

Anexa nr. 18 COMISIA DE INGINERIA MEDIULUI

**STANDARDE MINIMALE NECESARE ȘI OBLIGATORII PENTRU CONFERIREA
TITLURILOR DIDACTICE DIN ÎNVĂȚĂMÂNTUL SUPERIOR SI A GRADELOR
PROFESIONALE DE CERCETARE – DEZVOLTARE**

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 autocitările

1. Concurs de Conferențiar/CS II Standarde minimale (cumulative):

- a) NT \geq 15
- b) NP \geq 6, cu minim patru lucrări publicate în reviste cu factor de impact $>$ 1
- c) FIC \geq 12 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 la care nu este autor principal.
- d) NC \geq 60 Brevetele naționale (FI = 1) și internaționale (FI = 3) intră în calculul FIC de la punctul c)

2. Concurs de Profesor/CSI Standarde minimale (cumulative):

- a) NT \geq 25
- b) NP \geq 10, cu minim șase lucrări în reviste cu FI $>$ 1
- c) FIC \geq 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 la care nu este autor principal.
- d) NC \geq 100 Brevetele naționale (FI = 1) și internaționale (FI = 3) intră în calculul FIC de la punctul c)

Cosmin Vancea				
cerinte profesor				
	minim	realizat	raport realizat/minim	observatii**
NT	25	35	1,40	Îndeplinit
NP	10	22	2,20	Îndeplinit
NP cu FI>1	6	13	2,16	Îndeplinit
FIC	20	60,94	3,04	Îndeplinit
NC	100	202 (Scopus)	2,02	Îndeplinit
		181 (Web of science)	1,81	Îndeplinit

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NT realizat = 35 (NT minim = 25)						
NP realizat = 22 (NP minim = 10)						
NP cu FI>1 realizat = 13 (NP cu FI>1 minim = 6)						
FIC realizat = 60,94 (FIC minim = 20)						
Nr. crt.	Articol publicat in revista cotata ISI	Autor principal	Autor principal cu FI>1	Nr. total autori	Ultimul Factor de impact ISI	FIC
1	Vasiliu C., Vancea C., Latia A., Anastasescu M., Todan L., Predoana L., Zaharescu M., Pavelescu G., Grigorescu C., Influence of different phosphorus precursors on the electrical properties of the SiO ₂ -P ₂ O ₅ films obtained by sol-gel, Physica Status Solidi C - Current, Topics in Solid State Physics, 2008, 5(10), 3392. WOS:000259260500035			9	0	0
2	Cosmin Vancea , Mosoarca Giannin, Adina Negrea, Marilena Motoc, Dana Kaycsa, Corina Samoila, Molybdenum-phosphate Glass with High MoO ₃ Content, Revista de Chimie, 2010, 61(9), 848-852. WOS:000284137400009	1		6	0	0
3	Mosoarca Giannin, Negrea Petru, Vancea Cosmin , Motoc Marilena, Anghel Mariana, David Dana, Studies Regarding the Effect of Fly Ash used on Coagulation-settling Process of Water Suspensions, Revista de Chimie, 2010, 61(10), 983-985. WOS:000284244800016			6	0	0
4	Lazau Ioan, Vancea Cosmin , Foam glass as an alternative for glass wastes recycling, Revista Romana de Materiale/ Romanian Journal of Materials, 2012, 42(3), 270-275. WOS:000309295900007			2	0.628	0.314
5	Lazau Ioan, Vancea Cosmin , Mosoarca Giannin, New vitreous matrix for the lead wastes immobilization, Revista Romana de Materiale/ Romanian Journal of Materials, 2013, 43(2), 210-217. WOS:000320638300011			3	0.628	0.209
6	Ioan Lazau, Silvana Borcanescu, Cornelia Pacurariu, Cosmin Vancea , Kinetic study of the non-isothermal crystallization process of hematite in ceramic glazes obtained from CRT wastes, Journal of Thermal Analysis and Calorimetry, 2013, 112(1), 345-351. WOS:000316687400048			4	4.755	1.189
7	Ioan Lazău and Cosmin Vancea , New vitreous matrix for chromium waste immobilization, Central European Journal of Chemistry, 2014, 12(7), 763-768. WOS:000335552200004			2	0	0

