International Symposium on Applied Physics – Materials Science, Environment and Health (ISAP1), Galați, November 28th-29th, ISSN – 2066 – 7124	15/4=3,75*2 =7,5	
2.3. Proprietate intelectuală, brevete de invenție, tehnologii și produse omologate (soiuri, hibrizi, rase etc.)	7,5 puncte	
2.3.1. Internaționale Nu e cazul	-	
2.3.2. Naționale Stan G., Romanescu M.C., Pal A., Dospinescu A.M. , 2010 . <i>Stand pentru încercarea la rezistență a corpurilor de robinet</i> , Oficiul de Stat pentru Invenții și Mărci, București, RO122935B1	30/4=7,5	
2.4. Granturi / proiecte câștigate prin competiție inclusiv proiecte de cercetare / consultanță (valoare de minim 10000 Euro echivalenți)	57,98 puncte	
2.4.1. Director / responsabil	20	
Minimum 1 proiect		
Director contract agent economic, nr. 3/2025, <i>Cercetări aplicative privind analiza materialelor metalice folosite la confecționarea utilajelor din industria alimentară</i>	10*1=10	
Director contract socio-economic competiție de minigranturi 2022 - <i>Engineer-a successful entrepreneur (EngSE)</i>	10*0,5=5	
Director contract socio-economic competiție de minigranturi 2023 - <i>Entrepreneurial Education in Food Science</i>	10*0,5=5	

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2.4.2. Naționale		37,98	
✓	Proiect CNFIS-FDI-2024-F-0556, 2024 - „Ecosistem antreprenorial competitiv, incluziv și sustenabil la Universitatea „Vasile Alecsandri” din Bacău” - iEnterprise@UBc, durata proiect 10 luni	2*0,83=1,66	
✓	Proiect „Simulated Enterprises in Food Industry at the „Vasile Alecsandri” University of Bacau” – SEiFI@UBc, 2025, durată proiect – 5 luni	2*0,42=0,84	
✓	Cooperare bilaterală pentru o colaborare pe termen lung - instituția Østfold University College, 2024, Durata 5 luni	2*0,42=0,84	
✓	Proiect FDI, 2021- „Învățare omniprezentă la UBc! Acces permanent la aplicații” - MOBILE-UBc, durata proiect 10 luni	2*0,83=1,66	
✓	Proiect FDI, 2022- „Realitate augmentată la UBc: vizualizarea 3D a activității didactice” - AR@UBc, durata proiect 10 luni	2*0,83=1,66	
✓	Proiect FDI, 2023- „Educație digitală la UBc: utilizarea aplicațiilor din realitatea virtuală în activitatea didactică” - DIGI-EDU@UBc, durata proiect 10 luni	2*0,83=1,66	
✓	Proiect FDI, 2024 - „Digitalizarea componentei de studiu individual la UBc: utilizarea aplicațiilor cu suportul profesorului virtual” - PROF-VR@UBc, durata proiect 10 luni	2*0,83=1,66	
✓	Proiect CEEEX, modul III, nr. 246/2006 – membru: Dezvoltarea parteneriatului stiințific în domeniul sintezei și utilizării nanomaterialelor în tehnologii neconventionale de decontaminare a apelor poluate – ECONAO, durata proiectului 24 luni	2*2=4	
✓	Proiect PNCD II, nr. 31093.1/14.09.2007 – asistent cercetare: Cercetari privind utilizarea barierei reactive la tratarea apelor reziduale rezultate la uzinele de procesare a minereurilor uranifere – URTECH ; durata proiectului: 36 luni.	2*3=6	
✓	Proiect PNCD II, nr. 21037.2/14.09.2007 – asistent cercetare: Tehnologie energetica durabila, în vederea promovarii resurselor minerale uranifere indigene, prin optimizarea procedeului de purificare a uraniului – TEDPUR ; durata proiectului: 36 luni.	2*3=6	
✓	Proiect PNCD II, nr. 21074/14.09.2007 – asistent cercetare: Tehnologie noua de separare a uraniului prin extracție cu solvenți, în câmp de ultrasunete, cu impact benefic asupra reducerii contaminării cu uraniu a arealului înconjurator – UEXUS ; durata proiectului: 36 luni.	2*3=6	
✓	Proiect ROSE - „Ingineria o cariera de viitor - ING UP”, valoare 681720 lei, durata 36 luni.	2*3=6	
PUNCTAJ TOTAL CRITERIU A2		424,38 puncte	Minim 130 puncte
A3	Recunoașterea și impactul activității	Îndeplinit 617,48 puncte	
3.1. Citări în reviste ISI și volumele conferințelor indexate WOS			
1. Simion A.I., Grigoraș C. G., Roșu A.M., Gavrilă L., 2015, Mathematical modelling of density and viscosity of NaCl aqueous solutions, Journal of Agroalimentary Processes and Technologies, ISSN: 2069-0053 (print) (former ISSN: 1453-1399), Agroprint; ISSN (online): 2068-9551, 21(1), 41-52		(10/4)*74=185	
Citat în următoarele articole ISI (exclus autocitări)			

