

FACULTATEA DE TEHNOLOGIA PETROLULUI ȘI PETROCHIMIE
DEPARTAMENTUL CHIMIE

Examen de promovare în cariera didactică pe postul de PROFESOR, poz. 5

Disciplinele postului: ANALIZA POLUANȚILOR, SENZORI ELECTROCHIMICI ION-SELECTIVI ȘI
TEHNICI ELECTROANALITICE MODERNE**Domeniul INGINERIA MEDIULUI****FIȘA DE VERIFICARE**a îndeplinirii standardelor universității de prezentare la examenul de promovare în cariera didactică pe postul de
profesor universitar**1. Studiile de doctorat**

Instituția organizatoare de doctorat	Domeniul	Perioada	Nr. Diplomă / Data
Universitatea Petrol-Gaze din Ploiești	CHIMIE	2009-2012	3250/20.02.2013

2. Adeverință eliberată de compartimentul de specialitate din UPG Ploiești care dovedește vechimea minimă de 9 ani a candidatului în calitate de cadru didactic în învățământul superior în cadrul UPG Ploiești.

Adeverinta nr 10775/13.05.2025

3. Îndeplinirea cerințelor standardelor minime naționale, specifice domeniului postului – se va atașa Fișa de calcul a îndeplinirii standardelor minime conform OMENCS Nr. 6129 / 20.12.2016.**FIȘA DE VERIFICARE**A ÎNDEPLINIRII STANDARDELOR UNIVERSITĂȚII DE PREZENTARE LA EXAMENUL DE
PROMOVARE ÎN CARIERA DIDACTICĂ PE POSTUL DE **PROFESOR UNIVERSITAR**

Standarde minime necesare și obligatorii	Minim prevăzut	Realizat
Număr total de articole în reviste ISI (NT)	$NT \geq 25$	37
Număr total de articole în reviste ISI la care candidatul este autor principal (prim autor sau autor de corespondență) (NP) Număr lucrări în reviste cu FI>1, NP (cu FI>1)	$NP \geq 10$	18
	$NP \text{ (cu FI} > 1) \geq 6$	8
Factorului de impact, FIC (articole în reviste cotate ISI+brevete)	$FIC \geq 20$	40.692
Numărul total de citări (din baza SCOPUS sau ISI WEB OF SCIENCE, excluzându-se autocitările)	$NC \geq 100$	190 (SCOPUS)

NUMĂR TOTAL ARTICOLE ISI (NT)

Nr. crt.	Articol	FI / (valabil la momentul depunerii dosarului)	FI* (valabil la momentul publicării)
1	Calin, C. , Vasile, G., Bombos, D., Pele, M., Lupu, F., Modification of Macronutrients and Copper Content from Soil Before and After Phytosanitary Treatments in Vineyard from Tohani-Dealul Mare, Revista de Chimie, 2011, 62(10), p. 1042-1045, ISSN 0034-7752, WOS:000296933300018 http://bch.ro/pdfRC/CALIN%20C.pdf%2010%2011.pdf	0	0.599
2	Calin, C. , Scaeteanu, G., Pele, M., Ilie, L., Pantea, O., Bombos, D., Assessment of Copper Content in Wines from Tohani-Dealul Mare by Flame Atomic Absorption Spectrometry, Revista de Chimie, 2012, 63(10), p. 1062-1064, ISSN 0034-7752, WOS:000311927200018, https://revistadechimie.ro/Articles.asp?ID=3474	0	0.538

