

Universitatea Tehnică "Gheorghe Asachi" din Iași
 Facultatea de Inginerie Chimică și Protecția Mediului "Cristofor Simionescu"
 Departamentul Ingineria și Managementul Mediului
 Examen de promovare pentru ocuparea postului de PROFESOR, poz.6
 Disciplinele postului: Evaluarea impactului asupra mediului
 Evaluări de mediu
 Comunicare

FIȘA DE VERIFICARE

a îndeplinirii **standardelor minime naționale** de prezentare la examenul de promovare pe postul de PROFESOR UNIVERSITAR

Candidat: SLUȘER BRÎNDUȘA MIHAELA, Data nașterii: 07.11.1977, Funcția actuală: Conferențiar, Data numirii în funcția actuală: 2013, Instituția: Universitatea Tehnică "Gheorghe Asachi" din Iași.

STANDARDE MINIMALE NECESARE SI OBLIGATORII PENTRU CONFERIRIA TITLULUI DIDACTIC DE PROFESOR, conform Ordin 6129/2016

	Criteriu standard PROFESOR	min. impus	REALIZAT
a)	NT - Numar total de articole în reviste ISI	NT≥25	NT=55
b)	NP-Numar articole în reviste ISI la care candidatul este autor principal, cu minim șase lucrări în reviste cu FI > 1	NP≥10 (din care 6 articole în reviste cu FI >1)	NP=30 din care 10 în reviste cu FI>1
c)	Factorul de impact cumulat (FIC)	FIC≥20	66,98
d)	Numarul total de citari din baza de date Scopus sau ISI Web of Science, fara autocitari (NC)	NC≥100	1073

Se definesc:

- NT = număr total de articole în reviste ISI
- FIC = factor de impact cumulat (suma factorilor de impact ai revistelor la momentul susținerii publice a tezei de doctorat sau la momentul înscrierii la concursul pentru ocuparea unei poziții didactice)
- NP = număr articole în reviste ISI la care candidatul este autor principal (prim autor sau autor de corespondență)
- NC = număr total de citări din baza SCOPUS sau ISI Web of Science, excluzându-se autocitățile

Brevetele naționale (FI = 1) și internaționale (FI = 3) intră în calculul FIC

Data: 08.01.2026

Candidat: Slușer Brîndușa Mihaela

Semnătura:

08.01.2026

Fisa de verificare standarde minimale (cumulative) nationale - PROFESOR

LISTA LUCRARI PUBLICATE IN REVISTE CU FACTOR DE IMPACT (ISI)

Candidat: Conferentiar universitar, habil. dr.ing. Brindusa Mihaela SLUSER

No.	Document/titlu	Autori	Anul publicarii	Revista	NT, IF 2025	PUNCTAJ	NP, autor principal	NP cu FI>1
0	Brevet de inventie OSIM RO 133480 B1, Echipament pentru dezinfectia aerului, cu flux laminar, 30.12.2024	Antohe Constantin, Malek Al Refai, Sluser Brindusa, Cretescu Igor	2024	BOPI 12/2024	1	1		
0	Brevet de inventie OSIM RO131395 B1 – Platforma mobila pentru aerarea apelor de suprafata, publicat 30.10.2019	Antohe Constantin, Sluser Brindusa, Antonescu Ion, Cretescu Igor	2019	BOPI 10/2019	1	1		
0	Book chapter Environmental impact and risk assessment	Sluser B., Placan O, Teodosiu C.	2022	Assessing Progress Towards Sustainability: Frameworks, Tools and Case Studies, pp. 189–217				
1	From Aerosol Optical Depth to Risk Assessment: A Novel Framework for Environmental Impact Statistics of Air Quality Using AERONET	Ioana Tanasa, Marius Cazacu, Dumitru Botan, John D. Atkinson, Viktor Sebestyen, Brindusa Sluser	2025	Environments 2025, 12, 285. https://doi.org/10.3390/environments12080285	3,7	3,7	1	1