1. Abea, A.; Kravets, M.; Gou, P.; Guàrdia, M.D.; Felipe, X.; Bañón, S.; Muñoz, I.J.I.F.S.; Technologies, E. Modeling of radio frequency heating of packed fluid foods moving on a conveyor belt: A case study for tomato puree. 2023, 86, 103386.
2. Ahmad, S.; Marson, G.V.; Rehman, W.U.; Younas, M.; Farrukh, S.; Rezakazemi, M.J.E.S.E. Development of mass and heat transfer coupled model of hollow fiber membrane for salt recovery from brine via osmotic membrane distillation. 2021, 33, 1-18.
3. Alsalem, M.M.; Ryan, M.P.; Campbell, A.N.; Campbell, K.S.J.C.E.J. Modelling of CO₂ corrosion and FeCO₃ formation in NaCl solutions. 2023, 451, 138966.
4. Apostolopoulou, V.; Junius, N.; Sear, R.P.; Budayova-Spano, M. Supplementary Material for: Mixing salts and polyethylene glycol into protein solutions: The effects of diffusion across semipermeable membranes and of convection.
5. Apostolopoulou, V.; Junius, N.; Sear, R.P.; Budayova-Spano, M.J.C.G.; Design. Mixing salts and poly (ethylene glycol) into protein solutions: The effects of diffusion across semipermeable membranes and of convection. 2020, 20, 3927-3936.
6. Arroyo, P.; Prisle, N.; Ammann, M.J.S.C. Impact of Tetrabutylammonium on the Oxidation of Bromide by Ozone. 75.
7. Azad, M.J.; Pouranfard, A.; Emadzadeh, D.; Lau, W.; Dil, E.A.J.C.; Engineering, C. Simulation of forward osmosis and pressure retarded osmosis membrane performance: Effect of TiO₂ nanoparticles loading on the semi-permeable membrane. 2022, 160, 107709.
8. Capriolo, M.; Marzoli, A.; Aradi, L.E.; Ackerson, M.R.; Bartoli, O.; Callegaro, S.; Dal Corso, J.; Ernesto, M.; Gouvêa Vasconcellos, E.M.; De Min, A.J.N.C. Massive methane fluxing from magma–sediment interaction in the end-Triassic Central Atlantic Magmatic Province. 2021, 12, 5534.
9. Castillo-Téllez, B.; Romero, R.J.; Allaf, K.; Pilatowsky-Figueroa, I.J.S. Saline diffusion modeling for sodium chloride aqueous solutions: freezing for desalination purposes. 2022, 9, 272.
10. Chaudhry, M.; Kiemle, S.; Pohlmeier, A.; Helmig, R.; Huisman, J.J.a.p.a. Non-invasive imaging of solute redistribution below evaporating surfaces using ²³Na-MRI. 2025.
11. Du, Y.; Wang, Z.; Jiang, L.; Calzavarini, E.; Sun, C.J.J.o.F.M. Sea water freezing modes in a natural convection system. 2023, 960, A35.
12. Gao, Q.; Zhao, J.; Yin, Z.; Yang, D.; Zhang, C.J.J.o.N.G.S.; Engineering. Experimental study on methane hydrate formation in quartz sand under tri-axial condition. 2021, 85, 103707.
13. Gayoux, V. Transmission d'un faisceau ultrasonore borné en incidence normale à travers une plaque immergée. Application à l'évaluation non destructive localisée d'assemblages collés. Université de Bordeaux, 2023.
14. Gelfgat, A.Y.; Horstmann, G.M.J.P.R.F. Electrocapillary, thermocapillary, and buoyancy convection driven flows in the Melcher-Taylor experimental setup. 2024, 9, 044101.
15. Grenke, J.H.; Elliott, J.A.J.T.J.o.P.C.B. Predictive Thermodynamics for Isochoric (Constant-Volume) Cryopreservation Systems. 2025.
16. Gresh-Sill, M.; Banerjee, S.; Meyer, T.Y.; Velankar, S.S.J.L. Salt Effects on the Phase Behavior and CocrySTALLIZATION Kinetics of POCB–Water Mixtures. 2024, 40, 2862-2871.
17. Grigoraş, C.G.; Muntianu, G.; Gavrilă, L.J.S.S.R.C.C.E.B.F.I. Mathematical modelling of CaCl₂ aqueous solutions thermophysical properties. 2016, 17, 417-426.
18. Haghnegahdar, A.; Zhao, J.; Feng, Y.J.J.o.a.s. Lung aerosol dynamics of airborne influenza A virus-laden droplets and the resultant immune system responses: An in silico study. 2019, 134, 34-55.
19. Honmane, B.; Deshpande, T.; Dhand, A.; Bhansali, R.; Ghosh, P.K.J.J.o.M.S. Channelizing the osmotic energy of proximate sea bittern for concentration of seawater by forward osmosis under realistic conditions to conserve land requirement for solar sea salt production. 2018, 567, 329-338.
20. Horstmann, A.Y.G.G.M.J.a.p.a. Electrocapillary flow in Melcher-Taylor experimental setup. 2022.
21. Hu, Y.-y.; Yuan, S.-h.J.a.p.a. Constitutive theory of saturated porous media considering porosity-dependent skeleton strain and chemical activity. 2023.
22. Huguet, L.; Barge-Zwick, V.; Le Bars, M.J.P.R.F. Dynamics of a reactive spherical particle falling in a linearly stratified fluid. 2020, 5, 114803.
23. Huguet, L.; Le Bars, M.; Deguen, R.J.G.R.L. A laboratory model for iron snow in planetary cores. 2023, 50, e2023GL105697.

24. Hwang, M.; Wang, J.; Jung, S.Y.J.M. Understanding the residence time distribution in a transient inline spiking system: Modeling, experiments, and simulations. 2023, 13, 375.
25. Issa, I.M.; Zollinger, D.G.; Lytton, R.L.; Cunningham, T.J.J.o.M.i.C.E. Quantitative Characterization of Transport Properties in Roller-Compacted Concrete by Incorporating RCPT and TDR. 2023, 35, 04022381.
26. Jebbar, Y.A. Theoretical Investigation of Using a Solar Pond for Air Conditioning of Buildings in Karbala City. University of Kerbala, 2020.
27. Jenkins, A.; Wells, G.G.; Ledesma-Aguilar, R.; Orejon, D.; Armstrong, S.; McHale, G.J.T.J.o.C.P. Suppression of crystallization in saline drop evaporation on pinning-free surfaces. 2023, 158.
28. Jung, J.; Moon, J.; Kim, D.J.P.R.F. Dynamics of a Lorentz force activated oscillating jet. 2025, 10, 023701.
29. Kong, H.; Qu, N.; Kong, W.J.J.o.T.E.S. Multiphysics simulation and experimental investigation on jet electrochemical milling of Ti-6Al-4V alloy. 2022, 169, 093502.
30. Kozhushko, O.; Martyniuk, P. Spreading of chemical substance after its accidental spillage onto the soil surface under unsaturated conditions and variable porosity. In Proceedings of the Modeling, Control and Information Technologies: Proceedings of International scientific and practical conference, 2019; pp. 41-44.
31. Kozhushko, O.D.; Martyniuk, P.M.J.Z.N.T.i.E.U.T.-P.w.B. Computer modelling of the dynamic system «porous medium–moisture–chemical substance» in the case of soil desalinization by rainfalls (a three-dimensional case). 2018, 47-60.
32. Laub-Ekgreen, M.H.; Jessen, F.; Martinez-Lopez, B.J.J.o.F.E. Mechanistic modelling of the coupled salt and water transport in herring during brining and curing. 2019, 250, 18-25.
33. Laub-Ekgreen, M.H.; Martinez-Lopez, B.; Frosch, S.; Jessen, F.J.F.r.i. The influence of processing conditions on the weight change of single herring (*Clupea herengus*) fillets during marinating. 2018, 108, 331-338.
34. Liao, S.; Ye, P.; Tan, F.; Chen, J.; Shi, S. Method for Measuring the Properties of Liquid by a Single QCM at Different Temperatures. In Proceedings of the 2018 IEEE International Frequency Control Symposium (IFCS), 2018; pp. 1-3.
35. Ling, D.; Zhu, S.; Zheng, J.; Xu, Z.; Zhao, Y.; Chen, L.; Shi, X.; Li, J.J.E. A simulation method for the dissolution construction of salt cavern energy storage with the interface angle considered. 2023, 263, 125792.
36. Ling, N.; Haber, A.; Graham, B.; Aman, Z.; May, E.; Fridjonsson, E.; Johns, M.J.E.; fuels. Quantifying the effect of salinity on oilfield water-in-oil emulsion stability. 2018, 32, 10042-10049.
37. Maldonado, M.; Cretier, R.; Melendez, M.; Gomez, C.J.M.E. A new approach to measure gas holdup in industrial flotation machines. Part II: Effect of fluid properties. 2020, 148, 106177.
38. Manopoulos, C.; Tsangaris, S.; Mathioulakis, D.J.P.o.t.I.o.M.E., Part C: Journal of Mechanical Engineering Science. Net flow generation in closed-loop valveless pumping. 2020, 234, 2126-2142.
39. Martínez-López, B.; Bertelsen, N.W.; Jessen, F.J.J.o.F.P.E. Determination of transport properties and mechanistic modeling of the coupled salt and water transport during osmotic dehydration of salmon induced by dry salting. 2019, 42, e13019.
40. Martyniuk, P.; Kutia, T.; Ostapchuk, O.; Pinchuk, O.J.J.J.o.H.; Transfer, M. Filtration equation and movement of the wetting interface in case of pressure pipeline breakthrough under the conditions of variable porosity. 2018, 15, 281-293.
41. Martyniuk, P.; Kuzlo, M.; Matus, S.; Tsvietkova, T.J.F.E.J.o.M.S. Mathematical model of nonisothermal moisture transference in the form of water and vapor in soils in the case of chemical internal erosion. 2017, 102, 3211-3221.
42. McMackin, P.M.; Griffin, S.R.; Riley, F.P.; Gulati, S.; Debono, N.E.; Raghunandan, A.; Lopez, J.M.; Hirs, A.H.J.n.M. Simulated microgravity in the ring-sheared drop. 2020, 6, 2.
43. Modi, F.; Gadani, D.; Rana, V.J.M.T.P. Study of variation of optical and physical properties of saline water solutions with temperature. 2021, 47, 656-660.
44. Najafi, A.; Siavashi, J.; Ebadi, M.; Orlov, D.; Sharifi, M.; Fahimpour, J.; Moraveji, M.K.; Koroteev, D.J.F. Using computational fluid dynamics to compute the pore-scale CO₂-brine relative permeability. 2023, 341, 127715.