3.	Lupu, F., Gheorghe, CG., Pantea, O., Calin, C. , Biotreatment of the Oil Pollutants, Revista de Chimie, 2013, 64(2), p.210-212, ISSN 0034-7752, WOS:000315756400021, https://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.1087.9422&rep=rep1&type=pdf	0	0.677
4.	Calin, C. , Scaeteanu, G., Pantea, O., Ilie, L., Bondarev, A., Mihai, S., Influence of Dithiocarbamates used for Phytosanitary Treatments on the Microelement Contents from Vineyard Soil in Tohani Region of Romania, Revista de Chimie, 2014, 65(4), p. 497-501, WOS:000338605100023, ISSN 0034-7752 https://revistadechimie.ro/Articles.asp?ID=4041	0	0.81
5.	Madjar, RM., Scaeteanu, GV., Mihalache, M., Calin, C. , Dan, VS., Peticila, A., Nutrition Intensity in Ternary Diagrams Interpretation for Some Ornamental Species Cultivated on Organic Substrate with Increased Biological Activity, NOTULAE BOTANICAE HORTI AGROBOTANICI CLUJ-NAPOCA, 2014, 42(2), p. 573-578, ISSN 0255-965X https://doi.org/10.15835/nbha4229575	1.4	
6.	Ilie, L., Scaeteanu, GV., Mihalache, M., Madjar, RM., Calin, C. , Assessment of Metal Contents in Soil after Sewage Sludge Treatments Associated or not with Mineral Fertilization, Revista de Chimie, 2014, 65(12), p. 1485-1489, ISSN 0034-7752, WOS:000345946400018, https://revistadechimie.ro/Articles.asp?ID=4339	0	0.81
7.	Grigore, E., Pantea, O., Bombos, D., Calin, C. , Bondarev, A., Gheorghe, C., Effect of Inhibitors based Amine Derivates on Some Carbon Steel Corrosion, Revista de Chimie, 2015, 66(5), p. 685-690, ISSN 0034-7752, WOS:000355126000018, https://revistadechimie.ro/Articles.asp?ID=4499	0	0.956
8.	Stancu, A., Calin, C. , Pantea, O., Ene, C., Identification of Correlations Between Chemical Substances and Sensory Characteristics of Feteasca Alba via Bravais-Pearson Coefficient, Revista de Chimie, 2015, 66(6), p. 778-783, ISSN 0034-7752, WOS:000357403600005, https://revistadechimie.ro/Articles.asp?ID=4518	0	0.956
9.	Mihalache, M., Ilie, L., Madjar, RM., Calin, C. , Scaeteanu, GV., Effect of Sewage Sludge Amended Soil on Mineral Nutrition and Metal Accumulation on Sunflower Crop, Revista de Chimie, 2015, 66(7), p. 951-957, ISSN 0034-7752, WOS:000359179900007, https://revistadechimie.ro/Articles.asp?ID=4556	0	0.956
10.	Nicolescu, F., Lupu, F., Pantea, O., Gheorghe, CG., Bondarev, A., Calin, C. , Toxicity Study of Benzene, Toluene and Xylene (BTX) at Exposure on Some Experimental Groups, Revista de Chimie, 2015, 66(8), p. 1181-1183, ISSN 0034-7752, WOS:000361124600022, http://bch.ro/pdfRC/NICOLESCU%20F.pdf%208%2015.pdf	0	0.956
11.	Peticila, AG., Madjar, R., Scaeteanu, GV., Calin, C. , Rooting Evaluation for Green Cuttings at Actinidia Sp under Rhizogene Hormonal Treatments, ROMANIAN BIOTECHNOLOGICAL LETTERS, 2016, 21(1), p. 11160-11165, ISSN 1224-5984, WOS:000371434300010, https://www.rombio.eu/vol21nr1/10A4.pdf	0	0.396
12.	Radu E., Stoica, R., Calin, C. , Oprescu E.-E., Bolocan, I., Ion, I., Ion, C.A., Validation of a RP-HPLC-UV method for the determination of bisphenol a at low levels in natural mineral water, Rev.Chim., 2016, 67, 2, 236-240, ISSN 0034-7752, WOS:000372170700007, https://www.revistadechimie.ro/Articles.asp?ID=4849	0	1.232
13.	Bondarev, A., Pantea, O., Mihai, S., Calin, C. , Gheorghe, CG., Removal of Cadmium from Aqueous Solutions Using Low Cost Sorbents, Revista de Chimie, 2016, 67(4), p.728-733, ISSN 0034-7752, WOS:000376549200029, http://bch.ro/pdfRC/BONDAREV%20A%204%2016.pdf	0	1.232
14.	Cangea, O., Calin, C. , Popa, C., Pantea, O., Radu, E., Estimating the Selectivity Coefficient of Cl-ISE using Polynomial Regression, Revista de Chimie, 2016, 67(8), p. 1613-1617, ISSN 0034-7752, WOS:000384514200043, https://www.revistadechimie.ro/Articles.asp?ID=5151	0	1.232
15.	Mihai, O., Calin, C. , Marinescu, C., Natu, N., Pantea, O., Matei, D., The Adsorption Study of the Cyanides Using Solid Adsorbents, Revista de Chimie, 2016, 67(8), p. 1594-1598, WOS:000384514200040, ISSN 0034-7752, https://revistadechimie.ro/Articles.asp?ID=5148	0	1.232
16.	Scaeteanu, GV., Madjar, RM., Calin, C. , Peticila, AG., Pantea, O., Impact of Soil Properties on Variability of Iron Content in Wines from Tohani Vineyard, Revista de	0	1.232

