

Examen pentru ocuparea postului de Conferențiar universitar, poz. 6

Disciplinele postului: Ecomateriale, Tehnologie chimică generală, Senzori electrochimici ion-selectivi și tehnici electroanalitice moderne

**Domeniul:** Inginerie chimică

**FIȘA DE VERIFICARE**

a îndeplinirii standardelor universității de prezentare la examenul pentru postul conferențiar universitar  
**conform Anexei nr. 8 ordinul 6.129/2016**

**1. Studiile de doctorat**

Nr. crt.	Instituția organizatoare de doctorat	D o m e n i u l	Perioada	Titlul științific acordat
	UPG PLOIEȘTI	CHIMIE	2009-2012	Doctor

**2. Îndeplinirea standardelor minimale de prezentare la examenul pentru postul de profesor universitar/conferențiar universitar, conform OMENCS nr. 6129/20.12.2016, publicat în M.Oficial, Partea I, nr. 123 bis/15.02.2017.**

Criteriaul	Nr. minim impus	Nr. realizat		
<b>NTOP</b>	$\geq 2$	<b>3</b>		
<b>NP</b> - număr articole în reviste ISI la care candidatul este autor principal (prim autor sau autor de corespondență)	<b>10</b>	<b>13</b>		
<b>FIC</b> - factor de impact cumulat (suma factorilor de impact ale revistelor la momentul înscrierii la concurs)	<b>15</b>	<b>FIC din articole</b>	<b>FIC din brevete</b>	<b>FIC TOTAL</b>
		<b>18,9383</b>	<b>0,142</b>	<b>19,0803</b>
<b>NC</b> - număr total de citări (din baza SCOPUS)	$\geq 50$	<b>67</b>		
<b>NCO</b> $\geq 1$	<b>1</b>	<b>1</b>		

**3. Tabel cu articole ISI (indicatorii NT, NP și FIC din articole ISI)**

Nr. crt.	Autorii/titlul lucrării/titlul revistei/ /anul/vol/nr./pag. de la-până la/ISSN	Nr autori /prim autor/autor de corespondență	Factorul de impact al revistei	Factorul de impact ce revine candidatului
1.	<b>Calin C.,</b> 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. 19053, ISSN 2045-2322 <a href="https://doi.org/10.1038/s41598-021-98552-1">https://doi.org/10.1038/s41598-021-98552-1</a>	7/ prim autor	4.38	4.38
2.	Oprescu, E.-E., Enascuta C.-E., Doukeh, R., <b>Calin, C.</b> , 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 <a href="https://doi.org/10.1016/j.renene.2021.05.120">https://doi.org/10.1016/j.renene.2021.05.120</a>	5/ autor de corespondență	8.001	8.001
3	Doukeh, R., Bombos, D., Bombos, M., Oprescu, E.-E., Dumitrascu, G., Vasilevici, G., <b>Calin, C.</b> Catalytic hydrotreating of bio-oil and evaluation of main noxious emissions of gaseous phase, Scientific Reports, 2021, 11(1), p. 6179, ISSN 2045-2322	7/ autor de	4.38	4.38