45. Najim, A.J.C.E.; Technology. Productivity Prediction for the Progressive Freeze Desalination Process Using Heat and Mass Transfer Modeling. 2024, 47, 897-904.
46. Najim, A.J.I.J.o.T.S. Modelling of heat transfer for progressive freeze desalination utilizing the vertical freezing apparatus. 2023, 192, 108427.
47. Nydegger, M.; Bartlett, A.; Leverentz-Culp, H.R.J.J.o.C.E. Determining the Energy of Activation of a Salt, Water, and Alcohol Emulsion. 2020, 97, 3746-3750.
48. Oen, K. An Experimental Study of Potassium Formate as a Potential Gas Hydrate Inhibitor in a Vertical Pipe. NTNU, 2017.
49. Ortega, A.; Arenas, L.F.; Pijpers, J.J.; Vicencio, D.L.; Martínez, J.C.; Rodríguez, F.A.; Rivero, E.P.J.J.o.M.S. Modelling water dissociation, acid-base neutralization and ion transport in bipolar membranes for acid-base flow batteries. 2022, 641, 119899.
50. Ostrovsky, L.; Tsyuryupa, S.; Sarvazyan, A.J.A.A.u.w.A. Microsecond-range dynamics of tissues under the action of acoustic radiation force. 2018, 104, 259-268.
51. Ozaki, S.; Akl, C.A.; Nagino, T.; Hiroshiro, Y.J.W. Investigating effect of pumping ratio on effectiveness of barrier wells for saltwater intrusion: lab-scale experiments and numerical modeling. 2021, 13, 2100.
52. Ozaki, S.J.T. Effectiveness of Barrier Well by Pumping Ratio Control for Saltwater Intrusion: Lab-Scale Experiments and Numerical Modeling. 2021.
53. Qasem, N.A.; Generous, M.M.; Qureshi, B.A.; Zubair, S.M. Viscosity. In Thermodynamic and Thermophysical Properties of Saline Water: Models, Correlations and Data for Desalination and Relevant Applications; Springer: 2023; pp. 207-227.
54. Rui, D.; Pokrifka, G.F.; Moyle, A.M.; Harrington, J.Y.J.J.o.t.A.S. The Growth of Ice Crystals Formed from Frozen Solution Droplets: Laboratory Measurements and Power-Law Parameterization. 2025, 82, 775-788.
55. Sahu, P.; Krishnaswamy, S.; Ponnani, K.; Pande, N.K.J.D. A thermodynamic approach to selection of suitable hydrate formers for seawater desalination. 2018, 436, 144-151.
56. Sarvazyan, A.; Tsyuryupa, S. Potential biomedical applications of non-dissipative acoustic radiation force. In Proceedings of the Proceedings of Meetings on Acoustics, 2016.
57. Sayed, M.; Krishnamurthy, B.; Pal, H.J.J.o.M.L. Unraveling the salt induced modulation in the photophysical behavior of acridine orange dye on its interaction with natural DNA. 2021, 336, 116146.
58. Schnittger, J. The Treatment of Saline Solutions Utilizing Ceramic Membranes in Membrane Distillation Processes. 2022.
59. Schnittger, J.; McCutcheon, J.R.; Hoyer, T.; Weyd, M.; Voigt, I.; Lerch, A.J.D. Modified ceramic membranes for the treatment of highly saline mixtures utilized in vacuum membrane distillation. 2023, 567, 116943.
60. Shehram, M.J.J.o.E.S. Enhancing solar thermal energy storage efficiency to 90% with novel phase change materials PbSO₄-NaNO₃-NaCl/natural stones. 2025, 121, 116481.
61. Shinn, Y.J.; Lee, H.S.; Lee, Y.; Song, I.; Park, M.-H.J.I.J.o.G.G.C. 3D grid based screening process for large-scale CO₂ geological storage in Gunsan Basin, Yellow Sea, Korea. 2020, 99, 103062.
62. Sivamani, S.; Ehill, J.M.; Banerjee, S.; Vijayanand, M.J.B.o.t.C.S.o.E. Regression modelling for concentration dependent mass density and specific volume of aqueous surfactant solutions. 2023, 37, 1047-1054.
63. Sobreiro, P.H.; Sato, L.N.I.; Gut, J.A.W.J.J.o.F.P.E. Model food for microwave-assisted pasteurization of fruit juices and nectars at 915 and 2,450 MHz. 2018, 41, e12858.
64. Stamatiou, A.; Müller, L.; Zimmermann, R.; Hillis, J.; Oliver, D.; Fisher, K.; Zaglio, M.; Worlitschek, J.J.E. Experimental characterization of phase change materials for refrigeration processes. 2021, 14, 3033.
65. Szymiczek, J.; Szczotka, K.; Banaś, M.; Jura, P.J.E. Efficiency of a Compressor Heat Pump System in Different Cycle Designs: A Simulation Study for Low-Enthalpy Geothermal Resources. 2022, 15, 5546.
66. Tan, F.; Qiu, D.-Y.; Guo, L.-P.; Ye, P.; Zeng, H.; Jiang, J.; Tang, Y.; Zhang, Y.-C.J.A.A. Separate density and viscosity measurements of unknown liquid using quartz crystal microbalance. 2016, 6.