	Chimie, 2016, 67(9), p. 1751-1757,. ISSN 0034-7752, WOS:000385266600021, https://revistadechimie.ro/Articles.asp?ID=5181		
17	Neagu, M., Popovici, DR., Dutescu, CM., Calin, C. , Adsorption of p-Cresol by Mesoporous Activated Carbon I. Kinetics studies and data modeling, Revista de Chimie, 2017, 68(1), p139-142,. ISSN 0034-7752, WOS:000395499200030, https://doi.org/10.37358/RC.17.1.5406	0	1.412
18.	Neagu, M., Popovici, DR., Vijan, LE., Calin, C. , Adsorption of p-Cresol by Mesoporous Activated Carbon II. Mechanism studies and data modeling, Revista de Chimie, 2017, 68(3), p. 496-499,. ISSN 0034-7752 WOS:000400731900015, https://doi.org/10.37358/RC.17.3.5486	0	1.412
19.	Calin, C. , Scaeteanu, GV., Madjar, RM., Cangea, O., Influence of Applied Phytosanitary Treatments and Climatic Crop Year on Zinc Content in Wines from Tohani Vineyard, Revista de Chimie, 2017, 68(9), p. 2092-2097,. ISSN 0034-7752, WOS:000416748800031, https://doi.org/10.37358/RC.17.9.5830	0	1.412
20.	Radu, E., Oprescu, E.-E., Enascuta, C.E., Calin, C. , Stoica, R., Scaeteanu, G.V., Vasilievici, G., Capra, L., Ivan, G., Ion, A.C., Kinetic adsorption of humic acids mixture obtained from microalgae on exfoliated graphite nanoplatelets, Revista de Chimie, 2018, 69(1), p.191-195, ISSN 0034-7752, WOS:000425369600040, https://doi.org/10.37358/RC.18.1.6072	0	1.605
21.	Ilie, L., Mihalache, M., Madjar, RM., Calin, C. , Scaeteanu, GV., Effect of Sewage Sludge Amended Soil on Maize Crop I. Influence on yield and mineral nutrition, Revista de Chimie, 2018,. 69(3), p. 561-566, ISSN 0034-7752 WOS:000430946500006, https://doi.org/10.37358/RC.18.3.6149	0	1.605
22.	Emanuela C.E., Stepan E., Bolocan I., Bombos D., Calin C. , Oprescu E.-E., Vasile L., Simultaneous production of oil enriched in ω -3 polyunsaturated fatty acids and biodiesel from fish wastes, Waste Management, 2018, 75, p.205-214, ISSN: 0956053X https://doi.org/10.1016/j.wasman.2018.01.022	7.1	
23.	Grigoriu, N., Calin, C. , Scaeteanu, GV., Madjar, RM., Lungu, RM., Epure, G., Monitoring the breakdown of Dinocap in spiked soil, wine and grape samples by GC/MS and FTIR/ATR, Environmental Engineering and Management Journal, 2018, 17(9), p. 2179-2188, ISSN 1582-9596 http://dx.doi.org/10.30638/eemj.2018.216	0.9	
24	Georgescu, V., Bombos, M., Calin, C. , Bombos, D, Physico - Chemical and Morphologic Structural Characterization of the Red Mud Obtained in the Romanian Alumina Plant, Revista de Chimie, 2019, 70(2), p. 565-570, ISSN 0034-7752, WOS:000461982200041 https://doi.org/10.37358/RC.19.2.6956	0	1.755
25	Bombos, M., Oprescu, E.E., Calin, C. , Vasilievici, G., Velea, S., Bombos, D. Slow pyrolysis of biomass in acidic or metallic catalysis, Revista de Chimie, 2019, 70(9), p.3148-3151, WOS:000489958900012, ISSN 0034-7752 https://doi.org/10.37358/RC.19.9.7505	0	1.755
26	Doukeh, R., Bombos, D., Bombos, M., Oprescu, E.-E., Dumitrascu, G., Vasilievici, G., Calin, C. Catalytic hydrotreating of bio-oil and evaluation of main noxious emissions of gaseous phase, Scientific Reports, 2021, 11(1), p. 6179, ISSN 2045-2322 https://doi.org/10.1038/s41598-021-85244-z	3.8	
27	Oprescu, E.-E., Enascuta C.-E., Doukeh, R., Calin, C. , Lavric, V., Characterizing and using a new bi-functional catalyst to sustainably synthesize methyl levulinate from biomass carbohydrates, Renewable Energy, 176, 2021, 176, p. 651-662, ISSN 0960-1481 https://doi.org/10.1016/j.renene.2021.05.120	9.0	
28.	Calin C. , Leostean C., Trifoi Ancuta, Oprescu E.-E., Wiita E, Banu I., Mutual inhibition effect of sulfur compounds in the hydrodesulfurization of thiophene, 2-ethylthiophene and benzothiophene ternary mixture, Scientific Reports, 2021, 11(1), p. 6176 ISSN 2045-2322 https://doi.org/10.1038/s41598-021-98552-1	3.8	
29.	Bondarev, A., Popovici, DR., Calin, C. , Mihai, S., Sîrbu, EE., Doukeh, R., Black Tea Waste as Green Adsorbent for Nitrate Removal from Aqueous Solutions, MATERIALS, 2023, 16(12), p.4285, ISSN 1996-1944	3.1	

	https://doi.org/10.3390/ma16124285		
30.	Gheorghe, V., Gheorghe, CG., Popovici, DR., Mihai, S., Calin, C. , Sarbu, EE., Doukeh, R., Grigoriu, N., Toader, CN., Epure, C., Matei, V., Synthesis, Purity Check, Hydrolysis and Removal of o-Chlorobenzyliden Malononitrile (CBM) by Biological Selective Media, TOXICS, 2023, 11(8), p.672, ISSN 2305-6304 https://doi.org/10.3390/toxics11080672	3.9	
31.	Mihai, S., Bondarev, A., Calin, C. , Sirbu, EE., Adsorbent Biomaterials Based on Natural Clays and Orange Peel Waste for the Removal of Anionic Dyes from Water, PROCESSES, 2024, 12(5), p.1032, ISSN 2227-9717 https://doi.org/10.3390/pr12051032	2.8	
32	Portoaca, A., Dinita, A., Tanase, M., Savulescu, A., Sirbu, EE., Calin, C. , Branoiu, G., Analyzing Sustainable 3D Printing Processes: Mechanical, Thermal, and Crystallographic Insights, POLYMERS, 2024, 16(10), 1364, ISSN 2073-4360 https://doi.org/10.3390/polym16101364	4.7	
33.	Calin C. , Dinita, A., Branoiu, G., Popovici DR., Tanase, M., Sirbu, EE., Portoaca, A., Mihai S., Assessment of Environmental Impact of Glass-Fiber-Reinforced Polymer Pipes Mechanical and Thermal Properties, POLYMERS, 2024, 16(13), p. 1779, ISSN 2073-4360; https://doi.org/10.3390/polym16131779	4.7	
34.	Madjar R.M., Călin C. , (Vasile) Scăteanu G., Sirbu E-E., Grigoriu N., Metal Chelator Effect Of Glyphosate Application In Soil On Micronutrients Availability, AgroLife Scientific Journal - Volume 13, Number 1, 2024, ISSN 2285-5718; ISSN; https://doi.org/10.17930/AGL2024114	0.6	
35.	Sîrbu EE, Dinita, A., Tanase, M., Portoaca, A., Bondarev A., Enascuta C.E., Calin C. , Influence of Plasticizers Concentration on Thermal, Mechanical, and Physicochemical Properties on Starch Films, Processes 2024, 12(9), 2021; https://doi.org/10.3390/pr12092021	2.8	
36.	Călin, C. , Sîrbu, E.-E., Tănase, M., György, R., Popovici, D.R., Banu, I., A Thermogravimetric Analysis of Biomass Conversion to Biochar: Experimental and Kinetic Modeling, Applied Sciences, 2024, 14; https://doi.org/10.3390/app14219856 ;	2.5	
37.	Maria Tănase, Alin Diniță, Daniela Roxana Popovici *, Alexandra-Ileana Portoacă, Cătălina Călin * , Elena-Emilia Sirbu, Comprehensive Bibliometric Review on the Sustainability and Environmental Impact of Fiber-Reinforced Polymers, Fibers, 2024 12(12), 104; https://doi.org/10.3390/fib12120104	4.0	
*Doar pentru revistele care nu mai au FI la momentul depunerii dosarului			

