

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI
FACULTATEA DE INGINERIE CHIMICĂ ȘI PROTECȚIA MEDIULUI "CRISTOFOR SIMIONESCU" DIN IAȘI
DEPARTAMENTUL DE INGINERIA ȘI MANAGEMENTUL MEDIULUI
Concurs pentru ocuparea postului de **Profesor universitar**, poz. 4
Disciplinele postului: Chimia mediului / Politici de mediu / Energia și mediul

FIȘA DE VERIFICARE

a îndeplinirii standardelor minime naționale de prezentare la concurs pentru postul de profesor universitar

Candidat: Conf.Dr.habil.ing. **Carmen ZAHARIA** / Data nașterii: **12.05.1967** / Funcția actuală: **conferențiar universitar** / Data numirii în funcția actuală: **28.02.2008**

Instituția: **UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI**

Anexa nr. 18 - COMISIA DE INGINERIA MEDIULUI

STANDARDE MINIMALE NECESARE ȘI OBLIGATORII PENTRU CONFERIREA TITLURILOR DIDACTICE DIN ÎNVĂȚĂMÂNTUL SUPERIOR ȘI A GRADELOR PROFESIONALE DE CERCETARE _ DEZVOLTARE, conform Ordin MEN nr. 6129/20.12.2016

Se definesc:

NT = număr total de articole în reviste ISI;

FIC = factor de impact cumulat (suma factorilor de impact ale 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 autocitările.

1. Concurs de Conferențiar / CSII ...

2. Concurs de Profesor / CS I

Standarde minime (cumulative):

a) NT ≥ 25

b) NP ≥ 10, cu minim șase lucrări în reviste cu FI > 1

c) FIC ≥ 20

În acest caz în calculul FIC se ține cont de factorul de impact al revistei la care candidatul a publicat un articol ca autor principal și respectiv de factorul de impact împărțit la numărul de autori pentru revistele în care candidatul a publicat un articol în care nu este autor principal.

d) NC ≥ 100

Brevetele naționale (FI= 1) și internaționale (FI= 3) intră în calculul FIC de la punctul c);

Pentru concursurile de Conferențiar și Profesor se recomandă universităților să includă în grila proprie și criterii suplimentare care să țină cont de experiența didactică a candidaților (activitate didactică, redactarea de manual și îndrumare, etc.), precum și de cea științifică (dezvoltarea unor direcții de cercetare, redactarea de monografii sau capitole în edituri recunoscute din țară și străinătate, granturi naționale și internaționale câștigate în calitate de director sau membru etc.).

Pentru concursurile de CS II și CS I, se recomandă instituțiilor organizatoare să includă în grila de concurs și alte criterii care să țină cont de activitatea științifică a candidaților (dezvoltarea unor direcții de cercetare, granturi naționale și internaționale castigate în calitate de director sau membru etc.).

	Criteriu standard	min. impus	REALIZAT (selecție) (în momentul înscrierii la concurs, referință an 2024)
a)	Numar total de articole in reviste ISI evaluate (NT)	NT≥ 25	67
b)	Numar articole in reviste ISI la care candidatul este autor principal (NP) evaluate	NP≥ 10 (min 6, FI>1)	42 (17, FI>1, referință 2024)
c)	Factorul de impact cumulat (FIC)	FIC≥ 20	92,726
d)	Numarul total de citari din baza de date Scopus sau ISI Web of Science, fără autocitări (NC) (bază de date selectată pentru citări Scopus)	NC≥ 100	1071

Data: 12.12.2024



Candidat,

Conferențiar Dr.habil.ing. **ZAHARIA CARMEN**

LISTĂ DE VERIFICARE ÎNDEPLINIRE CERINȚE MINIMALE LA NIVEL NAȚIONAL (CNCSIS) PENTRU PROFESOR UNIVERSITAR – detalii selecție lucrări:

Nr. (N)	Articolul ISI (i)	Revistă	Autori	An publicare	Fi [*] (2024)	n _i (nr. autori)	NP	FIC _i (2024)	Tip document
1	The Use of Coagulation–Flocculation for Industrial Colored Wastewater Treatment - (I) The Application of Hybrid Materials	Applied Sciences (Basel, Switzerland), 14, 2184. Doi: 10.3390/ app14052184	Zaharia C.* , Musteret C.-P., Afrasinei M.-A.	2024	2.500	3	X	2.500	Articol Q2
2	Procedeu de obținere a silicaților metalici poroși multimodali prin tehnica pulverizării gelului	Brevet de invenție RO 133821-B1 / 30.03.2023, BOPI nr. 3/2023. https://www.osim.ro/images/Publicatii/Inventii/2023/inv_03_2023.pdf	Muresan E.I.*, Zaharia C.	2023	1.000	2		0.500	Brevet OSIM
3	Empirical Modeling by Active Central Composite Rotatable Design: Orange 16 Dye Bio-sorption onto Biosorbents Based on Residual Bacterial <i>Lacto-bacillus</i> sp. Biomass	Separations, 10, 279, 2023. Doi: 10.3390/ separations10050279	Zaharia C.* , Suteu D.	2023	2.500	2	X	2.500	Articol Q3
4	Statistical analysis and optimization of the Brilliant Red HE-3B dye biosorption onto a biosorbent based on residual biomass	Materials, 15, 7180. Doi: 10.3390/ma15207180	Suditu G.D., Blaga A.C.* Tataru-Farmus R.E., Zaharia C. , Suteu D.*	2022	3.100	5		0.620	Articol Q1
	Reduction of water color in a spinning disc reactor	Applied Sciences (Basel, Switzerland), 12, 10253. Doi:10.3390/app122010253	Iacob-Tudose E.T., Zaharia C.* , Melniciuc-Puica N.	2022	2.500	3	X	2.500	Articol Q2
6	Empirical modeling and optimization by active central composite rotatable design: Brilliant Red HE-3B dye biosorption onto residual yeast biomass-based biosorbents	Applied Sciences (Basel, Switzerland), 12, 6377. Doi: 10.3390/ app12136377	Zaharia C.* , Suteu D.*	2022	2.500	2	X	2.500	Articol Q2
7	Polysaccharides used in biosorbents preparation for organic dyes retaining from aqueous media	Polymers, 14(3), 588. Doi: 10.3390/polym14030588	Suteu D., Blaga A.C., C. Zaharia* , Cimpoeșu R., Puitel A.C.*, Tataru-Farmus R.-E., Tanasă A.M.	2022	4.700	7	X	4.700	Articol Q1
8	Biosorbents based on residual biomass of <i>Lactobacillus</i> sp. bacteria consortium immobilized in sodium alginate for Orange 16 dye retention from aqueous solutions	Desalination and Water Treatment, 246, 315-324. Doi:10.5004/dwt.2022.28018	Suteu D., Zaharia C.* , Blaga A.C., Peptu A.C.	2022	1.000	4	X	1.000	Articol Q4