67. Tang, L.; Ding, G.; Song, S.; Wang, H.; Xie, W.; Zhou, Y.; Song, Z.; Xie, C.; Song, H.J.W. Effect of confining pressure on CO₂-brine relative permeability characteristics of sandstone in Ordos Basin. 2023, 15, 4235.
68. Uzi, A.; Halevy, G.B.; Levy, A.J.P.T. CFD-DEM modeling of soluble NaCl particles conveyed in brine. 2020, 360, 1278-1294.
69. Wanyan, Q.; Li, K.; Bai, S.; Wu, J.; Zhu, S.; Liu, J.; Wang, Z.; Liu, J.; Liu, G.; Chen, X.J.G.S.; et al. Leaching simulation of horizontal salt cavern energy storage in bedded salt considering the dissolution of “inactive segment”. 2025, 249, 213784.
70. Wasesa, M.; Hidayat, T.; Andariesta, D.T.; Natha, M.G.; Attazahri, A.K.; Afrianto, M.A.; Mubarak, M.Z.; Zulhan, Z.; Putro, U.S.J.J.o.C.P. Economic and environmental assessments of an integrated lithium-ion battery waste recycling supply chain: A hybrid simulation approach. 2022, 379, 134625.
71. Xu, H.; Sun, Y.; Kingsbury, R.S.; Coronell, O.; Liu, F.; Zhang, Y.J.D. Unveiling the role of membrane properties in water and salt transport and performance of a concentration gradient battery. 2024, 581, 117599.
72. Yue, X.; Ma, X.; Li, H.; Qu, N.J.T.I.J.o.A.M.T. Distribution of the electric field and flow field in rotary sinking electrochemical milling with one-sided constraint. 2022, 121, 459-469.
73. Yue, X.; Qu, N.J.T.I.J.o.A.M.T. Optimization of side outlet holes in rotary sinking electrochemical milling of Ti₆Al₄V through the simulation of electric and flow fields. 2024, 132, 3593-3603.
- Zhan, L.; Matsushima, J.J.G. Rock-physics modeling of ultrasonic P-and S-wave attenuation in partially frozen brine and unconsolidated sand systems and comparison with laboratory measurements. 2019, 84, MR153-MR171.
74. Zhu, S.; Ling, D.; Liu, J.; Wang, Z.; Gao, W.; Azhar, M.U.; Chen, Y.; Zhan, L.; Xu, W.; Li, J.J.R.; et al. Construction prediction of horizontal energy storage salt caverns using a novel concentration-field model. 2025, 216, 115583.

2. N. Platon, A.M. Roşu , V.A. Aruş, D.I. Nistor, I. Siminiceanu, 2013 . <i>Chemically modified clays used for environmental quality</i> , Journal of Engineering Studies and Research, Volume 19, Issue No.4, pages:52-58, ISSN 2068-7559	(10/5)*9=18
--	-------------

Citat în următoarele articole ISI (exclus autocitări)

1. Bangar, S. P., Ilyas, R. A., Chowdhury, A., Navaf, M., Sunooj, K. V., & Siroha, A. K. (2023). Bentonite clay as a nanofiller for food packaging applications. Trends in Food Science & Technology, 142, 104242.
2. Al-Kindi, G. Y., & Al-Haidri, H. A. (2021). The removal of ibuprofen drugs residues from municipal wastewater by Moringa Oleifera Seeds. Journal of Ecological Engineering, 22(1), 83-94.
3. Al-Kindi, G. Y., & Alnasrawy, S. T. (2022). Tetracycline remove from synthetic wastewater by using several methods. Journal of Ecological Engineering, 23(5).
4. Al Kindi, G. Y., Gomaa, G. F., & Abd Ulkareem, F. A. (2020). Combined adsorbent best (chemical and natural) coagulation process for removing some heavy metals from wastewater. International Journal of Environmental Science and Technology, 17(7), 3431-3448.
5. Golubeva, O. Y., Shamova, O. V., Yakovlev, A. V., & Zharkova, M. S. (2016). Synthesis and study of the biologically active lysozyme–silver nanoparticles–montmorillonite K10 complexes. Glass physics and Chemistry, 42, 87-94.
6. Al-Kindi, G. Y., Ani, F. H. A., Al-Bidri, N. K., & Alhaidri, H. A. (2021, June). Diclofenac removal from wastewater by activated carbon. In IOP Conference Series: Earth and Environmental Science (Vol. 779, No. 1, p. 012091). IOP Publishing.
7. Ondriš, L., Hutníková, M., Popovič, L., Peidayesh, H., & Fričová, O. (2024, January). XRD and DMA study of thermoplastic starch-based nanocomposites. In AIP Conference Proceedings (Vol. 3054, No. 1). AIP Publishing.
8. Al Kindi, G. Y., & Ani, F. A. (2019, July). A comparison of Al-Fe pillared Iraqi clays for Catalytic wet air oxidation. In IOP Conference Series: Materials Science and Engineering (Vol. 579, No. 1, p. 012045). IOP Publishing.

9. Atiya, M. A., Hassan, A. K., & Kadhim, F. Q. (2021). Green synthesis of copper nanoparticles using tea leaves extract to remove ciprofloxacin (CIP) from aqueous media. *Iraqi Journal of Science*, 2832-2854.

3.A.M. Roşu, E. Veignie, G. Surpateanu, G. Brabie, D.N. Miron, C. Rafin, 2013.
Synthesis of alkylated potato starch derivatives and their potential in the aqueous solubilization of benzo[a]pyrene, Carbohydrate polymers, Volume 83, Issue 4, 1 February 2011, Pages 1486-1491, ISSN: 0144-8617. **(10/6)*24=40**

Citat în următoarele articole ISI (exclus autocitări)