NT = 37

NUMĂR ARTICOLE ÎN REVISTE ISI CA AUTOR PRINCIPAL (PRIM AUTOR SAU AUTOR DE CORRESPONDENȚĂ) (NP)

Nr.crt.	ARTICOL	OBSERVAȚII	FI (valabil la momentul depunerii dosarului)	FI >1
1.	Calin, C. , Vasile, G., Bombos, D., Pele, M., Lupu, F., Modification of Macronutrients and Copper Content from Soil Before and After Phytosanitary Treatments in Vineyard from Tohani-Dealul Mare, Revista de Chimie , 2011, 62(10), p. 1042-1045, ISSN 0034-7752 http://bch.ro/pdfRC/CALIN%20C.pdf%2010%2011.pdf	prim autor	0	NU
2.	Calin, C. , Scaeteanu, G., Pele, M., Ilie, L., Pantea, O., Bombos, D., Assessment of Copper Content in Wines from Tohani-Dealul Mare by Flame Atomic Absorption Spectrometry, Revista de Chimie , 2012, 63(10), p. 1062-1064, ISSN 0034-7752 https://revistadechimie.ro/Articles.asp?ID=3474	prim autor	0	NU
3.	Calin, C. , Scaeteanu, G., Pantea, O., Ilie, L., Bondarev, A., Mihai, S., .Influence of Dithiocarbamates used for Phytosanitary Treatments on the Microelement Contents from	prim autor	0	NU

	Vineyard Soil in Tohani Region of Romania, Revista de Chimie , 2014, 65(4), p. 497-501, ISSN 0034-7752 https://revistadechimie.ro/Articles.asp?ID=4041			
4.	Grigore, E., Pantea, O., Bombos, D., Calin, C. , Bondarev, A., Gheorghe, C., Effect of Inhibitors based Amine Derivates on Some Carbon Steel Corrosion, Revista de Chimie , 2015, 66(5), p. 685-690, ISSN 0034-7752 https://revistadechimie.ro/Articles.asp?ID=4499	autor de corespondență	0	NU
5.	Stancu, A., Calin, C. , Pantea, O., Ene, C., Identification of Correlations Between Chemical Substances and Sensory Characteristics of Feteasca Alba via Bravais-Pearson Coefficient, Revista de Chimie , 2015, 66(6), p. 778-783, ISSN 0034-7752 https://revistadechimie.ro/Articles.asp?ID=4518	autor de corespondență	0	NU
6.	Cangea, O., Calin, C. , Popa, C., Pantea, O., Radu, E., Estimating the Selectivity Coefficient of Cl-ISE using Polynomial Regression, Revista de Chimie , 2016, 67(8), p. 1613-1617, ISSN 0034-7752 https://www.revistadechimie.ro/Articles.asp?ID=5151	autor de corespondență	0	NU
7.	Mihai, O., Calin, C. , Marinescu, C., Natu, N., Pantea, O., Matei, D., The Adsorption Study of the Cyanides Using Solid Adsorbents, Revista de Chimie , 2016, 67(8), p. 1594-1598, ISSN 0034-7752 https://revistadechimie.ro/Articles.asp?ID=5148	autor de corespondență	0	NU
8.	Scaeteanu, GV., Madjar, RM., Calin, C. , Peticila, AG., Pantea, O., Impact of Soil Properties on Variability of Iron Content in Wines from Tohani Vineyard, Revista de Chimie , 2016, 67(9), p. 1751-1757, ISSN 0034-7752 https://revistadechimie.ro/Articles.asp?ID=5181	autor de corespondență	0	NU
9.	Calin, C. , Scaeteanu, GV., Madjar, RM., Cangea, O., Influence of Applied Phytosanitary Treatments and Climatic Crop Year on Zinc Content in Wines from Tohani Vineyard, Revista de Chimie , 2017, 68(9), p. 2092-2097, ISSN 0034-7752 https://doi.org/10.37358/RC.17.9.5830	prim autor	0	NU
10.	Grigoriu, N., Calin, C. , Scaeteanu, GV., Madjar, RM., Lungu, RM., Epure, G., Monitoring the breakdown of Dinocap in spiked soil, wine and grape samples by GC/MS and FTIR/ATR, Environmental Engineering and Management Journal , 2018, 17(9), p. 2179-2188, ISSN1582-9596 http://dx.doi.org/10.30638/eemj.2018.216	autor de corespondență	0.9	NU
11.	Doukeh, R., Bombos, D., Bombos, M., Oprescu, E.-E., Dumitrascu, G., Vasilievici, G., Calin, C. Catalytic hydrotreating of bio-oil and evaluation of main noxious emissions of gaseous phase, Scientific Reports , 2021, 11(1), p. 6179, ISSN 2045-2322 https://doi.org/10.1038/s41598-021-85244-z	autor de corespondență	3.8	DA
12.	Oprescu, E.-E., Enascuta C.-E., Doukeh, R., Calin, C. , Lavric, V., Characterizing and using a new bi-functional catalyst to sustainably synthesize methyl levulinate from biomass carbohydrates, Renewable Energy , 176, 2021, 176, p. 651-662, ISSN 0960-1481 https://doi.org/10.1016/j.renene.2021.05.120	autor de corespondență	9.0	DA
13.	Calin C. , Leostean C., Trifoi Ancuta, Oprescu E.-E., Wiita E, Banu I., Mutual inhibition effect of sulfur compounds in the hydrodesulfurization of thiophene, 2-ethylthiophene and benzothiophene ternary mixture, Scientific Reports , 2021, 11(1), p. 6176 ISSN 2045-2322, https://doi.org/10.1038/s41598-021-98552-1	prim autor	3.8	DA