2	Coloured Wastewater Treatment by Clathrate Hydrate Technique,	Mustafa S. Mohammed, Shurooq T. Al-Humairi, Riyadh S. AL-Mukhtar, Saja Mohsen Alardhi, A. Aliyu, Ali Dawood Salman, Miklos Jakab, Forat Yasir AlJaberi, Brindusa Sluser* and Igor Cretescu	2023	Water 2023, 15(12), https://doi.org/10.3390/w1512222	3,00	3,00	1	1
3	New Low-Cost Composite Silica Based with Application in Organic Dye Removal from Water,	Ali Dawood Salman, Thamer Adnan Abdullah, Tatjana Juzsakova, Rashed Taleb Rasheed, Balázs Zsírka, Rasha R. Al Shaikhly, Brindusa Sluser, Igor Cretescu,	2023	Materials 2023, 16(4), 1618; https://doi.org/10.3390/ma16041618 .	3,20	3,20	1	1
4	Air quality integrated assessment: environmental impacts, risks and human health hazards	I.M.Tanasa, M.M.Cazacu, B.M.Sluser	2023	Appl. Sci. 2023, 13(2), 1222; https://doi.org/10.3390/ap13021222 .	2,50	2,50	1	1
5	Priority pollutants effects on aquatic ecosystems evaluated through ecotoxicity, impact, and risk assessments	R.Zait, D.Fighir, B.Sluser, O.Plavan, C.Teodosiu	2022	Water 2022, 14(20), 3237; https://doi.org/10.3390/w14203237	3,00	3,00	1	1
6	Scandium Recovery Methods from Mining, Metallurgical Extractive Industries, and Industrial Wastes	A.D. Salman, T. Juzsakova, S. Mohsen, T.A. Abdullah, P.C. Le, V. Sebestyen, B. Sluser, I. Cretescu	2022	Materials, 2022, 15, 2376. https://doi.org/10.3390/ma15072376	3,20	3,20	1	1
7	Priority Pollutants Monitoring and Water Quality Assessment in the Siret River Basin, Romania	Zait, R.; Sluser, B.; Fighir, D.; Plavan, O.; Teodosiu, C.	2022	Water, 2022, 14, 129. https://doi.org/10.3390/w14010129 (IF=3.103)	3,00	3,00	1	1

8	Polystyrene-Fe ₃ O ₄ -MW/CNTs Nanocomposites for Toluene Removal from Water	Abdullah T.A, Juzsakova t, Rasheed R.T, Salman A.D, Sebestyen V, Domokos E, Sluser B, Cretescu I	2021	Materials 2021, 14, 5503. https://doi.org/10.3390/ma14195503 (ISI, IF=3.623)	3,2	3,2	1	1
9	Environmental monitoring and impact assessment of Prut river cross-border pollution	Neamtu R., Sluser B., Plavan O, Teodosiu C.,	2021	Environmental Monitoring and Assessment Journal, (2021), DOI: 10.1007/s10661-021-09110-1 (ISI, IF= 2.27)	3	3	1	1
10	Statistical approach of environmental quality management and political decision-making at local level: case study Iași city, Romania	Greuc SP., Mihailescu B.,C, Sluser BM	2020	Environmental Engineering and Management Journal, 19(3)	0,94	0,940	1	
11	Synthesis and characterisation of a binder cement replacement based on alkali activation of fly ash waste	Cretescu, I., Harja, M., Teodosiu, C., (...), Sluser, B.M., Salleh, M.A.M.	2018	Process Safety and Environmental Protection, 119, pp. 23-35	4,384	0,731		
12	Postclosure influence of emissions resulted from municipal waste dump sites: A case study of the north-east region of Romania	Slușer, B.M.,Șchiopu, A.M.,Bălan, C., Pruteanu, M.	2017	Environmental Engineering and Management Journal, 16(4), pp. 1017-1026	0,94	0,940	1	
13	Modeling equilibrium data for Cd (II) adsorption by peat using non-linear regression analysis	Balan, C., Robu, B.,Bulai, P., Bilba, D.	2017	Environmental Engineering and Management Journal, 16(3), pp. 569-580	0,94	0,235		
14	Monitoring of radioactivity level in autoclaved aerated concrete produced in Romania and risk assessment	Isopescu, D.N.,Sluser Robu, B.M.,Noli, F., Buckus, R.,Cretescu, I.	2016	Environmental Engineering and Management Journal, 15(4), pp. 935-943	0,94	0,940	1	