1. Watcharakitti, J., Win, E. E., Nimnuan, J., & Smith, S. M. (2022). Modified starch-based adhesives: A review. *Polymers*, 14(10), 2023.
2. Liu, X. L., Zhu, C. F., Liu, H. C., & Zhu, J. M. (2022). Quantitative analysis of degree of substitution/molar substitution of etherified polysaccharide derivatives. *Designed Monomers and Polymers*, 25(1), 75-88.
3. Zhang, H., Bai, Y., Zhou, W., & Chen, F. (2017). Color reduction of sulfonated eucalyptus kraft lignin. *International journal of biological macromolecules*, 97, 201-208.
4. Khoso, S. A., Hu, Y., Liu, R., Tian, M., Sun, W., Gao, Y., ... & Gao, Z. (2019). Selective depression of pyrite with a novel functionally modified biopolymer in a Cu-Fe flotation system. *Minerals Engineering*, 135, 55-63.
5. Song, Y., Zhang, F., Yu, R., Zheng, H., & Wang, P. (2023). Acylated pectin/gelatin-based films incorporated with alkylated starch crystals: Characterization, antioxidant and antibacterial activities, and coating preservation effects on golden pomfret. *International Journal of Biological Macromolecules*, 241, 124532.
6. Šoltýs, A., Hronský, V., Šmídová, N., Olčák, D., Ivanič, F., & Chodák, I. (2019). Solid-state ¹H and ¹³C NMR of corn starch plasticized with glycerol and urea. *European Polymer Journal*, 117, 19-27.
7. Xie, Y., & Yao, Y. (2018). Octenylsuccinate hydroxypropyl phytoglycogen enhances the solubility and in-vitro antitumor efficacy of niclosamide. *International journal of pharmaceutics*, 535(1-2), 157-163.
8. Haroon, M., Wang, L., Yu, H., Ullah, R. S., Khan, R. U., Chen, Q., & Liu, J. (2018). Synthesis of carboxymethyl starch-g-polyvinylpyrrolidones and their properties for the adsorption of Rhodamine 6G and ammonia. *Carbohydrate polymers*, 186, 150-158.
9. Hopa, D. Y., & Fatehi, P. (2020). Using sulfobutylated and sulfomethylated lignin as dispersant for kaolin suspension. *Polymers*, 12(9), 2046.
10. Qiu, X., Zeng, W., Yu, W., Xue, Y., Pang, Y., Li, X., & Li, Y. (2015). Alkyl chain cross-linked sulfobutylated lignosulfonate: a highly efficient dispersant for carbendazim suspension concentrate. *ACS Sustainable Chemistry & Engineering*, 3(7), 1551-1557.
11. Haroon, M., Yu, H., Wang, L., Ullah, R. S., Haq, F., & Teng, L. (2019). Synthesis and characterization of carboxymethyl starch-g-polyacrylic acids and their properties as adsorbents for ammonia and phenol. *International Journal of Biological Macromolecules*, 138, 349-358.
12. Farzin, S., Johnson, T. J., Chatterjee, S., Zamani, E., & Dishari, S. K. (2020). Ionomers from kraft lignin for renewable energy applications. *Frontiers in Chemistry*, 8, 690.
13. Xie, Y., & Yao, Y. (2020). Preparation and characterization of a solid dispersion containing curcumin and octenylsuccinate hydroxypropyl phytoglycogen for improved curcumin solubility. *European journal of pharmaceutical sciences*, 153, 105462.
14. Rutkaitė, R., Baranauskienė, R., Pečiulytė, L., Pukalskienė, M., & Venskutonis, P. R. (2016). Preparation and properties of propylene oxide and octenylsuccinic anhydride modified potato starches. *Journal of food science and technology*, 53, 4187-4196.
15. Qiu, X., Zeng, W., Liang, W., Xue, Y., Hong, N., & Li, Y. (2016). Sulfobutylated lignosulfonate with ultrahigh sulfonation degree and its dispersion property in low-rank coal-water slurry. *Journal of Dispersion Science and Technology*, 37(4), 472-478.

16. Xie, Y., & Yao, Y. (2019). Incorporation with dendrimer-like biopolymer leads to improved soluble amount and in vitro anticancer efficacy of paclitaxel. *Journal of pharmaceutical sciences*, 108(6), 1984-1990.
17. Li, Y., Wu, Y., Zeng, W., Li, Y., Xu, L., Qiu, X., ... & Huang, W. (2016). Improving efficiency of blue organic light-emitting diode with sulfobutylated lignin doped PEDOT as anode buffer layer. *ACS Sustainable Chemistry & Engineering*, 4(4), 2004-2011.
18. Ou-ya, Z., Sheng-dong, F., Hai-bin, J., Xue-na, Z., Shi, W., Wang, W., ... & Yu-ling, L. (2018). Biodegradation of high molecular weight polycyclic aromatic hydrocarbons mixture by a newly isolated *Fusarium* sp. and co-metabolic degradation with starch. *Polycyclic Aromatic Compounds*, 38(1), 32-41.
19. Watcharakitti, J., Win, E. E., Nimnuan, J., & Smith, S. M. (2022). Modified Starch-Based Adhesives: A Review. *Polymers* 2022, 14, 2023.
20. Sirviö, J. A., & Heiskanen, J. P. (2019). Carbamation of starch with amine using dimethyl carbonate as coupling agent. *ACS omega*, 4(13), 15702-15710.
21. Haq, F., Yu, H., Wang, Y., Wang, L., Mehmood, S., Haroon, M., ... & Shen, D. (2021). Synthesis of succinylated starches and their application as adsorbents for the removal of phenol. *Journal of Polymers and the Environment*, 29, 2676-2685.
22. Domingos, D. G., Dalari, B. L. S. K., de Lima Vielmo, A. S., Schallemburger, J. B., & de Oliveira, D. C. (2020). Extração e caracterização de amido de diferentes fontes vegetais: Uma alternativa para materiais biodegradáveis a base de amido. *Processos Químicos e Biotecnológicos Volume 6*, 21.
23. Delsarte, I., Danjou, P. E., Veignie, E., & Rafin, C. (2016). Synthesis of modified potato starches for aqueous solubilization of benzo [a] pyrene. *Carbohydrate Polymers*, 144, 83-88.
24. Farzin, S. (2022). Understanding Ion Conducting Polymeric Materials at Nanoscale for Renewable Energy Applications.

4. Hortolomeu A., Mirila D.C., Georgescu A.M., **Rosu A.M.**, Scutaru Y., Nedeff F.M., Sturza R., Nistor I. D. *, **2023**, *Retention of Phthalates in Wine Using Nanomaterials as Chemically Modified Clays with H2O, H3O, H4O Boltron Dendrimers*, *Nanomaterials*, ISSN: 2079-4991, 13 (16), 2301; **(10/8)*3=3,75**
<https://doi.org/10.3390/nano13162301> (FI2023 = 5,3)

Citat în următoarele articole ISI (exclus autocitări)

1. Maragou, N. C., Tzachristas, A., Tsochatzis, E. D., & Thomaidis, N. S. (2024). Chemical Migration from Wine Contact Materials. *Applied Sciences*, 14(15), 6507.
2. Iannone, A., Di Fiore, C., Carriera, F., Avino, P., & Stillitano, V. (2024). Phthalates: The Main Issue in Quality Control in the Beverage Industry. *Separations*, 11(5), 133.
3. Luchian, C. E., Codreanu, M., Scutarușu, E. C., Colibaba, L. C., & Cotea, V. (2024). Impact of Nanomaterials on Wine Quality: A Focus of Siliceous, Aluminosiliceous, and Carbon-Based Nanomaterials on the Phenolic Fraction of Wine.