14.	Bondarev, A., Popovici, DR., Calin, C. , Mihai, S., Sîrbu, EE., Doukeh, R., Black Tea Waste as Green Adsorbent for Nitrate Removal from Aqueous Solutions, MATERIALS , 2023, 16(12), p.4285, ISSN 1996-1944, https://doi.org/10.3390/ma16124285	autor de corespondență	3.1	DA
15.	Calin C. , Dinita, A., Branoiu, G., Popovici DR., Tanase, M., Sîrbu, EE., Portoaca, A., Mihai S., Assessment of Environmental Impact of Glass-Fiber-Reinforced Polymer Pipes Mechanical and Thermal Properties, POLYMERS , 2024, 16(13), p. 1779, ISSN 2073-4360; https://doi.org/10.3390/polym16131779	prim autor	4.7	DA
16.	Sîrbu EE, Dinita, A., Tanase, M., Portoaca, A., Bondarev A., Enascuta C.E., Calin C. , Influence of Plasticizers Concentration on Thermal, Mechanical, and Physicochemical Properties on Starch Films, Processes 2024, 12(9), 2021; https://doi.org/10.3390/pr12092021	autor de corespondență	2.8	DA
17	Călin, C. , Sîrbu, E.-E., Tănase, M., György, R., Popovici, D.R., Banu, I., A Thermogravimetric Analysis of Biomass Conversion to Biochar: Experimental and Kinetic Modeling, Applied Sciences, 2024, 14; https://doi.org/10.3390/app14219856 ;	prim autor	2.5	DA
18	Maria Tănase, Alin Diniță, Daniela Roxana Popovici *, Alexandra-Ileana Portoacă, Cătălina Călin * , Elena-Emilia Sîrbu, Comprehensive Bibliometric Review on the Sustainability and Environmental Impact of Fiber-Reinforced Polymers, Fibers, 2024 12(12), 104; https://doi.org/10.3390/fib12120104	autor de corespondență	4.0	DA

NP =18 (DIN CARE 8 CU FI > 1)

FIȘĂ DE CALCUL A FACTORULUI DE IMPACT (FIC)

Nr. crt.	ARTICOL	FI (valabil la momentul depunerii dosarului)	AUTOR PRINCIPAL (prim autor sau autor de corespondență)	NR. AUTORI	FI/ NR. AUTORI
1	Calin, C. , Vasile, G., Bombos, D., Pele, M., Lupu, F., Modification of Macronutrients and Copper Content from Soil Before and After Phytosanitary Treatments in Vineyard from Tohani-Dealul Mare, Revista de Chimie , 2011, 62(10), p. 1042-1045, ISSN 0034-7752 http://bch.ro/pdfRC/CALIN%20C.pdf%2010%2011.pdf	0	DA	5	0
2.	Calin, C. , Scaeteanu, G., Pele, M., Ilie, L., Pantea, O., Bombos, D., Assessment of Copper Content in Wines from Tohani-Dealul Mare by Flame Atomic Absorption Spectrometry, Revista de Chimie , 2012, 63(10), p. 1062-1064, ISSN 0034-7752 https://revistadechimie.ro/Articles.asp?ID=3474	0	DA	6	0
3.	Lupu, F., Gheorghe, CG., Pantea, O., Calin, C. , Biotreatment of the Oil Pollutants, Revista de Chimie , 2013, 64(2), p.210-212, ISSN 0034-7752 https://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.1087.9422&rep=rep1&type=pdf	0	NU	4	0
4.	Calin, C. , Scaeteanu, G., Pantea, O., Ilie, L., Bondarev, A., Mihai, S., .Influence of Dithiocarbamates used for Phytosanitary	0	DA	6	0