15	Environmental assessment of municipal wastewater discharges: a comparative study of evaluation methods	Teodosiu, C., Barjoveanu, G., Sluser, B.R., Popa, S.A.E., Trofin, O.	2016	International Journal of Life Cycle Assessment, 21(3), pp. 395-411	4,868	0,974		
16	Environmental impact and risk assessment of the main pollution sources from the Romanian black sea coast	Robu, B., Jitar, O., Teodosiu, C., (...), Nicoara, M., Plavan, G.	2015	Environmental Engineering and Management Journal, 14(2), pp. 331-340	0,94	0,940	1	
17	Environmental impact and risk quantification based on selected water quality indicators	Teodosiu, C., Robu, B., Cojocariu, C., Barjoveanu, G.	2015	Natural Hazards, 75(1), pp. 89-105	2,3190	0,5798		
18	Advanced environmental impact assessment quantitative method for red mud disposal facilities	Utasi, A., Sebestyén, V., Németh, J., (...), Ráduly, I., Ráduly, L.	2014	Environmental Engineering and Management Journal, 13(9), pp. 2295-2300	0,94	0,940		
19	Advanced quantitative environmental impact assessment method	Utasi, A., Yuzhakova, T., Sebestyén, V., (...), Ráduly, L., Popita, G.	2013	Environmental Engineering and Management Journal, 12(2), pp. 305-310	0,94	0,940		
20	Water footprint assessment in the winemaking industry: A case study for a Romanian medium size production plant	Ene, S.A., Teodosiu, C., Robu, B., Volf, I.	2013	Journal of Cleaner Production, 43, pp. 122-135	6,395	1,599		
21	Integrated approach of environmental impact and risk assessment of Rosia Montana Mining Area, Romania	Ștefănescu, L., Robu, B.M., Ozunu, A.	2013	Environmental Science and Pollution Research, 20(11), pp. 7719-7727	2,9140	2,914	1	1
22	Sustainability in the water use cycle: Challenges in the Romanian context	Teodosiu, C., Barjoveanu, G., Robu, B., Ene, S.-A.	2012	Environmental Engineering and Management Journal, 11(11), pp. 1987-2000	0,94	0,235		
23	Integrated environmental impact and risk assessment of the agricultural and related industries in the Prut River Basin	Cojocariu, C., Barjoveanu, G., Robu, B., Teodosiu, C.	2012	Studia Universitatis Babeș-Bolyai Chemia, (1), pp. 151-166	0,4470	0,447	1	