9	Preparation, characterization, and application of polysaccharide-based emulsions incorporated with lavender essential oil for skin-friendly cellulosic support	International Journal of Biological Macromolecules, 191, 405-413. Doi: 10.1016/ j.ijbiomac.2021.09.090	Danila A., Muresan E.I., Ibanescu S.A., Popescu A., Danu M.*, Zaharia C. , Ceylan Türkoglu G., Erkan G., Starasf A.I.	2021	7.700	9		0.856	Articol Q1
10	Textile wastewater treatment in a spinning disc reactor: Improved performances—experimental, modeling and SVM optimization	Processes, 9(11), 2003. Doi: 10.3390/pr9112003	Zaharia C. , Leon F., Curteanu S., Iacob-Tudose E.T.*	2021	2.800	4	X	2.800	Articol Q2
11	Sorption of reactive dyes from aqueous media using the lavender waste as biosorbent	Desalination and Water Treatment, 236, 348-358. Doi: 10.5004/ dwt.2021.27700	Tanasa A., Puitel A.C., Zaharia C. , Suteu D.*	2021	1.000	4		0.250	Articol Q4
12	Polysaccharides as support for microbial biomass-based adsorbents with applications in removal of heavy metals and dyes	Polymers, 13(17), 2893. Doi: 10.3390/polym13172893	Blaga A.C., Zaharia C. , Suteu D.*	2021	4.700	3		1.567	Articol Q1
13	Brilliant Red HE-3B dye bio-sorption by immobilized residual consortium <i>Bacillus</i> sp. biomass: fixed-bed column studies	Applied Sciences (Basel, Switzerland), 11, 4498. Doi: 10.3390/app11104498	Horciu L.I., Zaharia C.* , Blaga A.C., Rusu L., Suteu D.	2021	2.500	5	X	2.500	Articol Q2
14	Hydrogel based on tricarboxy cellulose and poly(vinyl alcohol) used as biosorbent for cobalt ions retention	Polymers, 13, 1444. Doi: 10.3390/polym13091444	Nica I., Zaharia C.* , Suteu D.*	2021	4.700	3	X	4.700	Articol Q1
15	Ultrasonic extraction for preparation of plant extracts with bioinsecticidal effects on pest from seed deposits	Studia Universitatis Babes-Bolyai Chemia, 66(2), 309-324. Doi:10.24193/ subbchem.2021.2.27	Daraban G.M., Zaharia C. , Rusu L., Puitel A.C., Badeanu M., Suteu D.*	2021	0.500	6		0.083	Articol Q4
16	Eco-friendly O/W emulsions with potential application in skincare	Colloids and Surfaces A: Physico-	Danila D., Ibanescu S.A.,	2021	4.900	7		0.700	Articol Q2