	Treatments on the Microelement Contents from Vineyard Soil in Tohani Region of Romania, Revista de Chimie , 2014, 65(4), p. 497-501, ISSN 0034-7752 https://revistadechimie.ro/Articles.asp?ID=4041				
5.	Madjar, RM., Scaeteanu, GV., Mihalache, M., Calin, C. , Dan, VS., Peticila, A., Nutrition Intensity in Ternary Diagrams Interpretation for Some Ornamental Species Cultivated on Organic Substrate with Increased Biological Activity, NOTULAE BOTANICAE HORTI AGROBOTANICI CLUJ-NAPOCA , 2014, 42(2), p. 573-578, ISSN 0255-965X https://doi.org/10.15835/nbha4229575	1.4	DA	6	0.233
6.	Ilie, L., Scaeteanu, GV., Mihalache, M., Madjar, RM., Calin, C. , Assessment of Metal Contents in Soil after Sewage Sludge Treatments Associated or not with Mineral Fertilization, Revista de Chimie , 2014, 65(12), p. 1485-1489, ISSN 0034-7752 https://revistadechimie.ro/Articles.asp?ID=4339	0	NU	5	0
7.	Grigore, E., Pantea, O., Bombos, D., Calin, C. , Bondarev, A., Gheorghe, C., Effect of Inhibitors based Amine Derivates on Some Carbon Steel Corrosion, Revista de Chimie , 2015, 66(5), p. 685-690, ISSN 0034-7752 https://revistadechimie.ro/Articles.asp?ID=4499	0	DA	6	0
8.	Stancu, A., Calin, C. , Pantea, O., Ene, C., Identification of Correlations Between Chemical Substances and Sensory Characteristics of Feteasca Alba via Bravais-Pearson Coefficient, Revista de Chimie , 2015, 66(6), p. 778-783, ISSN 0034-7752 https://revistadechimie.ro/Articles.asp?ID=4518	0	DA	4	0
9.	Mihalache, M., Ilie, L., Madjar, RM., Calin, C. , Scaeteanu, GV., .Effect of Sewage Sludge Amended Soil on Mineral Nutrition and Metal Accumulation on Sunflower Crop, Revista de Chimie , 2015, 66(7), p. 951-957, ISSN 0034-7752 https://revistadechimie.ro/Articles.asp?ID=4556	0	NU	5	0
10.	Nicolescu, F., Lupu, F., Pantea, O., Gheorghe, CG., Bondarev, A., Calin, C. , Toxicity Study of Benzene, Toluene and Xylene (BTX) at Exposure on Some Experimental Groups, Revista de Chimie , 2015, 66(8), p. 1181-1183, ISSN 0034-7752 http://bch.ro/pdfRC/NICOLESCU%20F.pdf%208%2015.pdf	0	NU	6	0
11.	Peticila, AG., Madjar, R., Scaeteanu, GV., Calin, C. , Rooting Evaluation for Green Cuttings at Actinidia Sp under Rhizogene Hormonal Treatments, ROMANIAN BIOTECHNOLOGICAL LETTERS , 2016, 21(1), p. 11160-11165, ISSN 1224-5984 https://www.rombio.eu/vol21nr1/10A4.pdf	0	NU	4	0
12.	Radu E., Stoica, R., Calin, C. , Oprescu E.-E., Bolocan, I., Ion, I., Ion, C.A/ Validation of a RP-HPLC-UV method for the determination of bisphenol a at low levels in natural mineral water,	0	NU	7	0

	Rev.Chim., 2016, 67, 2, 236-240, ISSN 0034-7752 https://www.revistadechimie.ro/Articles.asp?ID=4849				
13.	Bondarev, A., Pantea, O., Mihai, S., Calin, C. , Gheorghe, CG., Removal of Cadmium from Aqueous Solutions Using Low Cost Sorbents, Revista de Chimie, 2016, 67(4), p. 728-733, ISSN 0034-7752 http://bch.ro/pdfRC/BONDAREV%20A%204%2016.pdf	0	NU	5	0
14.	Cangea, O., Calin, C. , Popa, C., Pantea, O., Radu, E., Estimating the Selectivity Coefficient of Cl-ISE using Polynomial Regression, Revista de Chimie, 2016, 67(8), p. 1613-1617, ISSN 0034-7752 https://www.revistadechimie.ro/Articles.asp?ID=5151	0	DA	5	0
15.	Mihai, O., Calin, C. , Marinescu, C., Natu, N., Pantea, O., Matei, D., The Adsorption Study of the Cyanides Using Solid Adsorbents, Revista de Chimie, 2016, 67(8), p. 1594-1598, ISSN 0034-7752 https://revistadechimie.ro/Articles.asp?ID=5148	0	DA	6	0
16.	Scaeteanu, GV., Madjar, RM., Calin, C. , Peticila, AG., Pantea, O., Impact of Soil Properties on Variability of Iron Content in Wines from Tohani Vineyard, Revista de Chimie, 2016, 67(9), p. 1751-1757, ISSN 0034-7752 https://revistadechimie.ro/Articles.asp?ID=5181	0	DA	5	0
17.	Neagu, M., Popovici, DR., Dutescu, CM., Calin, C. , Adsorption of p-Cresol by Mesoporous Activated Carbon I. Kinetics studies and data modeling, Revista de Chimie, 2017, 68(1), p139-142, ISSN 0034-7752 https://doi.org/10.37358/RC.17.1.5406	0	NU	4	0
18.	Neagu, M., Popovici, DR., Vijan, LE., Calin, C. , Adsorption of p-Cresol by Mesoporous Activated Carbon II. Mechanism studies and data modeling, Revista de Chimie, 2017, 68(3), p. 496-499, ISSN 0034-7752 https://doi.org/10.37358/RC.17.3.5486	0	NU	4	0
19.	Calin, C. , Scaeteanu, GV., Madjar, RM., Cangea, O., Influence of Applied Phytosanitary Treatments and Climatic Crop Year on Zinc Content in Wines from Tohani Vineyard, Revista de Chimie, 2017, 68(9), p. 2092-2097, ISSN 0034-7752 https://doi.org/10.37358/RC.17.9.5830	0	DA	4	0
20.	Radu, E., Oprea, E.-E., Enascuta, C.E., Calin, C. , Stoica, R., Scaeteanu, G.V., Vasilievici, G., Capra, L., Ivan, G., Ion, A.C., Kinetic adsorption of humic acids mixture obtained from microalgae on exfoliated graphite nanoplatelets, Revista de Chimie, 2018, 69(1), p.191-195, ISSN 0034-7752 https://doi.org/10.37358/RC.18.1.6072	0	NU	10	0