5.D.C. Mirilă, M. Ș. Pîrvan, **A.M. Roșu**, V. Zichil, I.D. Nistor, **2018**. Activated adsorption on clay of micropollutants from paper printing industry, *Scientific Study And Research-Chemistry And Chemical Engineering Biotechnology Food Industry*, Volume: 19, Issue: 1, Pages: 063-072 **(10/5)*6=30**

Citat în următoarele articole ISI (exclus autocitări)

1. Mirilă, D. C., Boudissa, F., Beltrao-Nuñes, A. P., Platon, N., Didi, M. A., Nistor, I. D., Azzouz, A. (2020). Organic dye ozonation catalyzed by chemically modified montmorillonite K10–Role of surface basicity and hydrophilic character. *Ozone: science & engineering*, 42(6), 517-530.
2. Rathore, A., & Devra, V. (2022). Single-step green synthesis of iron nanoparticles in the aqueous phase for catalytic application in degradation of malachite green. *Advanced Energy Conversion Materials*, 16-29.
3. El Hajam, M., Kandri, N. I., Harrach, A., & Zerouale, A. (2019). Adsorptive removal of brilliant green dye from aqueous solutions using cedar and mahogany sawdusts. *Scientific Study & Research. Chemistry & Chemical Engineering, Biotechnology, Food Industry*, 20(3), 395-409.
4. Harif, S., Aboulhassan, M. A., & Bammou, L. (2021). Overview of wastewater characteristics of cardboard industry. *Scientific Study & Research. Chemistry & Chemical Engineering, Biotechnology, Food Industry*, 22(1), 1-11.
5. Muntianu, G., Simion, A. I., Grigoraș, C. G., Platon, N., Nistor, I. D., & Jinescu, G. H. E. O. R. G. H. I. Ț. A. (2021). Aluminum pillared bentonite–characterization and synthesis optimization by response surface methodology. *Stud. Univ. Babes-Bolyai Chem*, 66, 73-88.
6. MIRILĂ, D. C., & NISTOR, D. I. (2021). Oxidative study of Acid Yellow 23 using K10-Montmorillonite chemically modified. *Technical Sciences*, 6(2), 159-174.

6.A.M. Roșu, C. Rafin, G. Surpateanu, G. Brabie, D.N. Miron, E. Veignie, **2011**. Synthesis and evaluation of hydroxypropylated potato starch as polymeric support for benzo[a]pyrene degradation by Fenton reaction, *Carbohydrate Polymers*, Volume 93, Issue 1, 1 March 2013, Pages 184-190, ISSN: 0144-8617. **(10/6)*4=6,66**

Citat în următoarele articole ISI (exclus autocitări)

1. Qiu, C., Hu, Y., Jin, Z., McClements, D. J., Qin, Y., Xu, X., & Wang, J. (2019). A review of green techniques for the synthesis of size-controlled starch-based nanoparticles and their applications as nanodelivery systems. *Trends in Food Science & Technology*, 92, 138-151.
2. Veignie, E., Vinogradov, E., Sadovskaya, I., Coulon, C., & Rafin, C. (2012). Preliminary characterizations of a carbohydrate from the concentrated culture filtrate from *Fusarium solani* and its role in benzo [a] pyrene solubilization. *Advances in Microbiology*, 2(03), 375.
3. Delsarte, I., Delattre, F., Rafin, C., & Veignie, E. (2018). Investigations of benzo [a] pyrene encapsulation and Fenton degradation by starch nanoparticles. *Carbohydrate Polymers*, 186, 344-349.
4. Delsarte, I., Danjou, P. E., Veignie, E., & Rafin, C. (2016). Synthesis of modified potato starches for aqueous solubilization of benzo [a] pyrene. *Carbohydrate Polymers*, 144, 83-88.

7. Arus V.A., Nistor I.D., Platon N., **Roșu A.M.**, Muntianu G., Jinescu, C., **2015**. Statistical modelling and optimization of lactic acid fermentation in the presence of anionic clay and ultrasonic field, *Revista de Chimie*, Volume 66, Issue 1, Pages 88-91, **(10/6)*5=8,33**

Citat în următoarele articole ISI (exclus autocitări)

1. Hadj-Abdelkader, N. E. H., Beltrao-Nunes, A. P., Belkhadem, F., Benselka, N., Roy, R., & Azzouz, A. (2020). New insights in MgAl and MgFe-LDH affinity towards carbon dioxide–role of the hydrophilic character on CO₂ retention strength. *Applied Clay Science*, 198, 105829.
2. Hadj-Abdelkader, N. E. H., Abdellah, B., Ghandour, Z., Nunes-Beltrao, A. P., Belkhadem, F., Roy,

- R., & Azzouz, A. (2019). NiTiFe and NiTiZn LDHs with affinity for hydrogen–Role of the surface basicity. *international journal of hydrogen energy*, 44(16), 7934-7942.
3. Beltrao-Nunes, A. P., Belkhadem, F., Benselka, N., Roy, R., & Azzouz, A. New insights in MgAl and MgFe-LDH affinity towards carbon dioxide–role of the hydrophilic character on CO₂ retention strength. *ratio*, 3(M2), M3.
 4. Parvulescu, O. C., Al Janabi, A. A., & DOBRE, T. (2016). Rheological characterization of cellulose and cellulose/TEOS solutions. *University Politehnica Of Bucharest Scientific Bulletin Series B-Chemistry And Materials Science*, 78(4), 91-100.
 5. YUWONO, S. D., SIMANJUNTAK, W., FITRIANI, T. K., & HADI, S. Semicontinuous Fermentation of Cassava by *Streptococcus bovis* Using Membrane Bioreactor to Produce Lactic Acid.

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| <p>8. G. Muntianu, N. Platon, V.A. Aruș, A.M. Roșu, D.I. Nistor, G. Jinescu, 2013. <i>Hydrodynamic study of clay particles in fluidized bed</i>, <i>Journal of Engineering Studies and Research</i>, , Volume 19, Issue No.2, pages 70-81, ISSN 2068-7559</p> | <p>(10/6)*5=8,33</p> |
|---|-----------------------------|

Citat în următoarele articole ISI (exclus autocitări)

1. Hanein, T., Thienel, K. C., Zunino, F., Marsh, A. T., Maier, M., Wang, B., ... & Martirena-Hernandez, F. (2022). Clay calcination technology: state-of-the-art review by the RILEM TC 282-CCL. *Materials and Structures*, 55(1), 3.
2. Muntianu, G., Nistor, I. D., Mirilă, D. C., Georgescu, A. M., Aruș, V. A., Platon, N., & Jinescu, C. (2024). ELECTROMAGNETIC FIELD APPLICATION IN FLUIDIZATION OF METALLIC PARTICLES. *Scientific Study & Research. Chemistry & Chemical Engineering, Biotechnology, Food Industry*, 25(4), 439-454.
3. Muntianu, G., Platon, N., Mardaru, A., Nistor, I. D., Miron, N. D., & Jinescu, G. (2015). Use of modified clays obtained by pillaring in gas purification. *Univ. Politeh. Buchar. Sci. Bull. Ser. B—Chem. Mater. Sci*, 77, 151-164.
4. Wiranata, I. M. A., Winaya, I. N. S., & Komaladewi, A. S. (2017). Studi Eksperimental Komposisi Campuran Arang Tempurung Kelapa (Char) dengan Bed Material Tanah Liat Pada Dual Reaktor Fluidized Bed. *Jurnal Ilmiah TEKNIK DESAIN MEKANIKA*, 6.

