

Fișa de verificare standarde minimale (cumulative) la nivel național

**STANDARDE MINIMALE NECESARE ȘI OBLIGATORII PENTRU CONFERIREA TITLULUI DIDACTIC DE PROFESOR ȘI
ABILITARE, conform Ordin MEN nr. 6129/20.12.2016**

Candidat: Conferentiar universitar dr.ing. Carmen ZAHARIA

	Criteriu standard	min. impus	REALIZAT (selecție)
a)	Numar total de articole in reviste ISI (NT) evaluate	NT \geq 25	46
b)	Numar articole in reviste ISI la care candidatul este autor principal (NP) evaluate	NP \geq 10	30
c)	Factorul de impact cumulat (FIC)	FIC \geq 20	33,7518
d)	Numarul total de citari din baza de date Scopus sau ISI Web of Science, fara autocitari (NC)	NC \geq 100	546

Candidat,
Conf.univ.dr.ing. **Carmen ZAHARIA**

09.09.2020



Domeniu: INGINERIA MEDIULUI - Comisia 18

LISTA DE ARTICOLE ISI / BREVETE SELECTATE PENTRU ABILITARE

Nr. (N _i)	Articolul ISI (i)	Revistă	Autori	An publ.	Fi _i * (2019)	n _i (nr. autori)	NP	FiC _i (2019)	Tip document
1	Bioactive Textiles Obtained by Using Aqueous Extracts of Vine Leaves	Fibers and Polymers, Vol.21, No.11, 2505-2512, doi: 10.1007/s12221-020-1153-5	Muresan E.I., Diaconu M., Zaharia C.* , Rosu G., Danila A., Pui A.	2020	1,797	6	x	1,797	Article (rosu)
2	Bioactive emulsions with beneficial antimicrobial application in textile material production	Cellulose, doi: 10.1007/s10570-020-03432-y, WOS 000566872000001	C.Zaharia* , M. Diaconu, E.I. Muresan, A. Danila, A. Popescu, G. Rosu	2020	4,210	6	x	4,210	Article (rosu)
3	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/CelluloseChemTechnol.2020.54.58	Nica I., Zaharia C. , Baron R.I., Coseri S., Suteu D.	2020	0	5		0	Article
4	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	0,854	5		0,1708	Article
5	Process water treatment in a thermal power plant: characteristics and sediment/sludge disposal,	Environmental Engineering and Management Journal, 19(2), 255-267	Stănculescu D., Zaharia C.*	2020	0	2	x	0	Article
6	Fixed-bed-column studies for Methylene Blue removal by cellulose Cellets	Environmental Engineering and Management Journal, 19(2), 269-279	Nica I., Biliuta G., Zaharia C.* , Rusu L., Coseri S., Suteu D.*	2020	0	6	x	0	Article
7	Material deseu lignocelulozic și procedeu de epurare a apelor uzate din industria textilă care utilizează acest material,	Brevet de inventie RO 130219-A2 / 30.12.2019, BOPI nr. 12/2019	C.Zaharia* , D.Suteu, C.I.Muresan, A.Muresan	2019	1,00	4	x	1,000	Brevet OSIM
8	Essential mint oil-based emulsions: preparation and characterization	Industria textila, 70 (1), 83-87	Dănilă A., Zaharia C.* , Șuteu D., Mureșan E.I., Lișă G., Karavana S.Y., Toprak A., Popescu A., Chirilă L.	2019	0	9	x	0	Article
9	Discoloration of industrial effluents by adsorption-based treatment onto coal fly ash activated with lime	Desalination and Water Treatment, vol.127, 364–376	C.Zaharia*	2018	0,854	1	x	0,854	Article
10	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	Diaconescu R.M., Zaharia C.*	2017	0,540	2	x	0,540	Article
11	Modified cellulose fibers as adsorbent for dye removal from aqueous environment	Desalination and Water Treatment, 90, 341-349	D.Suteu*, S.Coseri, C.Zaharia* ,	2017	0,854	5	x	0,854	Article