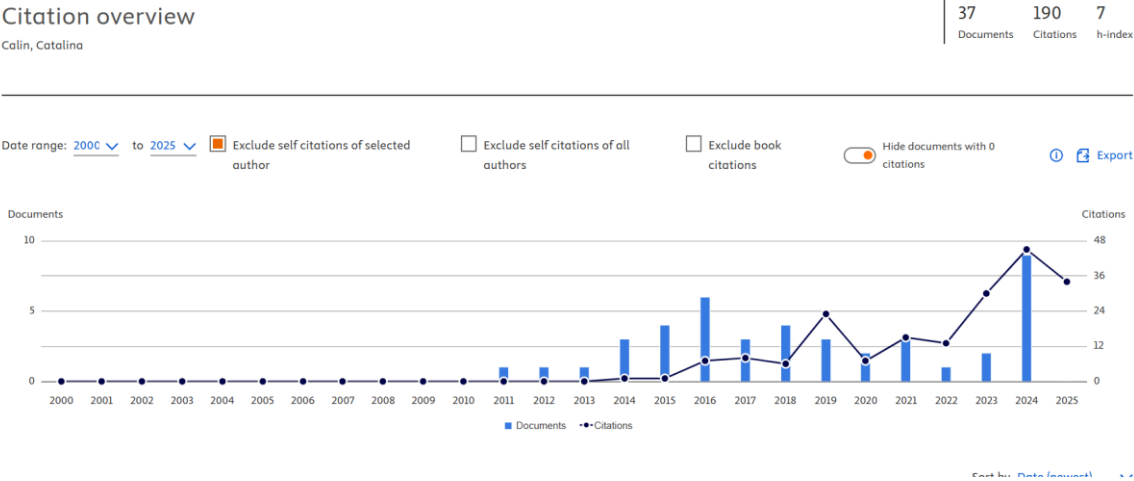
21.	Ilie, L., Mihalache, M., Madjar, RM., Calin, C. , Scaeteanu, GV., Effect of Sewage Sludge Amended Soil on Maize Crop I. Influence on yield and mineral nutrition, Revista de Chimie , 2018,. 69(3), p. 561-566, ISSN 0034-7752 https://doi.org/10.37358/RC.18.3.6149	0	NU	5	0
22.	Emanuela C.E., Stepan E., Bolocan I., Bombos D., Calin C. , Oprescu E.-E., Vasile L., Simultaneous production of oil enriched in ω -3 polyunsaturated fatty acids and biodiesel from fish wastes, Waste Management , 2018, 75, p.205-214, ISSN: 0956053X https://doi.org/10.1016/j.wasman.2018.01.022	7.1	NU	7	1.014
23.	Grigoriu, N., Calin, C. , Scaeteanu, GV., Madjar, RM., Lungu, RM., Epure, G., Monitoring the breakdown of Dinocap in spiked soil, wine and grape samples by GC/MS and FTIR/ATR, Environmental Engineering and Management Journal , 2018, 17(9), p. 2179-2188, ISSN 1582-9596 http://dx.doi.org/10.30638/eemj.2018.216	0.9	DA	6	0.9
24.	Georgescu, V., Bombos, M., Calin, C. , Bombos, D, Physico - Chemical and Morphologic Structural Characterization of the Red Mud Obtained in the Romanian Alumina Plant, Revista de Chimie , 2019, 70(2), p. 565-570, ISSN 0034-7752 https://doi.org/10.37358/RC.19.2.6956	0	NU	4	0
25.	Bombos, M., Oprescu, E.E., Calin, C. , Vasilievici, G., Velea, S., Bombos, D. Slow pyrolysis of biomass in acidic or metallic catalysis, Revista de Chimie , 2019, 70(9), p.3148-3151, ISSN 0034-7752 https://doi.org/10.37358/RC.19.9.7505	0	NU	6	0
26.	Doukeh, R., Bombos, D., Bombos, M., Oprescu, E.-E., Dumitrascu, G., Vasilievici, G., Calin, C. Catalytic hydrotreating of bio-oil and evaluation of main noxious emissions of gaseous phase, Scientific Reports , 2021, 11(1), p. 6179, ISSN 2045-2322 https://doi.org/10.1038/s41598-021-85244-z	3.8	DA	7	3.8
27.	Oprescu, E.-E., Enascuta C.-E., Doukeh, R., Calin, C. , Lavric, V., Characterizing and using a new bi-functional catalyst to sustainably synthesize methyl levulinate from biomass carbohydrates, Renewable Energy , 176, 2021, 176, p. 651-662, ISSN 0960-1481 https://doi.org/10.1016/j.renene.2021.05.120	9.0	DA	5	9.0
28	Calin C. , Leostean C., Trifoi Ancuta, Oprescu E.-E, Wiita E, Banu I., Mutual inhibition effect of sulfur compounds in the hydrosulfurization of thiophene, 2-ethylthiophene and benzothiophene ternary mixture, Scientific Reports , 2021, 11(1), p. 6176 ISSN 2045-2322 https://doi.org/10.1038/s41598-021-98552-1	3.8	DA	6	3.8
29.	Bondarev, A., Popovici, DR., Calin, C. , Mihai, S., Sirbu, EE., Doukeh, R., Black Tea Waste as Green Adsorbent for Nitrate Removal from Aqueous Solutions, MATERIALS , 2023, 16(12), p.4285, ISSN 1996-1944	3.1	DA	6	3.1