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8	Ioan Lazău and Cosmin Vancea , Glass foam from window panes and bottle glass wastes, Central European Journal of Chemistry, 2014, 12(7), 804-811. WOS: 000335552200010	1		2	0	0
9	Cosmin Vancea , Giannin Mosoarca, Adina Negrea, Adina Latia, Romul Marius Jurca, New glass-ceramic matrix for the chromium wastes immobilization, Revista Romana de Materiale/ Romanian Journal of Materials, 2016, 46(3), 296-302. WOS:000383730900006	1		5	0.628	0.628
10	Marius Gheju, Ionel Balcu, Cosmin Vancea , An investigation of Cr(VI) removal with metallic iron in the co presence of sand and/or MnO ₂ , Journal of Environmental Management, 2016, 170, 145-151. WOS: 000371367300018			3	8.91	2.97
11	Cosmin Vancea , Marius Gheju, Giannin Mosoarca, Inertization in vitreous matrix of exhausted reactive mixtures resulted from the removal of Cr(VI) with Fe ₀ in continuous-flow system, Revista Romana de Materiale/ Romanian Journal of Materials, 2017, 47(4), 435-441. WOS:000418507100003	1		3	0.628	0.628
12	Cosmin Vancea , Romul Marius Jurca, Marius Gheju, Giannin Mosoarca, Eco-friendly solution for wastes resulted from the removal of Cr(VI) with Fe ₀ immobilization in glass based stoneware matrix, Revista Romana de Materiale/ Romanian Journal of Materials, 2018, 48(3), 308-314. WOS:000452733000004	1		4	0.628	0.628
13	Giannin Mosoarca, Cosmin Vancea , Simona Popa, Sorina Boran, Adsorption, Bioaccumulation and Kinetics Parameters of the Phytoremediation of Cobalt from Wastewater Using Elodea canadensis, Bulletin of Environmental Contamination and Toxicology, 2018, 100(5), 733-739. WOS:000430187200023	1	1	4	2.807	2.807
14	Vasile Mînzatu, Corneliu Mircea Davidescu, Adina Negrea, Petru Negrea, Mihaela Ciopec, Cosmin Vancea , Cellular glass as inertization alternative for the exhausted composite adsorption material resulted from the removal of arsenic from waste waters, Revista Romana de Materiale/ Romanian Journal of Materials, 2019, 49(2), 193-200. WOS:000474908300004	1		6	0.628	0.628
15	Simona Popa, Sorina Boran, Giannin Mosoarca, Cosmin Vancea , Heat transfer influence on fractionation in flooded packed columns, Studia Universitatis Babes-Bolyai			4	0.558	0.140