			G.Biliuta, I.Nebunu						
12	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	<u>C.Zaharia*</u> , C.Jufa	2017	0	2	x	0	Article
13	Decentralized wastewater treatment systems: efficiency and its estimated impact against onsite natural water pollution status. A Romanian case study	Process Safety and Environmental Protection, 108, 74-88	<u>C.Zaharia*</u>	2017	4,966	1	x	4,966	Article (rosu)
14	Wood waste as a renewable source of energy	Environmental Engineering and Management Journal, 15(3), 665-673	D.Suteu, <u>C.Zaharia</u> C.Popovici, T. Malutan, L.Rusu, L.Tabacaru	2016	0	6		0	Article
15	Kinetic modeling of dye sorption from aqueous solutions onto apple seed powder	Cellulose Chemistry and Technology, 50(9-10), 1087-1093	D.Suteu, <u>C.Zaharia</u> , M.Badeanu	2016	0	3		0	Article
16	Procedeu de epurare a apelor uzate provenite din industria textila,	Brevet de inventie RO 127284 B1, 15/10/2016, BOPI nr. 9/2016	D.Suteu, <u>C.Zaharia*</u> , A.Muresan	2016	1,000	3	x	1,000	Brevet OSIM
17	Studies on the Absorption of Dyes Used in the Textile Industry Using Metallo-silicate Beads as Adsorbents	Revista de Chimie, 67(10), 1232-1238	E.I.Muresan, <u>C.Zaharia</u> , A. Muresan, A. Cerempei, C.D. Radu, IG.Sandu	2016	1,755	6		0,2925	Article
18	Valorization of food wastes as sorbent for dye retention from aqueous medium	Desalination and Water Treatment, 54(9), 2570-2580	D.Suteu, S.Coseri, M.Badeanu, <u>C.Zaharia</u>	2015	0,854	4		0,2135	Article
19	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	<u>C.Zaharia*</u>	2015	0,786	1	x	0,786	Article
20	MgFeZnLDHs nanoarchitectonics for photocatalytic removal of some organic pollutants under solar irradiation	International Journal of Materials & Products Technology, 51(3), 228-240	M.C.Puscasu, G.Carja, <u>C.Zaharia*</u>	2015	0,786	3	x	0,786	Article
21	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	<u>C.Zaharia*</u>	2014	0,540	1	x	0,540	Article
22	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	<u>C.Zaharia*</u> , V.Fedorcea, A.Beda, V.Amarandei, A.Muresan	2014	0,540	5	x	0,540	Article
23	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	<u>C.Zaharia*</u> , D.Suteu	2014	0,692	2	x	0,692	Article

24	Coal fly ash as adsorptive material for treatment of a real textile effluent: operating parameters and treatment performance	Environ Sci Pollut Res, 20(4), 2226-2235	C.Zaharia* , D.Suteu	2013	3,056	2	x	3,056	Article (rosu 2013)
25	Equilibrium, Kinetic, and Thermodynamic Studies of Basic Blue 9 Dye Sorption on Agro-industrial Ligno-cellulosic Materials	Open Chemistry (former Central European Journal of Chemistry), 10(6), 1913-1926	D.Suteu, C.Zaharia , T. Malutan	2012	1,590	3		0,530	Article
26	Options and solutions for textile effluent decolourization using some specific physico-chemical treatment steps	Environ. Eng. Manag.J., 11(2), 493-509	C.Zaharia* , D.Suteu, A.Muresan,	2012	0	3	x	0	Article
27	Assessment of environmental impact of some new aryloxyalkyl carboxylic acid derivatives	Environ. Eng. Manag. J., 11(2), 413-420	A.M.Mocanu, C.Luca, L.Odochian, C.Zaharia , C.Iordache	2012	0	5		0	Article
28	Evaluation of environmental impact produced by different economic activities with the global pollution index	Environmental Science and Pollution Research, 19(6), 2448-2455	C.Zaharia*	2012	3,056	1	x	3,056	Article (rosu)
29	Removal of Orange 16 reactive dye from aqueous solution by wasted sunflower seed shells	Journal of the Serbian Chemical Society, 176(3), 907-924	D.Suteu, C.Zaharia , T.Malutan,	2011	1,023	3		0,341	Article
30	Analytical Control of Soil and Ground Water Quality on a Northern Romanian Solid Waste Landfill	Environ. Eng. Manag. J., 10(11), 1693-1701	C.Zaharia* , D.Suteu	2011	0	2	x	0	Article
31	Assessing the impact of some industrial and transport activities on soil by the global pollution index	Environ. Eng. Manag. J., 10(3), 387-391	C.Zaharia*	2011	0	1	x	0	Article
32	Environmental impact assessment for a unit of food aromas and essences production using the global pollution index	Roumanian Biotechnology Letter, 15 (5), 5583-5558	C.Zaharia* D.Suteu, M.Macoveanu	2010	0,765	3	x	0,765	Article
33	Mathematical modelling and the technological process optimization for the bio-scouring of the cotton textile materials	Industria Textila, 61(2), 70-80	A.Popescu, A. Grigoriu, C. Zaharia , R. Mureşan, A.Mureşan	2010	0	5		0	Article
34	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	C.Zaharia* , I.Murăraşu	2009	0	2	x	0	Article
35	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,	C.Zaharia* , M.Surpăţeanu	2009	0	2	x	0	Article
36	Decolorization wastewaters from the textile industry – physical methods, chemical methods	Industria Textila, 60(5), 254-263	D.Suteu, C. Zaharia , D.Bilba, R.Muresan A.Popescu,	2009	0	6		0	Article