	https://doi.org/10.3390/ma16124285				
30.	Gheorghe, V., Gheorghe, CG., Popovici, DR., Mihai, S., Calin, C. , Sarbu, EE., Doukeh, R., Grigoriu, N., Toader, CN., Epure, C., Matei, V., Synthesis, Purity Check, Hydrolysis and Removal of o-Chlorobenzyliden Malononitrile (CBM) by Biological Selective Media, TOXICS , 2023, 11(8), p.672, ISSN 2305-6304 https://doi.org/10.3390/toxics11080672	3.9	NU	11	0.354
31.	Mihai, S., Bondarev, A., Calin, C. , Sirbu, EE., Adsorbent Biomaterials Based on Natural Clays and Orange Peel Waste for the Removal of Anionic Dyes from Water, PROCESSES , 2024, 12(5), p.1032, ISSN 2227-9717 https://doi.org/10.3390/pr12051032	2.8	NU	4	0.7
32.	Portoaca, A., Dinita, A., Tanase, M., Savulescu, A., Sirbu, EE., Calin, C. , Branoiu, G., Analyzing Sustainable 3D Printing Processes: Mechanical, Thermal, and Crystallographic Insights, POLYMERS , 2024, 16(10), 1364, ISSN 2073-4360 https://doi.org/10.3390/polym16101364	4.7	NU	7	0.671
33.	Calin C. , Dinita, A., Branoiu, G., Popovici DR., Tanase, M., Sirbu, EE., Portoaca, A., Mihai S., Assessment of Environmental Impact of Glass-Fiber-Reinforced Polymer Pipes Mechanical and Thermal Properties, POLYMERS , 2024, 16(13), p. 1779, ISSN 2073-4360; https://doi.org/10.3390/polym16131779	4.7	DA	8	4.7
34.	Madjar R.M., Călin C. , (Vasile) Scăețeanu G., Sirbu E-E., Grigoriu N., Metal Chelator Effect Of Glyphosate Application In Soil On Micronutrients Availability, AgroLife Scientific Journal - Volume 13, Number 1, 2024, ISSN 2285-5718; ISSN	0.6	NU	5	0.11
35	Sîrbu EE, Dinita, A., Tanase, M., Portoaca, A., Bondarev A., Enascuta C.E., Calin C. , Influence of Plasticizers Concentration on Thermal, Mechanical, and Physicochemical Properties on Starch Films, Processes 2024, 12(9), 2021; https://doi.org/10.3390/pr12092021	2.8	DA	7	2.8
36	Călin, C., Sîrbu, E.-E., Tănase, M., György, R., Popovici, D.R., Banu, I., A Thermogravimetric Analysis of Biomass Conversion to Biochar: Experimental and Kinetic Modeling, Applied Sciences , 2024, 14; https://doi.org/10.3390/app14219856 ;	2.5	DA	6	2.5
37	Maria Tănase, Alin Diniță, Daniela Roxana Popovici *, Alexandra-Ileana Portoacă, Cătălina Călin *, Elena-Emilia Sirbu, Comprehensive Bibliometric Review on the Sustainability and Environmental Impact of Fiber-Reinforced Polymers, Fibers , 2024 12(12), 104; https://doi.org/10.3390/fib12120104	4.0	DA	6	4.0
FIC - factor de impact cumulat (suma factorilor de impact ale revistelor la momentul depunerii dosarului)					37.692

Nr. crt.	Brevetul, autorii, titlul brevetului, instituția care l-a acordat, țara în care se află instituția, data acordării brevetului.	Tipul brevetului (național/internațional)	Număr autori	Factorul de impact al brevetului	Factorul de impact ce revine candidatului
1	Osim, Nr. 819/29.11.2019, Velea S., Bombos M., Doukeh R., Vasilievici G., Bombos D., Oprescu E.-E., Calin C. , Catalizator pe bază de Mo și procedeu de piroliză lentă a biomasei pe acest catalizator	național	7	1	1.00
2	Osim, Nr. 134216/29.11.2024, Calin Catalina , Bombos Dorin, Oprescu Emilia, SC Atica Chemicals SRL, Procedeu de obtinere a acizilor humici.	național	4	1	1.00
3	Osim Nr. 135717/28.03.2025, Bombos Dorin, Bombos Mariana Mihaela, Calin Catalina , Oprescu Elena Emilia, Velea Sanda, Vasilievici Gabriel, Procedeu de obtinere a unui catalizator bifunctional pe baza de Cu-Pd/WO ₃ – Nb ₂ O ₅ utilizat intr-un procedeu de hidrotratare a bio-uleiului de piroliza pe acest catalizator.	național	6	1	1.00
Indicatorul FIC (din brevete)					3.00

FIC = 40.692

NUMĂRUL CITĂRILOR DIN BAZA DE DATE SCOPUS SAU ISI WEB OF SCIENCE (NC)



NC = 190

4. Deținerea atestatului de abilitare

Instituția care a acordat atestatul de abilitare	Domeniul	Nr. Atestat / Data
Universitatea "Vasile Alecsandri" din Bacău	INGINERIA MEDIULUI	3638/26.03.2025

5. Adeverință eliberată de compartimentul de specialitate din UPG Ploiești care dovedește obținerea de către candidat a calificativului „foarte bine” în ultimii trei ani la UPG Ploiești, precum și faptul că acesta nu a fost sancționat disciplinar în ultimii 3 ani.

Adeverinta nr 10776/13.05.2025

Adeverinta nr 11597/21.05.2025

Data

22.05.2025

Candidat,

Conf. univ. dr. chim. Călin Cătălina