	products	chemical and Engineering Aspects, vol. 612, 125969. Doi: 10.1016/j.colsurfa.2020.125969	Zaharia C. , Muresan E.I., Popescu A., Danu M. *, Rotaru V.						
17	Challenge of Utilization Vegetal Extracts as Natural Plant Protection Products, and Empirical Modeling	Applied Sciences (Switzerland), 10, 8913. Doi: 10.3390/app10248913	D. Suteu*, L. Rusu, C. Zaharia* , M. Badeanu, G.M. Daraban	2020	2.500	5	X	2.500	Articol Q2
18	Textile Wastewater Treatment on a Spinning Disc Reactor: Characteristics, Performances and Empirical Modeling	Applied Sciences (Switzerland), 10, 8687. Doi:10.3390/app10238687	Iacob Tudose E.T., Zaharia C.* ,	2020	2.500	2	X	2.500	Articol Q2
19	Bioactive Textiles Obtained by Using Aqueous Extracts of Vine Leaves	Fibers and Polymers, 21 (11), 2505-2512. Doi: 10.1007/s12221-020-1153-5	Muresan E.I., Diaconu M., Zaharia C.* , Rosu G., Danila A., Pui A.	2020	2.200	6	X	2.200	Articol Q1
20	Bioactive emulsions with beneficial antimicrobial application in textile material production	Cellulose, 27, 9711–9723. Doi: 10.1007/s10570-020- 03432-y WOS 000566872000001	C.Zaharia* , M. Diaconu, E.I. Muresan, Danila A., Popescu A., Rosu G.	2020	4.900	6	X	4.900	Articol Q1
21	Adsorptive materials based on cellulose: preparation, characterization and application for copper ions retention	Cellulose Chemistry and Technology, 54 (5-6), 579-590. Doi: 10.35812/Cellulose ChemTechnol.2020.54.58	Nica I., Zaharia C. , Baron R.I., Coseri S., Suteu D.	2020	1.300	5		0.260	Articol Q2
22	Biosorption of reactive dyes from aqueous media using the Bacillus sp. residual biomass	Desalination and Water Treatment, 195, 353-360. Doi:10.5004/dwt.2020.25901	Horciu I.L., Blaga A.C., Rusu L., Zaharia C. , Suteu D.*	2020	1.000	5		0.200	Articol Q4
23	Process water treatment in a thermal power plant: characteristics and sediment/ sludge disposal	Environmental Engineering and Management Journal, 19(2), 255-267. WOS: 000531733600008 ; http://www.eemj.eu	Stănculescu D., Zaharia C.*	2020	0.900	2	X	0.900	Articol Q4
24	Fixed-bed-column studies for Methylene Blue removal by cellulose Cellets	Environmental Engineering and Management Journal, 19(2), 269-279. WOS: 000531733600009; http://www.eemj.eu	Nica I., Biliuta G., Zaharia C.* , Rusu L. , Coseri S., Suteu D.*	2020	0.900	6	X	0.900	Articol Q4
25	Material deșeu lignocelulozic și procedeu de epurare a apelor uzate din industria textilă care utilizează acest material	Brevet de invenție RO130219-B1 / 30.12.2019, BOPI nr. 12/2019. https://osim.ro/wp-content/uploads/Publicatii-OSIM/BOPI-CBI-BI-EU/2019/ext_12_2019.pdf	C.Zaharia* , D.Suteu, E.I.Muresan, A.Muresan	2019	1.000	4	X	1.000	Brevet OSIM
26	Essential mint oil-based emulsions: preparation and characterization	Industria textila, 70 (1), 83-87. Doi: 10.35530/IT.070.01.1581	Dănilă A., Zaharia C.* , Șuteu D., Mureșan E.I., Lișă G., Karavana S.Y., Toprak A., Popescu A., Chirilă L.	2019	1.000	9	X	1.000	Articol Q3
27	Discoloration of industrial effluents by adsorption-based treatment onto coal fly ash activated with lime	Desalination and Water Treatment, vol.127, 364–376. Doi: 10.5004/dwt.2018.22786	C.Zaharia*	2018	1.000	1	X	1.000	Articol Q4
28	Neural modeling and optimization of a mechanical-chemical treatment applied for some industrial effluents. A Roumanian case study	Chemistry Journal of Moldova (General, Industrial and Ecological Chemistry), 12(2), 19-27. Doi:10.19261/cjm.2017.394	Diaconescu R.M., Zaharia C.*	2017	0.500	2	X	0.500	Articol Q4
29	Modified cellulose fibers as adsorbent for dye removal from aqueous environment	Desalination and Water Treatment, 90, 341-349. Doi: 10.5004/dwt.2017.21491	Suteu D.*, Coseri S., Zaharia C.* , Biliuta G., Nebunu I.	2017	1.000	5	X	1.000	Articol Q4
30	Water pollution status of Siret river in Pascani town area due to different domestic and wastewater treatment activities (winter season)	Environmental Engineering and Management Journal, 16(3), 615-623. WOS: 000403508600013; Doi: 10.30638/eemj.2017.063; http://www.eemj.eu	Zaharia C.* , Jufa C.	2017	0.900	2	X	0.900	Articol Q4
31	Decentralized wastewater treatment systems: efficiency and its estimated impact against onsite natural water pollution status. A	Process Safety and Environmental Protection, 108, 74-88.	C.Zaharia*	2017	6.900	1	X	6.900	Articol Q1