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|---|-----------------------------|
| <p>9. Diana-Carmen, Mirila, Raducanu Dumitra, Georgescu Ana-Maria, Rosu Ana-Maria, Ciubotariu Vlad Andrei, Zichil Valentin, and Nistor Ileana- Denisa. 2022. <i>Silver Nanoparticles Incorporated on Natural Clay as an Inhibitor against the New ISO SS Bacteria Isolated from Sewage Sludge, Involved in Malachite Green Dye Oxidation</i>, Molecules 27, no. 18: 5791. https://doi.org/10.3390/molecules27185791 (FI2022=4,6) WOS:000858816700001</p> | <p>(10/7)*5=7,14</p> |
|---|-----------------------------|

Citat în următoarele articole ISI (exclus autocitări)

1. Gil-Korilis, A., Cojocaru, M., Berzosa, M., Gamazo, C., Andrade, N. J., & Ciuffi, K. J. (2023). Comparison of antibacterial activity and cytotoxicity of silver nanoparticles and silver-loaded montmorillonite and saponite. *Applied Clay Science*, 240, 106968.
2. Singh, K. R., & Poluri, K. M. (2023). Facile synthesis and physicochemical characterization of κ-Carrageenan-silver-bentonite based nanocatalytic platform for efficient degradation of anionic azo dyes. *Environmental Research*, 231, 116145.
3. Abu-Zurayk, R., Alnairat, N., Bozeya, A., Khalaf, A., & Abu-Dalo, D. (2024). Enhanced properties of PVDF membranes using green Ag-nanoclay composite nanoarchitectonics. *Materials Research Express*, 11(4), 045007.
4. Kolya, H., & Kang, C. W. (2022). Biogenic synthesis of silver-iron oxide nanoparticles using kulekhara leaves extract for removing crystal violet and malachite green dyes from water. *Sustainability*, 14(23), 15800.

5. ZHOU, X., CHENG, H., SHI, Y., CHEN, F., WANG, Y., WANG, Y., & YANG, L. (2023). Research Progress on Bentonite Modification and Its Application in Slow Release Pesticide Carriers. PLANT HEALTH AND MEDICINE, (3), 31-40.

10. A.M. Roșu, D.I. Nistor, N.D. Miron, M.I. Popa, R. M. Cojocaru, 2012.
Ultrasound-assisted extraction of photosynthetic pigments from dried dill (Anethum Graveolens), Food and Environment Safety - Journal of Faculty of Food Engineering, Ștefan cel Mare University – Suceava, Volume XI, Issue 4, p. 5-9, ISSN: 2068-6609

(10/5)*2=4

Citat în următoarele articole ISI (exclus autocitări)

1. Israsena Na Ayudhya, T., Posey, F. T., Tyus, J. C., & Dingra, N. N. (2015). Using a microscale approach to rapidly separate and characterize three photosynthetic pigment species from fern. Journal of Chemical Education, 92(5), 920-923.
2. Brnčić, M., & Šic Žlabur, J. (2019). Impact of ultrasound on food constituents. Effect of Emerging Processing Methods on the Food Quality: Advantages and Challenges, 69-94.

11. Andreea Hortolomeu, Diana Carmen Mirila, Ana-Maria Rosu, Florin Marian Nedeff, Iuri Scutaru, Dorel Ureche, Rodica Sturza, Adriana- Luminita Fînar, Ileana Denisa Nistor, Chemically Modified Clay Adsorbents Used in the Retention of Protein and Polyphenolic Compounds from Sauvignon Blanc White Wine, Nanomaterials, ISSN: 2079-4991, 2024, 14, 588. <https://doi.org/10.3390/nano14070588>, (FI2024=5,3) WOS:001200958100001

(10/9)*1=1,11

Citat în următoarele articole ISI (exclus autocitări)

1. Beeler, N., Hühn, T., Rohn, S., & Colombi, R. (2024). Concentrating Cocoa Polyphenols—Clarification of an Aqueous Cocoa Extract by Protein Precipitation and Filtration. Membranes, 14(11), 242.

12. Popa Olga, Ana-Maria Rosu*, Daniela Nicuta, Roxana Elena Voicu, Valentin Zichil, and Ileana Denisa Nistor. 2022. „Factorial Design to Stimulate Biomass Development with Chemically Modified Starch” Applied Sciences 12, no. 19: 10069. <https://doi.org/10.3390/app121910069>, (FI2022=2,7) WOS:000866633400001

(10/6)*1=1,66

Citat în următoarele articole ISI (exclus autocitări)

1. Alavianghavanini, A., Shayesteh, H., Bahri, P. A., Vadiveloo, A., & Moheimani, N. R. (2024). Microalgae cultivation for treating agricultural effluent and producing value-added products. Science of The Total Environment, 912, 169369.

13. Olga Popa, Andrei-Vlad Ciubotariu, Cosmin Constantin Grigoraș, Ana- Maria Roșu*, Valentin Zichil, 2022, Sudy regarding the influence of corrosive agents on the surface of metallic material like steel, Journal of Engineering Studies and Research, Vol. 28, Nr 2, Pag 92-99.

(10/5)*1=2

Citat în următoarele articole ISI (exclus autocitări)

1. Muntianu, G., Nistor, I. D., Mirilă, D. C., Georgescu, A. M., Aruș, V. A., Platon, N., & Jinescu, C. (2024). Electromagnetic field application in fluidization of metallic particles. Scientific Study & Research. Chemistry & Chemical Engineering, Biotechnology, Food Industry, 25(4), 439-454.

14. A.M. Roșu, C.G. Grigoras, C. Rafin, E. Veignie, 2017. A green chemical approach of corn starch modification for innovative solutions in adsorption of polycyclic aromatic hydrocarbons, Scientific Study And Research-Chemistry And Chemical Engineering Biotechnology Food Industry, Volume: 18, Issue: 1, Pages: 097-100 (FI=0) WOS:000396720500010

(10/4)*1=2,5

Citat în următoarele articole ISI (exclus autocitări)

1. Yazid, N. S. M., Abdullah, N., Muhammad, N., & Matias-Peralta, H. M. (2018). Application of starch and starch-based products in food industry. Journal of Science and Technology, 10(2).