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	Chemia, 2019, 64(3), 143-152. WOS:000489744800013					
16	Bogdan A. Militaru, Cosmin Vancea , Rodica Pode, Glass Fertilizers Obtained Using Sewage Sludge ASH Wastes, Revista de Chimie, 2019, 70(11), 3824-3829. WOS:000503185300011	1		3	0	0
17	Mosoarca Giannin, Vancea Cosmin , Popa Simona, Boran Sorina, Tanasie Cristian, A green approach for treatment of wastewater with manganese using wood ash, Journal of Chemical Technology and Biotechnology, 2020, 95(6), 1781-1789. WOS:000530688600018	1	1	5	3.709	3.709
18	Simona Popa, Marius Silviu Milea, Sorina Boran, Sabina Violeta Nitu, Giannin Emanuel Mosoarca, Cosmin Vancea , Radu Ioan Lazau, Rapid adulteration detection of cold pressed oils with their refined versions by UV-Vis spectroscopy, Scientific Reports, 2020, 10(1), 16100. WOS:000577212800012			7	4.996	0.714
19	Giannin Mosoarca, Cosmin Vancea , Simona Popa, Marius Gheju, Sorina Boran, <i>Syringa vulgaris</i> leaves powder a novel low-cost adsorbent for methylene blue removal: isotherms, kinetics, thermodynamic and optimization by Taguchi method, Scientific Reports, 2020, 10(1), 17676. WOS:000585197800006	1	1	5	4.996	4.996
20	Cosmin Vancea , Maria Mihailescu, Adina Negrea, Giannin Mosoarca, Mihaela Ciopec, Narcis Duteanu, Petru Negrea, Vasile Minzatu, Batch and fixed bed column studies on palladium recovery from acidic solution by modified MgSiO ₃ , International Journal of Environmental Research and Public Health, 2020, 17(24), 9500. WOS:000602790200001	1	1	7	4.614	4.614
21	Sorina Boran, Giannin Mosoarca, Sabina Nitu, Cosmin Vancea , Citrus butanol esters having plasticizing and lubricant characteristics obtained in a bubble column type reactor, Studia Universitatis Babeş-Bolyai Chemia, 2021, 66(1), 105-113. WOS:000637282000009			4	0.558	0.140
22	Cosmin Vancea , Giannin Mosoarca, Simona Popa, A sustainable solution to obtain P-K-Mn glass fertilizers from cheap and readily available wastes, International Journal of Environmental Research and Public Health, 2021, 18(12), 6585. WOS:000666192100001	1		3	0	0

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23	Maria Mihailescu, Adina Negrea, Mihaela Ciopec, Petru Negrea, Narcis Duteanu, Ion Grozav, Paula Svera, Cosmin Vancea , Alina Barbulescu, Cristian Stefan Dumitriu, Full Factorial Design for Gold Recovery from Industrial Solutions, 2021, 9(5), 111, https://doi.org/10.3390/toxics9050111 IF = , WOS:000654623700001			10	4.472	0.447
24	Mihaela Ciopec, Oana Grad, Adina Negrea, Narcis Duteanu, Petru Negrea, Cristina Paul, Catalin Ianasi, Giannin Mosoarca, Cosmin Vancea , A new perspective on adsorbent materials based impregnated MgSiO ₃ with crown ethers for palladium recovery, International Journal of Molecular Sciences, 2021, 22(19), 10718. WOS:000709273600001	1	1	10	6.208	6.208
25	Giannin Mosoarca, Simona Popa , Cosmin Vancea , Sorina Boran, Optimization, Equilibrium and Kinetic Modeling of Methylene Blue Removal from Aqueous Solutions Using Dry Bean Pods Husks Powder, Materials, 2021, 14(19), 5673. WOS:000707999100001	1	1	4	3.748	3.748
26	Giannin Mosoarca, Cosmin Vancea , Simona Popa, Sorina Boran, Bathurst burr (<i>Xanthium spinosum</i>) powder a new natural effective adsorbent for crystal violet dye removal from synthetic wastewaters, Materials, 2021, 14(19), 5861. WOS:000706496900001	1	1	4	3.748	3.748
27	Giannin Mosoarca, Cosmin Vancea , Simona Popa, Sorina Boran, Optimization of crystal violet adsorption on common lilac tree leaf powder as natural adsorbent material, Global NEST Journal, 2022, 24(1), 87-96. WOS:000797022700011	1	1	4	1.134	1.134
28	Giannin Mosoarca, Cosmin Vancea , Simona Popa, Mircea Dan, Sorina Boran, The Use of Bilberry Leaves (<i>Vaccinium myrtillus</i> L.) as an Efficient Adsorbent for Cationic Dye Removal from Aqueous Solutions, Polymers, 2022, 14(5), 978. WOS:000768735700001	1	1	5	4.967	4.967
29	Giannin Mosoarca, Simona Popa, Cosmin Vancea , Mircea Dan, Sorina Boran, Removal of methylene blue from aqueous solutions using a new natural lignocellulosic adsorbent - raspberry (<i>Rubus idaeus</i>) leaves powder, Polymers, 2022, 14(10), 1966. WOS:000803656800001	1	1	5	4.967	4.967