	<a href="https://doi.org/10.1038/s41598-021-85244-z">https://doi.org/10.1038/s41598-021-85244-z</a>	corespon denta		
4	Bombos, M., Oprescu, E.E., <b>Calin, C.</b> , Vasilevici, 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 <a href="https://doi.org/10.37358/RC.19.9.7505">https://doi.org/10.37358/RC.19.9.7505</a>	6	0	0
5	Georgescu, V., Bombos, M., <b>Calin, C.</b> , 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 <a href="https://doi.org/10.37358/RC.19.2.6956">https://doi.org/10.37358/RC.19.2.6956</a>	4	0	0
6	Grigoriu, N., <b>Calin, C.</b> , 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 <a href="http://dx.doi.org/10.30638/eemj.2018.216">http://dx.doi.org/10.30638/eemj.2018.216</a>	6/ autor de corespon denta	0.916	0.916
7	Emanuela C.E., Stepan E., Bolocan I., Bombos D., <b>Calin C.</b> , Oprescu E.-E., Vasile L., Simultaneous production of oil enriched in $\omega$ -3 polyunsaturated fatty acids and biodiesel from fish wastes, Waste Management, 2018, 75, p.205-214, ISSN: 0956053X <a href="https://doi.org/10.1016/j.wasman.2018.01.022">https://doi.org/10.1016/j.wasman.2018.01.022</a>	7	7.145	1.0207
8	Ilie, L., Mihalache, M., Madjar, RM., <b>Calin, C.</b> , 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 <a href="https://doi.org/10.37358/RC.18.3.6149">https://doi.org/10.37358/RC.18.3.6149</a>	5	0	0
9	Radu, E., Oprescu, E.-E., Enascuta, C.E., <b>Calin, C.</b> , Stoica, R., Scaeteanu, G.V., Vasilevici, 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 <a href="https://doi.org/10.37358/RC.18.1.6072">https://doi.org/10.37358/RC.18.1.6072</a>	10	0	0
10	<b>Calin, C.</b> , 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 <a href="https://doi.org/10.37358/RC.17.9.5830">https://doi.org/10.37358/RC.17.9.5830</a>	4/prim autor	0	0
11	Neagu, M., Popovici, DR., Vijan, LE., <b>Calin, C.</b> , 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 <a href="https://doi.org/10.37358/RC.17.3.5486">https://doi.org/10.37358/RC.17.3.5486</a>	4	0	0
12	Neagu, M., Popovici, DR., Dutescu, CM., <b>Calin, C.</b> , 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 <a href="https://doi.org/10.37358/RC.17.1.5406">https://doi.org/10.37358/RC.17.1.5406</a>	4	0	0
13	Scaeteanu, GV., Madjar, RM., <b>Calin, C.</b> , 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 <a href="https://revistadechimie.ro/Articles.asp?ID=5181">https://revistadechimie.ro/Articles.asp?ID=5181</a>	5/autor de corespon denta	0	0

14	Mihai, O., <b>Calin, C.</b> , 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 . <a href="https://revistadechimie.ro/Articles.asp?ID=5148">https://revistadechimie.ro/Articles.asp?ID=5148</a>	6/autor de corespondenta	0	0
15	Cangea, O., <b>Calin, C.</b> , 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 <a href="https://www.revistadechimie.ro/Articles.asp?ID=5151">https://www.revistadechimie.ro/Articles.asp?ID=5151</a>	5/autor de corespondenta	0	0
16	Bondarev, A., Pantea, O., Mihai, S., <b>Calin, C.</b> , Gheorghe, CG., Removal of Cadmium from Aqueous Solutions Using Low Cost Sorbents, Revista de Chimie, 2016, 67(4), p. 728-733, ISSN 0034-7752 <a href="http://bch.ro/pdfRC/BONDAREV%20A%204%2016.pdf">http://bch.ro/pdfRC/BONDAREV%20A%204%2016.pdf</a>	5	0	0
17	Radu E., Stoica, R., <b>Calin, C.</b> , 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 <a href="https://www.revistadechimie.ro/Articles.asp?ID=4849">https://www.revistadechimie.ro/Articles.asp?ID=4849</a>	7	0	0
18	Peticila, AG., Madjar, R., Scaeteanu, GV., <b>Calin, C.</b> , Rooting Evaluation for Green Cuttings at Actinidia Sp under Rhizogene Hormonal Treatments, ROMANIAN BIOTECHNOLOGICAL LETTERS, 2016, 21(1), p. 11160-11165, ISSN 1224-5984 <a href="https://www.rombio.eu/vol21nr1/10A4.pdf">https://www.rombio.eu/vol21nr1/10A4.pdf</a>	4	0	0
19	Nicolescu, F., Lupu, F., Pantea, O., Gheorghe, CG., Bondarev, A., <b>Calin, C.</b> , 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 <a href="http://bch.ro/pdfRC/NICOLESCU%20F.pdf%208%2015.pdf">http://bch.ro/pdfRC/NICOLESCU%20F.pdf%208%2015.pdf</a>	6	0	0
20	Mihalache, M., Ilie, L., Madjar, RM., <b>Calin, C.</b> , 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 <a href="https://revistadechimie.ro/Articles.asp?ID=4556">https://revistadechimie.ro/Articles.asp?ID=4556</a>	5	0	0
21	Stancu, A., <b>Calin, C.</b> , 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 <a href="https://revistadechimie.ro/Articles.asp?ID=4518">https://revistadechimie.ro/Articles.asp?ID=4518</a>	4/autor de corespondenta	0	0
22	Grigore, E., Pantea, O., Bombos, D., <b>Calin, C.</b> , 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 <a href="https://revistadechimie.ro/Articles.asp?ID=4499">https://revistadechimie.ro/Articles.asp?ID=4499</a>	6/autor de corespondenta	0	0
23	Ilie, L., Scaeteanu, GV., Mihalache, M., Madjar, RM., <b>Calin, C.</b> , 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 <a href="https://revistadechimie.ro/Articles.asp?ID=4339">https://revistadechimie.ro/Articles.asp?ID=4339</a>	5	0	0
24	Madjar, RM., Scaeteanu, GV., Mihalache, M., <b>Calin, C.</b> , 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	6	1.444	0,2406