	Romanian case study	Doi:10.1016/j.psep.2017.02.004							
32	Wood waste as a renewable source of energy	Environmental Engineering and Management Journal, 15(3), 665-673. WOS:000376876400021; Doi: 10.30638/eemj.2016.072	D. Suteu, C. Zaharia , C.Popovici, T.Malutan, L. Rusu, L.Tabacaru	2016	0.900	6		0.150	Articol Q4
33	Kinetic modeling of dye sorption from aqueous solutions onto apple seed powder	Cellulose Chemistry and Technology, 50(9-10), 1085-1091. WOS: 000395956900022; http://www.scopus.com/inward/record.url?eid=2-s2.0-85017287796&partnerID=MN8TOARS	D.Suteu, C.Zaharia , M.Badeanu	2016	1.300	3		0.433	Articol Q2
34	Procedeu de epurare a apelor uzate provenite din industria textila	Brevet de inventie RO127284 B1, 15/10/2016, BOPI nr. 9/2016. https://osim.ro/wp-content/uploads/Publicatii-OSIM/BOPI-Inventii/2016/bopi_inv_10_2016.pdf	D.Suteu, C.Zaharia *, A.Muresan	2016	1.000	3	X	1.000	Brevet OSIM
35	Valorization of food wastes as sorbent for dye retention from aqueous medium	Desalination and Water Treatment, 54(9), 2570-2580. Doi:10.1080/ 19443994.2014.898001	D.Suteu, S.Coseri, M.Badeanu, C. Zaharia	2015	1.000	4		0.250	Articol Q4
36	Application of Waste Materials as 'Low Cost' Sorbents for Industrial Effluent Treatment. A Comparative Overview	International Journal of Materials & Products Technology, 50 (3/4), 196-220. Doi: 10.1504/ IJMPT.2015.068524	C.Zaharia *	2015	0.500	1	X	0.500	Articol Q4
37	Evaluation of water pollution status in Siret Hydrographical basin (Suceava region) due to agricultural activities	Chemistry Journal of Moldova (General, Industrial and Ecological Chemistry), 9(1), 42-52. WOS:000215103700006; Doi: 10.19261/cjm.2014.09(1).05	C.Zaharia *	2014	0.500	1	X	0.500	Article Q4
38	Removal of Remazol Rosso RB dye from aqueous effluents by homogenous Fenton oxidation processes	Chemistry Journal of Moldova (General, Industrial and Ecological Chemistry), 9(1), 74-79. WOS:000215103700009 ; Doi: 10.19261/cjm.2014.09(1).08	C.Zaharia *, V. Fedorcea, A. Beda, V. Amarandei, A.Muresan	2014	0.500	5	X	0.500	Article Q4
39	A preliminary modeling and optimization study of a homogenous advanced oxidation process applied for an industrial colored effluent	Journal of Environmental Protection and Ecology, 15(4), 1680-1689. WOS: 000348254600018 ; EID: 2-s2.0-84946866818; http://www.scopus.com/inward/record.url?eid=2-s2.0-84946866818&partnerID=MN8TOARS	C.Zaharia *, D.Suteu	2014	0.507	2	X	0.507	Article Q4
40	Control Study of Siret River Quality in Pascani County Area and Estimation of Its Pollution Level	ACTA CHEMICA IASI, 119-136, 21(2), 2013. WOS:000219269500006; Doi: 10.2478/achi-2013-0011	Zaharia C. *, Radu I.	2013	0.400	2	X	0.400	Article Q4
41	Coal fly ash as adsorptive material for treatment of a real textile effluent: operating parameters and treatment performance	Environmental Science and Pollution Research, 20(4), 2226-2235. Doi: 10.1007/s11356-012-1065-y	C.Zaharia *, D.Suteu	2013	6.180	2	X	6.180	Article Q1
42	Biohumus production by worm`s composting of some food wastes,	Scientific Study& Research – Chemistry and Chemical Engineering, Biotechnology, Food Industry, Vol.XIII (13), 2, 169-176. WOS: 000217234700005; EID: 2-s2.0-84872582512	Suteu D., Zaharia C. , Badeanu M.	2012	0.300	3		0.100	Article Q4
43	Equilibrium, Kinetic, and Thermo-dynamic Studies of Basic Blue 9	Central European Journal of Chemistry	D.Suteu,	2012	2.300	3		0.767	Article Q2