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30	Alin Gabriel Gabor, Virgil-Florin Duma, Mihai M.C. Fabricky, Liviu Marsavina, Anca Tudor, Cosmin Vancea , Petru Negrea, Cosmin Sinescu, Ceramic Scaffolds for Bone Augmentation: Design and Characterization with SEM and Confocal Microscopy, Materials, 2022, 15(14), 4899. WOS:000833110700001			8	3.748	0.469
31	Giannin Mosoarca, Cosmin Vancea , Simona Popa, Sorina Boran, Maria Elena Radulescu-Grad, Crystal violet removal from aqueous solutions using dry bean pods husks powder - optimization and desorption studies, Ovidius University Annals Of Chemistry, 2022, 33(2), 129-134. WOS:000843699700001			5	0.0	0.0
32	Giannin Mosoarca, Cosmin Vancea , Simona Popa, Mircea Dan, Sorina Boran, Crystal violet adsorption on eco-friendly lignocellulosic material obtained from motherwort (Leonurus cardiaca L.) biomass, Polymers, 2022, 14, 3825. WOS:000856988400001	1	1	5	4.967	4.967
33	Cosmin Vancea , Giannin Mosoarca, Romul Marius Jurca, Cathode ray tubes glass wastes used for vitrification of iron oxide rich waste resulted from the groundwater treatment, Ovidius University Annals of Chemistry, 2022, 33(2), 172 – 176. WOS:000883793100002	1		3	0	0
34	Giannin Mosoarca, Cosmin Vancea , Simona Popa, Maria Elena Radulescu-Grad, Sorina Boran, Powdered adsorbent obtained from bathurst burr biomass for methylene blue removal from aqueous solutions, Journal of the Serbian Chemical Society, 2023, 88(3) 327–341. WOS:000835424700001	1	1	5	1.100	1.100
35	Cosmin Vancea, Giannin Mosoarca , Simona Popa, Mircea Dan, Sorina Boran, New Glass Ceramic Materials Obtained from Cathode Ray Tubes Glass Wastes and Fly Ash, Sustainability 2023, 15, 3021. WOS:000940059000001	1	1	5	3.889	3.889
Brevete nationale						
1	Gheju Marius, Balcu Ionel, Mosoarca Giannin, Vancea Cosmin , Compozitie sinergica reactiva pentru tratarea apelor poluate cu crom hexavalent, Brevet de inventie, nr. 132867, 30.08.2021				1	1
TOTAL		22	13		83,60	60,94