	AGROBOTANICI CLUJ-NAPOCA, 2014, 42(2), p. 573-578, ISSN 0255-965X <a href="https://doi.org/10.15835/nbha4229575">https://doi.org/10.15835/nbha4229575</a>			
25	<b>Calin, C.</b> , 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, ISSN 0034-7752 <a href="https://revistadechimie.ro/Articles.asp?ID=4041">https://revistadechimie.ro/Articles.asp?ID=4041</a>	6/prim autor	0	0
26	Lupu, F., Gheorghe, CG., Pantea, O., <b>Calin, C.</b> , Biotreatment of the Oil Pollutants, Revista de Chimie, 2013, 64(2), p.210-212, ISSN 0034-7752 <a href="https://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.1087.9422&amp;rep=rep1&amp;type=pdf">https://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.1087.9422&amp;rep=rep1&amp;type=pdf</a>	4	0	0
27	<b>Calin, C.</b> , 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 <a href="https://revistadechimie.ro/Articles.asp?ID=3474">https://revistadechimie.ro/Articles.asp?ID=3474</a>	6/prim autor	0	0
28	<b>Calin, C.</b> , 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 <a href="http://bch.ro/pdfRC/CALIN%20C.pdf%2010%2011.pdf">http://bch.ro/pdfRC/CALIN%20C.pdf%2010%2011.pdf</a>	5/prim autor	0	0
<b>NTOP</b>				<b>3</b>
<b>NP</b> - număr articole în reviste ISI la care candidatul este autor principal (prim autor sau autor de corespondență)				<b>13</b>
<b>FIC</b> - factor de impact cumulat (suma factorilor de impact ale revistelor la momentul înscrierii la concurs)				<b>18,9383</b>

#### 4. Tabel cu brevete naționale și internaționale (indicatorul FIC din brevete)

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	Velea S., Bombos M., Doukeh R., Vasilievici G., Bombos D., Opreșcu E.-E., <b>Calin C.</b> , Osim. /29.11.2021	Catalizator pe bază de Mo și procedeu de piroliză lentă a biomasei pe acest catalizator/(național)	7	1	0,142
<b>Indicatorul FIC (din brevete)</b>					<b>0,142</b>

#### 5. Lista citărilor lucrărilor publicate (indicatorul NC)

S-au luat în considerare citările din baza de date SCOPUS: *Autocitarile au fost excluse din calculul numărului total de citări.* NC:67

Data  
06.01.2022

Candidat,  
Șef lucr.dr.chim. Călin Cătălina