	Dye Sorption on Agro-industrial Ligno-cellulosic Materials	(changed name: Open Chemistry), 10(6), 1913-1926. WOS:000308950500022; Doi: 10.2478/s11532-012-0122-2	<u>C.Zaharia</u> , T. Malutan						
44	Options and solutions for textile effluent decolourization using some specific physico-chemical treatment steps	Environmental Engineering and Management Journal, 11(2), 493-509. WOS:000303276000037 ; Doi: 10.30638/eemj.2012.06	<u>C.Zaharia*</u> , D.Suteu, A.Muresan	2012	0.900	3	X	0.900	Article Q4
45	Assessment of environmental impact of some new aryloxyalkyl carboxylic acid derivatives	Environmental Engineering and Management Journal, 11(2), 413-420. WOS:000303276000026; Doi: 10.30638/eemj.2012.051	A.M.Mocanu, C. Luca, L. Odochian, <u>C.Zaharia</u> , C.Iordache	2012	0.900	5		0.180	Article Q4
46	Evaluation of environmental impact produced by different economic activities with the global pollution index	Environmental Science and Pollution Research, 19(6), 2448-2455. Doi: 10.1007/s11356-012-0883-3	<u>C.Zaharia*</u>	2012	6.180	1	X	6.180	Article Q1
47	Removal of Orange 16 reactive dye from aqueous solution by wasted sunflower seed shells	Journal of the Serbian Chemical Society, 176(3), 907-924. Doi: 10.2298/JSC100721051S	D.Suteu, <u>C.Zaharia</u> , T.Maluta	2011	1.000	3		0.333	Article Q4
48	Analytical Control of Soil and Ground Water Quality on a Northern Romanian Solid Waste Landfill	Environmental Engineering and Management Journal, 10(11), 1693-1701. WOS:000298662900010 ; Doi: 10.30638/eemj.2011.231	<u>C.Zaharia*</u> , D.Suteu	2011	0.900	2	X	0.900	Article Q4
49	Assessing the impact of some industrial and transport activities on soil by the global pollution index	Environmental Engineering and Management Journal, 10(3), 387-391. WOS: 000290921300010 ; Doi: 10.30638/eemj.2011.056	<u>C.Zaharia*</u>	2011	0.900	1	X	0.900	Article Q4
50	Mathematical modelling and the technological process optimization for the bio-scouring of the cotton textile materials	Industria Textila, 61(2), 70-80. WOS: 000277161700005	A.Popescu, A. Grigoriu, <u>C. Zaharia</u> , R. Mureşan, A.Mureşan	2010	1.000	5		0.250	Article Q3
51	Environmental impact assessment induced by an industrial unit of basic chemical organic compounds synthesis using the alternative method of global pollution index	Environmental Engineering and Management Journal, 8(1), 107-112. WOS: 000264783000023 ; Doi: 10.30638/eemj.2009.015	<u>C.Zaharia*</u> , I.Murăraşu	2009	0.900	2	X	0.900	Article Q4
52	Preliminary study of simple and Fenton oxidation with hydrogen peroxide applied on final effluents from a zootechnical farm	Environmental Engineering and Management Journal, 8(3), 409-415. WOS: 000267917400005 ; Doi: 10.30638/eemj.2009.055	<u>C.Zaharia*</u> , M.Surpăţeanu	2009	0.900	2	X	0.900	Article Q4
53	Decolorization wastewaters from the textile industry – physical methods, chemical methods	Industria Textila, 60(5), 254-263. WOS: 000271306600003	D.Suteu, <u>C. Zaharia</u> , D.Bilba, R.Muresan, A.Popescu, A.Muresan	2009	1.000	6		0.180	Article Q3
54	Removal of dyes from textile wastewater by sorption onto ligno-cellulosic materials	Scientific Study & Research – Chemistry and Chemical Engineering, Biotechnology, Food industry, vol.IX(3), 293-302. WOS:000217213800002	D.Suteu, D.Bilba, <u>C.Zaharia</u> , A.Popescu	2008	0.300	4		0.075	Article Q4
55	Optimization of homogenous oxidation process with hydrogen peroxide using Box method applied for wastewaters containing Methylene Blue dye	Scientific Study & Research – Chemistry and Chemical Engineering, Biotechnology, Food Industry, vol.IX(1), 49-60. WOS:000217208700006	<u>C.Zaharia*</u> , D.Suteu	2008	0.300	2	X	0.300	Article Q4