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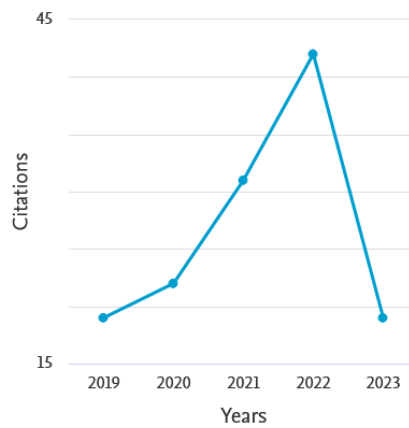
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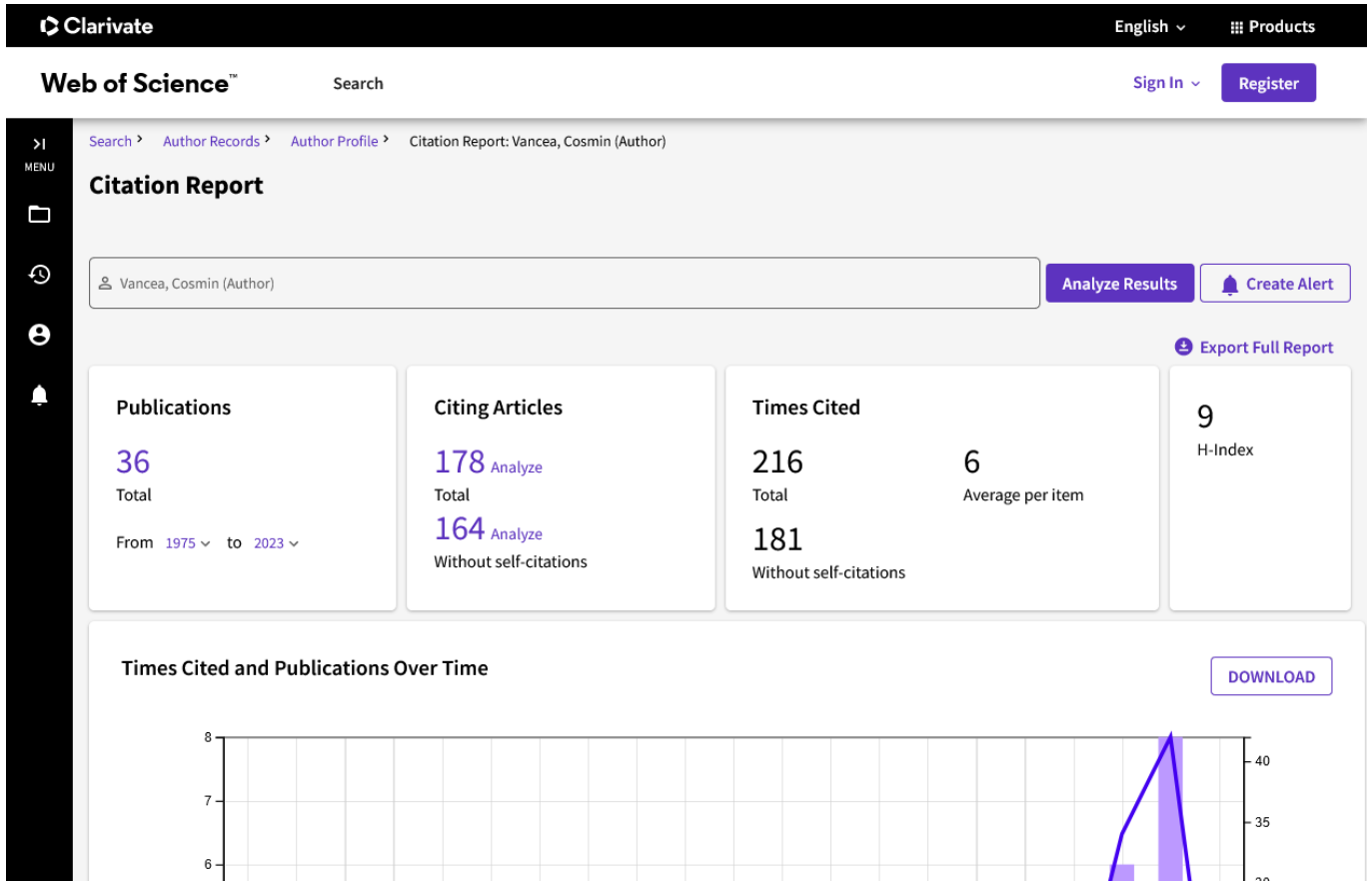
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<input type="checkbox"/> 2 STUDIES REGARDING COPPER IONS REMOVAL FROM WASTEWATERS USING...	2023							0		0
<input type="checkbox"/> 3 Crystal Violet Adsorption on Eco-Friendly Lignocellulosic Ma...	2022						1	1		1
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<input type="checkbox"/> 6 Optimization of crystal violet adsorption on common lilac tr...	2022						1	1		1
<input type="checkbox"/> 7 The Use of Bilberry Leaves (Vaccinium myrtillus L.) as an Ef...	2022					4		4		4

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NC = 181



Semnătură candidat