24	Digitization of the environmental impact quantification process	Suditu, G.D., Robu, B.M.	2012	Environmental Engineering and Management Journal, 11(4), pp. 841-848	0,94	0,940	1	
25	Removal of Cd(II) ions from aqueous solution by retention on pine bark	Tofan, L., Padurar, C., Robu, B., Miron, A., Amalinei, R I M	2012	Environmental Engineering and Management Journal, 11(1), pp. 199-205	0,94	0,188		
26	Soil and groundwater cleanup: Benefits and limits of emerging technologies	Caliman, F.A., Robu, B.M., Smaranda, C., Pavel, V.L., Gavrilescu, M.	2011	Clean Technologies and Environmental Policy, 13(2), pp. 241-268	2,277	0,455		
27	Heavy metal influence on an environment generated by the mining industry: The influence of copper, zinc, lead, manganese and silver on soil quality in the Mestecaniş area (Romania)	Horaicu, C., Robu, B., Florea, F., Horaicu, M.A.	2010	Carpathian Journal of Earth and Environmental Sciences, 5(2), pp. 185-192	1,347	0,337	1	
28	Influence of air pollution on forest ecosystems: Ecological impact of heavy metals	Budianu, M., Robu, B.M., Macoveanu, M.	2010	Environmental Engineering and Management Journal, 9(10), pp. 1401-1405	0,94	0,940		
29	Integrated assessment of wastewater treatment plants for sustainable river basin management	Barjoveanu, G., Cojocariu, C., Robu, B., Teodosiu, C.	2010	Environmental Engineering and Management Journal, 9(9), pp. 1251-1258	0,94	0,235		
30	Study of biodiesel production from oilseed plants II. evaluation of biodisel production from some cultivars of rapeseeds	Leonte, C., Bulgariu, ., Robu, B., Robu, T., Simioniu, D.	2010	Environmental Engineering and Management Journal, 9(9), pp. 1311-1315	0,94	0,940		
31	Ecological education for sustainable tourism in Romania's North-East Region	Ioan, C.C., Robu, B., Macoveanu, M.	2010	Environmental Engineering and Management Journal, 9(1), pp. 39-43	0,94	0,940		
32	Impact of chemicals on derivatives with important therapeutic activity in Calendula officinalis L. flores	Robu, T., Leonte, C., Gile, E., Vătaavu, R., Robu, B.	2010	Environmental Engineering and Management Journal, 9(1), pp. 33-37	0,94	0,940		

33	Strategic environmental assessment for plans, programs, policies in Romania: Multi-criterial method	Robu, B., Macoveanu, M.	2009	Environmental Engineering and Management Journal, 8(6), pp. 1451-1456	0,94	0,940	1	
34	Assessment of heavy metal contamination and impact on surface waters in Iași city, Romania	Horaicu, C., Gabrian, F.C., Grozavu, I., (...), Horaicu, M., Robu, B.	2009	Environmental Engineering and Management Journal, 8(6), pp. 1541-1551	0,94	1,186		
35	Impact of landfill leachate on soil quality in IASI county	Șchiopu, A.-M., Mihaela Robu, B., Apostol, I., Gavrilesco, M.	2009	Environmental Engineering and Management Journal, 8(5), pp. 1155-1164	0,94	0,940		
36	European frame for sustainable agriculture in Romania: Policies and strategies	Robu, B., Ioan, C.C., Robu, E., Macoveanu, M.	2009	Environmental Engineering and Management Journal, 8(5), pp. 1171-1179	0,94	0,940	1	
37	Bioavailability processes for contaminants in soils and their use in risk assessment	Hlihor, R.M., Apostol, L.C., Smaranda, C., (...), Robu, B.M., Gavrilesco, M.	2009	Environmental Engineering and Management Journal, 8(5), pp. 1199-1206	0,94	0,157		
38	The Pb(II) sorption from aqueous solutions by sphagnum moss peat	Bulgariu, L., Robu, B., Macoveanu, M.	2009	Revista de Chimie, 60(2), pp. 171-175	1,605	0,401		
39	Valorification of herbs in phytotherapy - An alternative of chemical treatments in agriculture	Robu, T., Robu, B., Robu, S.	2008	Environmental Engineering and Management Journal, 7(5), pp. 579-588	0,94	0,940	1	
40	The Gorgon method as a tool in sustainable behavior and development	Ioan, C.C., Macoveanu, M., Robu, B.	2008	Environmental Engineering and Management Journal, 7(6), pp. 781-784	0,94	0,940		
41	Quantification of environmental impact and risk induced by industrial activities on ground water quality: Case study Cordun - Roman area, Romania	Cârlig, E.D., Robu, B., Macoveanu, M.	2008	Environmental Engineering and Management Journal, 7(6), pp. 791-803	0,94	0,940	1	