56	Microwave-assisted chemistry. A review of environmental applications	Environmental Engineering and Management Journal, 6(6), 521-527. WOS: 000254832000008 ; Doi: 10.30638/eemj.2007.065	M.Surpateanu, C.Zaharia* , G.G.Surpățeanu	2007	0.900	3	X	0.900	Article Q3
57	Study of increasing soil fertility into a site with high electric field around using polymeric conditioning agent	Environmental Engineering and Management Journal, 6(6), 567-572. WOS: 000254832000016 ; https://www.eemj.eu	I.I.Dospinescu, C.Zaharia , M.Macoveanu,	2007	0.900	3		0.300	Article Q3
58	Assessment of environmental impact generated by municipal waste deposition into a Romanian landfill	Journal of Environmental Protection and Ecology, 8(2), 332-345. WOS: 000254747100012	C.Zaharia* , M.Surpățeanu, M.Macoveanu,	2007	0.507	3	X	0.507	Article Q4
59	Study of flocculation with Ponilit GT-2 anionic polyelectrolyte applied into a chemical wastewater treatment	Central European Journal of Chemistry (new name: Open Chemistry), 5(1), 239-256. WOS: 000243766100019; Doi: 10.2478/s11532-006-0057-6	C.Zaharia* , R.Diaconescu, M.Surpățeanu	2007	2.300	3	X	2.300	Article Q2
60	Optimization study of a wastewater chemical treatment with Ponilit GT-2 anionic polyelectrolyte	Environmental Engineering and Management Journal, 5(6), 1273 – 1290. Doi: 10.30638/eemj.2006.107	Zaharia C.* , Diaconescu R., Surpateanu M.	2006	0.900	3	x	0.900	Article Q4
61	Electrocoagulation/electroflotation – Methods applied for wastewater treatment	Environmental Engineering and Management Journal, 4(4), 463 – 472. Doi: 10.30638/eemj.2005.041	Zaharia C.* , Surpateanu M., Cretescu I., Macoveanu M., Braunstein H.	2005	0.900	4	x	0.900	Article Q4
62	Environmental impact assessment for steel processing	Environmental Engineering and Management Journal, 4(1), 51–65. Doi: 10.30638/eemj.2005.008	Robu B., Zaharia C. , Macoveanu M.	2005	0.900	3		0.300	Article Q4
63	Advanced oxidation processes. Decolorization of some organic dyes with H ₂ O ₂	Environmental Engineering and Management Journal, 2004, 3(4), 629–640. Doi: 10.30638/eemj.2004.060	Surpateanu M., Zaharia C.	2004	0.900	2		0.450	Article Q4
64	Advanced oxidation processes for decolorization of aqueous solution containing Acid Red G azo dye	Central European Journal of Chemistry (new name: Open Chemistry), 2(4), 573-588. WOS:000224491700003 Doi: 10.2478/BF02482722	M.Surpățeanu*, C.Zaharia*	2004	2.300	2	X	2.300	Article Q2
65	Fe-exchanged Y zeolite as catalyst for wet peroxide oxidation of reactive azo dye Procion Marine H-EXL	Applied Catalysis B: Environmental, 78(2), 287-294. Doi: 10.1016/j.apcatb.2003.11.005	M.Neamțu, C.Zaharia , C.Catrinescu, Ayfer Yediler, A. Kettrup, M.Macoveanu	2004	19.503	6		3.501	Article Q1
66	Kinetic study of Blue M-EB dye sorption on ion exchange resins	Hungarian Journal of Industrial Chemistry, 30, 7-11. https://www.scopus.com/record/display.uri?eid=2-s2.0-0036095442&origin=cto	D.Șuteu, D.Bîlbă, C.Zaharia	2002	0.200	3		0.067	Article Q2
67	Copolymers 15. Study on characteristics of some copolymerizations of acrylonitrile with nonyl phenol-oligoethoxylate monofumarate and vinylacetate	Revue Roumaine de Chimie, 40 (7-8), 669-677. https://www.webofscience.com/wos/woscc/full-record/WOS:A1995TZ35200013	M.Nicu, N.Asandei, M.Dărăngă, C.Zaharia , D.Asandei	1995	0.400	5		0.080	Article Q4
Σ _{I selectie}	NT (selectate) = 67	NP (selectate) = 42 (17, FI>1, referință 2024)					FIC=	92.726	Total Q1 = 11 (NP _{Q1} =7)

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