			A.Muresan						
37	Using of industrial waste materials for textile wastewater treatment	Environ. Eng. Manag. J., 8(5), 1097-1102,	D.Suteu, C.Zaharia , A.Muresan, R.Muresan, A.Popescu	2009	0	5		0	Article
38	Textile wastewater treatment by homogenous oxidation with hydrogen peroxide	Environ. Eng. Manag. J., 8(6), 1359-1369	C.Zaharia* , D. Suteu, A.Muresan, R.Muresan, A.Popescu,	2009	0	5	x	0	Article
39	Microwave-assisted chemistry. A review of environmental applications	Environ. Eng. Manag. J., 6(6), 521-527,	M.Surpateanu, C.Zaharia* , G.G.Surpățeanu	2007	0	3	x	0	Article
40	Study of increasing soil fertility into a site with high electric field around using polymeric conditioning agent	Environ. Eng. Manag. J., 6(6), 567-572,	I.I.Dospinescu, C.Zaharia , M.Macoveanu,	2007	0	3		0	Article
41	Assessment of environmental impact generated by municipal waste deposition into a Romanian landfill	J. Environ. Prot. Ecol., 8(2), 332-345	C.Zaharia* , M.Surpățeanu, M.Macoveanu,	2007	0,692	3	x	0,692	Article
42	Study of flocculation with Ponilit GT-2 anionic polyelectrolyte applied into a chemical wastewater treatment	Open Chemistry (former Central European Journal of Chemistry), 5(1), 239-256	C.Zaharia* , R.Diaconescu, M.Surpățeanu	2007	1,590	3	x	1,590	Article
43	Advanced oxidation processes for decolorization of aqueous solution containing Acid Red G azo dye,	Open Chemistry (Central European Journal of Chemistry), 2(4), 573-588	M.Surpățeanu*, C.Zaharia*	2004	1,590	2	x	1,590	Article
44	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	M.Neamțu, C.Zaharia , C.Catrinescu, Ayfer Yediler, A.Kettrup, M.Macoveanu	2004	16,683	6		2,814	Article (rosu)
45	Kinetic study of Blue M-EB dye sorption on ion exchange resins,	Hungarian Journal of Industrial Chemistry, 30,7-11	D.Șuteu, D.Bîlbă, C.Zaharia	2002	0	3		0	Article
46	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	M.Nicu, N.Asandei, M.Dărăngă, C.Zaharia , D.Asandei	1995	0,381	5		0,0762	Article
Total	NT = 46	NP = 30 (7, FI>1)		$\Sigma=$	52,454			33,7518	

* La verificarea îndeplinirii criteriilor minime CNATCU s-au luat în considerare FI pentru 2019, considerați de CNCS începând cu septembrie 2020. Referințele marcate și-au modificat FI de la valori >1 la 0, iar cele marcate pe coloana indică calitatea de prim autor/autor corespondent.

• **Comisia 18: Ingineria Mediului**

Profesor, cercetător CP I, abilitare	NT ≥ 25 NP ≥ 10 (min 6, FI>1) FIC ≥ 20 NC ≥ 100	îndeplinit	NT= 46 NP= 30 (7, FI>1) FIC= 33,7518 NC ≥ 546
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