42	Quantification of impact and risk induced in surface water by heavy metals: Case study - Bahlui River Iasi	Robu, B., Bulgariu, L., Bulgariu, D., Macoveanu, M.	2008	Environmental Engineering and Management Journal, 7(3), pp. 263-267	0,94	0,940	1	
43	Methods and procedures for environmental risk assessment	Robu, B.M., Căliman, F.A., Bețianu, C., Gavrilesco, M.	2007	Environmental Engineering and Management Journal, 6(6), pp. 573-592	0,94	0,940	1	
44	Study concerning the influence of oxidizing agents on heterogeneous photocatalytic degradation of persistent organic pollutants	Căliman, A.F., Bețianu, C., Robu, B.M., Gavrilesco, M., Poullos, I.	2007	Environmental Engineering and Management Journal, 6(6), pp. 483-489	0,94	0,188		
45	Equilibrium isotherms studies for sorption of lead ions from aqueous solutions using Romanina peat sorbent	Bulgariu L, Cojocaru C, Robu B, Macoveanu M	2007	Environmental Engineering and Management Journal 6(5), pp. 425-430	0,94	0,313		
46	Decontamination of polluted soils with heavy metals by electrokinetic methods (I)	Bulgariu, D., Bulgariu, L., Rusu, C., Robu, B.	2006	Environmental Engineering and Management Journal 5(3), pp. 307-318	0,94	0,313		
47	Comparative evaluation of impact induced in environment by a refinery	Robu, B. Petruc, V. Macoveanu, M	2006	Environmental Engineering and Management Journal 5(3), pp. 457-470	0,94	0,940	1	
48	Improved Global Pollution index method applied for environmental impact assessment of a refinery	Robu, B. Petruc, V. Macoveanu, M	2006	Environmental Engineering and Management Journal 5(1), pp. 51-61	0,94	0,940	1	

49	Integrated environmental impact and risk assessment of emissions resulted from oil distribution	Robu, B. Petruc, V. Macoveanu, M	2005	Environmental Engineering and Management Journal 4(4), pp. 499–512	0,94	0,940	1	
50	Environmental impact assessment for steel processing	Robu, B, Zaharia C, Macoveanu M	2005	Environmental Engineering and Management Journal 4(1), pp. 51–65	0,94	0,940	1	
51	The monitoring of aluminum concentration in water and fresh food in order to estimate the risks on human health	Volf, I., Robu, B. Ciobanu, O.	2004	Environmental Engineering and Management Journal 3(3), pp. 313–322	0,94	0,940		
52	A new tool for site investigation: Fast GC/MS analysis of benzo [a]pyrene in soil	Robu, B., Ollesch, T., Schröder, W., Matz, G.	2004	Environmental Engineering and Management Journal 3(3), pp. 345–354	0,94	0,940	1	
53	Risk assessment for a shipyard from romanian black sea coast	Robu, B. Gavrilesco, M. Macoveanu, M.	2003	Environmental Engineering and Management Journal 2(4), pp. 303–316	0,94	0,940	1	
54	Modelling and simulation of a three-phase fluidized system applied to attached-growth nitrification of wastewater	Gavrilesco, M., Ungureanu, F., Robu, B.	2002	Environmental Engineering and Management Journal, 1(4), pp. 517–532	0,94	0,313		

55	Preliminary actions for the ISO 14001 implementation in a synthetic yarns and fibers plant	Robu, B., Teodosiu, C.	2002	Environmental Engineering and Management Journal 1(2), pp. 243–254	0,94	0,940	1	
	1073 citari ISI considerand platforma scopus.com, fara autocitari				TOTAL FIC =	66,981	30	NP>1

10

NT=55

Candidat,
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Candidat,
 Conf.univ.habil.dr.ing. Brindusa Mihaela Sluser

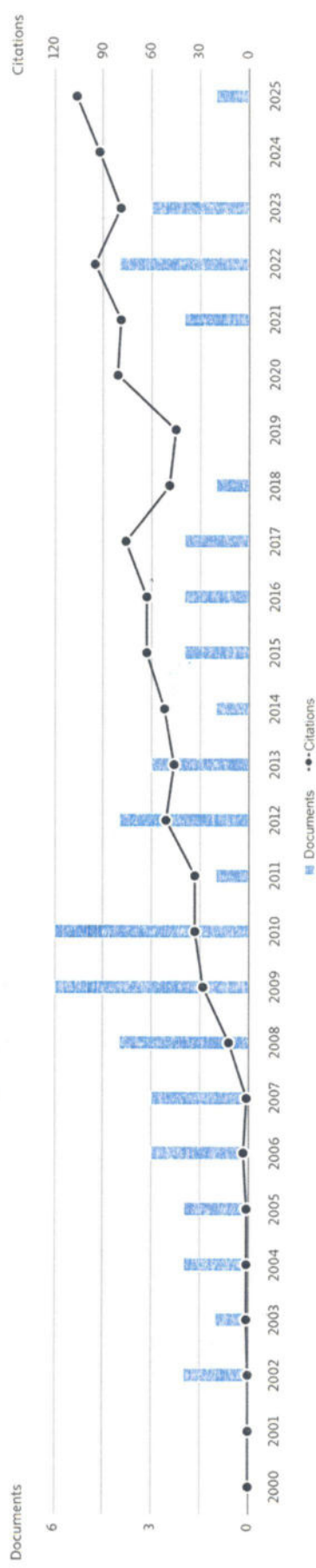
Citation overview

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Documents	Year	<2000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
Total		0	0	0	0	1	1	1	1	3	1	12	28	33	33	51	46	52	63	76	1,094

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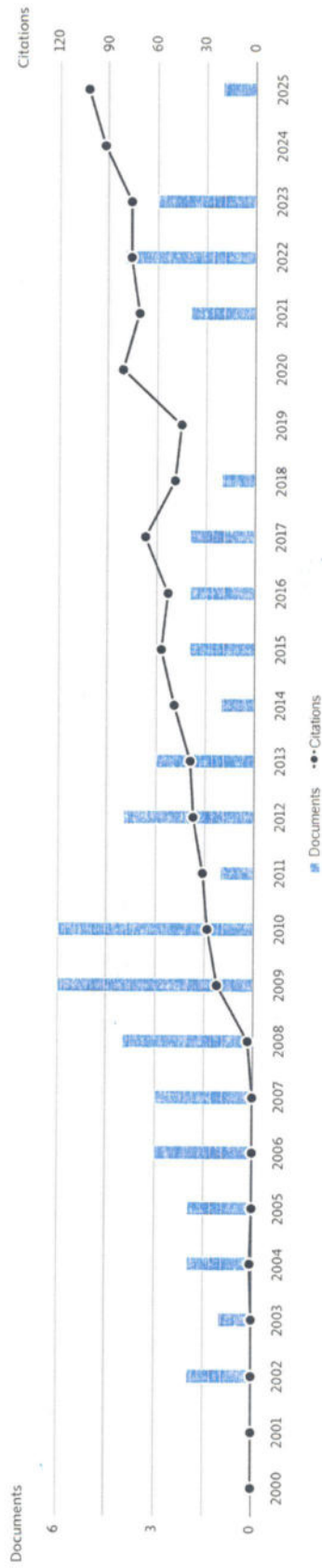
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53 Documents 983 Citations 16 h-index

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Documents	Year	<2000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
Total		0	0	0	0	0	1	0	0	0	3	22	28	31	37	39	49	57	53	67	983

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