TOTAL Criteriu 3.1. 318,48 puncte

3.2. citări în articole indexate BDI

Nu este cazul

3.3. Prezentări invitate în plenul unor manifestări științifice naționale și internaționale și Profesor invitat (exclus POS, ERASMUS)

3.3.1. Internaționale

Profesor invitat la Universite du Littoral Cote-d'Opale de Dunkerque, Franța

20

3.3.2 în țară

Nu este cazul

TOTAL Criteriu 3.3. 20 puncte

3.4. Membru în colectivele de redacție sau comitete științifice ale revistelor și manifestărilor științifice, organizator de manifestări științifice

Nu este cazul

3.5. Recenzor pentru reviste și manifestări științifice naționale și internaționale indexate ISI

3.5.1 indexate ISI

- Recenzor pentru reviste:

Agriculture - ISSN: 2077-0472

Applied Sciences - ISSN: 2076-3417

Polymers - ISSN: 2073-4360

Polysaccharides - ISSN: 2673-4176

Sustainability - ISSN: 2071-1050

Forests - ISSN: 1999-4907

Processes - ISSN: 2227-9717

Agronomy - ISSN: 2073-4395

10*8=80

3.5.2 indexate BDI

- Recenzor pentru reviste:

Journal of Engineering Studies and Research

Scientific Studies & Research. Series Biology/Studii si Cercetari Stiintifice. Seria Biologie

8*2=16

3.5. Referent în comisii de doctorat

Nu e cazul

TOTAL Criteriu 3.5. 96 puncte

3.6. Premii

3.6.1 Academia Română

-

3.6.2 ASAS, AOSR, academii de ramură și CNCS

3 premii CNCSIS

3*15=45

3.6.3 premii internaționale

-Director / responsabil -Bursă doctorală de excelență „Eiffel” acordată de Ministerul Afacerilor Externe (Dosar nr. 690572B - Competiție internațională - 2011)
 -Bursă postdoctorală de excelență acordată de Institutul Francez – Competiție internațională – 2015

10*2=20

3.6.4. premii naționale în domeniu

Premiile obținute pentru proiectul „*Novel Inhibitor and Catalyst: Silver Nanoparticles on Natural Clay Targeting ISO SS Bacteria from Sewage Sludge and Malachite Green Dye Oxidation*”, în cadrul salonului EURO POLITEHNICUS 2024, International Innovation and Invention Show, 1st Edition, 2024.

- **Medalia de aur** de la EURO Politehnicus - International Innovation & Invention Show.
- **Medalie de aur** de la Universitatea „Dunărea de Jos” din Galați.
- **Medalie 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.
- **CUPA și Diplomă 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.
- **Certificat de excelență** de la Universitatea „Constantin Brâncuși” din Târgu Jiu, Technology Transfer Center CTT-UCB. 6. Premiu 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.

5*14=70

Premiile obținute pentru proiectul „*Innovative Retention of Phthalates in Wine Using Newly Developed Nanomaterials*”, în cadrul salonului EURO POLITEHNICUS 2024, International Innovation and Invention Show, 1st Edition, 2024.

- **Medalia de aur** de la EURO Politehnicus International Innovation & Invention Show.

Salonul Internațional InventCor 2025, ediția a VI-a

- **Medalie de Aur și Premiu Special Trofeu** pentru proiectul „New Organic Digestive Biscuits with Rare Black Mulberry Addition and Delightful Jelly”, realizat de Georgescu Ana-Maria, Muntianu Gabriela, Roșu Ana-Maria, Mirilă Diana Carmen, Moroi Alina-Mihaela, Vartolomei Nicoleta, Nistor Ileana Denisa, Lehăduș-Panainte Mirela;
- **Medalie de Aur** pentru proiectul „Yogurt with the Organic Rosehip Powder Addition”, realizată de Vartolomei Nicoleta, Aruș Vasilica Alisa, Tănase Simina, Platon Nicoleta, Georgescu Ana-Maria, Muntianu Gabriela, Nistor Ileana Denisa, Turtoi Maria;
- **Medalie de Aur** pentru proiectul „Artisanal Biscuits with the Organic Rosehip Powder Addition”, realizată de Moroi Ana-Maria, Vartolomei Nicoleta, Tănăsă Simina, Roșu Ana-Maria, Mirilă Diana Carmen, Tomozei Claudia, Lehăduș-Panainte Mirela.

Pentru proiectul „New Organic Digestive Biscuits with Rare Black Mulberry Addition

and Delightful Jelly”, realizat de Georgescu Ana-Maria, Muntianu Gabriela, Roșu Ana-Maria, Mirilă Diana Carmen, Moroi Alina-Mihaela, Vartolomei Nicoleta, Nistor Ileana Denisa, Lehăduș-Panainte Mirela:

- **Medalie de Aur** acordată de International Center for Research and Development IRAQ.
- **Medalie de Aur și Premiu Special** pentru aceeași lucrare, acordat de Universitatea „Constantin Brâncuși” din Târgu Jiu.
- **Medalie de Argint** acordată de Association of Inventors and Innovators UPI CIB Serbia.

Pentru proiectul „Artisanal Biscuits with the Organic Rosehip Powder Addition”, realizată de Moroi Alina-Mihaela, Vartolomei Nicoleta, Tănasă Simina, Roșu Ana-Maria, Mirilă Diana Carmen, Tomozei Claudia, Lehăduș-Panainte Mirela:

- **Medalie de Argint** acordată de Research and Development Center HEALTHY VIBE Holistic Treatment.
- **Medalie de Argint** acordată de Association IDEA Club 13 Ungaria.

TOTAL Criteriu 3.6.	135 puncte
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3.7 Membru în academii, organizații, asociații profesionale de prestigiu, naționale și internaționale, apartenență la organizații din domeniul educației și cercetării

3.7.1 Academia Română

Nu e cazul

3.3.1. ASAS, AOSR și academii de ramură

Nu e cazul

3.7.3 Conducere asociații profesionale

Nu e cazul

3.7.4 Asociații profesionale

3.7.4.1. internaționale

European Association for Chemical and Molecular Sciences,
European Biotechnology Network,
European Federation of Biotechnology (EFB)
Association of Environmental Engineering,

5*4=20

3.7.4.2 naționale

Asociații culturale ÎMPREUNĂ
Asociații culturale ALBIA;
Societatea de Chimie;
Asociația Specialiștilor din Industria Alimentară din România;
Asociația Română de Mediu;
Organizația pentru Protecția Consumatorului;

3*6=18

3.7.5 Consilii și organizații în domeniul educației și cercetării**Conducere****Director economic** - Centru de cercetare Științe Inginerești Aplicate**10****Membru****Nu e cazul****TOTAL Criteriu 3.7. 48 puncte**

PUNCTAJ TOTAL CRITERIU A3		Îndeplinit	Minim
		617,48	40
		puncte	puncte

*Punctajul minim din grila CNATDCU este de profesor pentru profesori și de conferențiar universitar pentru celelalte grade didactice.

Nr.crt.	Domeniul de activitate	Condiții conferențiar grilă CNATCU	Condiții realizate	Punctaj comisie
1.	Activitatea didactică/profesională (A1)	Minimum 50 puncte	290,2 puncte	
2.	Activitatea de cercetare (A2)	Minimum 130 puncte	424,38 puncte	
3.	Recunoașterea și impactul activității (A3)	Minimum 40 puncte	617,48 puncte	
TOTAL		Minimum 220 puncte	1332,06 puncte	

Data completării

15.12.2025

Semnătura

Ș.l.dr.ing.habil. Ana-Maria ROȘU

COMISIA DE EXAMEN

PREȘEDINTE: _____

Membri:
