

Fișa privind standardele naționale pentru CSII, domeniul CHIMIE

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ICI UAIC- Departamentul de Științe Exacte și Științe ale Naturii

ORDIN nr. 6129 din 20 decembrie 2016 /ANEXA nr. 4: COMISIA DE CHIMIE - STANDARDE MINIMALE NECESARE ȘI OBLIGATORII PENTRU CONFERIREA TITLURILOR DIDACTICE DIN ÎNVĂȚĂMÂNTUL SUPERIOR ȘI A GRADELOR PROFESIONALE DE CERCETARE-DEZVOLTARE

(1) Criterii generale:

Categorie	Nmax(*)	FIC(**)	FIC _{AP} (****)	h index
Conferențiar/CS2	30	50	20	9

(*) Nmax - primele maxim N lucrări, organizate în ordine descrescătoare a factorilor de impact a revistelor în care au fost publicate;

(**) FIC - factorul de impact cumulat minimal al revistelor în care s-au publicat lucrările în cauză;

(****) FIC_{AP} - factorul de impact cumulat minimal din publicații în calitate de autor principal (prim-autor și autor de corespondență);

(2) Recomandări suplimentare: - Activitatea didactică, cărți, manuale, cursuri, suporturi de curs se pot introduce drept criterii proprii de către universități/institute. - Capitolele de cărți se echivalează cu articole cu FI = 2 (doi), în cărțile prezente în mai mult de 150 de biblioteci (viabile în motorul de căutare UEFISCDI); - Brevetele internaționale (de tipul EU, WO) se echivalează (fiecare) cu un articol cu FI = 4 (patru).

Primele maxim N lucrari, organizate in ordine descrescătoare a factorilor de impact al revistelor in care au fost publicate (Nmax = 30)

		FI
1	Corina Ciobanasu , Bruno Faivre and Christophe Le Clainche, <i>Actomyosin-dependent formation of the mechanosensitive talin–vinculin complex reinforces actin anchoring</i> , Nature Communications , 5: 3095, 2014, https://doi.org/10.1038/ncomms4095	17.694
2	Corina Ciobanasu , Bruno Faivre and Christophe Le Clainche, <i>Reconstituting actomyosin-dependent mechanosensitive protein complexes in vitro</i> , Nature Protocols , 10, 75–89, 2015, https://doi.org/10.1038/nprot.2014.200	17.021
3	Ciobanasu, Corina , <i>Confocal Laser Scanning Microscopy and Model Membranes to Study Translocation Mechanisms of Membrane Active Peptides</i> . Pharmaceutics , 14, 1699, 2022, https://doi.org/10.3390/pharmaceutics14081699	6.525
4	Corina Ciobanasu , Bruno Faivre and Christophe Le Clainche, <i>Integrating actin dynamics, mechanotransduction and integrin activation: the multiple functions of actin binding proteins in focal adhesions</i> , European Journal of Cell Biology , 92(10-11), 2013, 339-348, https://doi.org/10.1016/j.ejcb.2013.10.009	6.02
5	Corina Ciobanasu , Hong Wang, Véronique Henriot, Cécile Mathieu, Annabelle Fente, Sandrine Csillag, Clémence Vigouroux, Bruno Faivre, Christophe Le Clainche, <i>Integrin-bound talin head inhibits actin filament barbed-end elongation</i> , Journal of Biological Chemistry , 293, 2586-2596, 2018, https://doi.org/10.1007/s00232-017-9999-1	5.485
	Corina Ciobanasu* , <i>Peptides-based therapy and diagnosis. Strategies for non-invasive</i>	

6	therapies in cancer. <i>Journal of Drug Targeting</i> , 2021. 29(10): p. 1063-1079. https://doi.org/10.1080/1061186X.2021.1906885	5.016
7	Corina Ciobanasu* , A Rzeszutek, U Kubitscheck, R Willumeit, <i>NKCS, a Mutant of the NK-2 Peptide, Causes Severe Distortions and Perforations in Bacterial, But Not Human Model Lipid Membranes</i> , <i>Molecules</i> 20 (4), 2015, 6941-6958 https://doi.org/10.3390/molecules20046941	4.927
8	Katharina M. Scherer, Imke Wiedemann, Corina Ciobanasu , Hans-Georg Sahl, and Ulrich Kubitscheck, <i>Aggregates of Nisin with Various Bactoprenol-containing Cell Wall Precursors Differ in Size and Membrane Permeation Capacity</i> , <i>BBA Biomembranes</i> , 1828(11), 2013, 2628–2636, https://doi.org/10.1016/j.bbamem.2013.07.014	4.019
9	Corina Ciobanasu , Jan Peter Siebrasse and Ulrich Kubitscheck, <i>Cell penetrating HIV1 TAT peptides can form pores in model membranes</i> , <i>Biophysical Journal</i> , 99 (1) 2010, 153-162, https://doi.org/10.1016/j.bpj.2010.03.065	3.699
10	Scherer, Katharina, Wiedemann, Imke, Ciobanasu, Corina , Sahl, Hans-Georg, Kubitscheck, Ulrich, <i>Fluorescence Microscopy Monitoring of Nisin Binding to Bactoprenol Bound Cell Wall Precursors</i> , 2012, <i>Biophysical Journal</i> , 102 (3), 92A-92A, DOI: 10.1016/J.BPJ.2011.11.523	3.699
11	Hermanowska, Malgorzata, Bijelic, Goran, Ciobanasu, Corina , Kubitscheck, Ulrich, Claesson, Per, Klosgen, Beate M., <i>Charges in phospholipid layers</i> , 2009, <i>Biophysical Journal</i> , 96 (3): 18A-18A, DOI: 10.1016/J.BPJ.2008.12.994	3.699
12	Corina Ciobanasu , Enno Harms, Gisela Tünnemann, M. Cristina Cardoso and Ulrich Kubitscheck, <i>Cell-penetrating HIV1 TAT peptides float on model lipid bilayers</i> , <i>Biochemistry</i> , 2009, 48 (22), 4728–4737, https://doi.org/10.1021/bi900365s	3.321
13	Corina Ciobanasu* , Isabela Dragomir, Aurelia Apetrei, <i>The penetrating properties of the tumor homing peptide LyP-1 in model lipid membranes</i> , <i>Journal of Peptide Science</i> , 25(3):e314., 2019, doi: 10.1002/psc.3145, https://doi.org/10.1002/psc.3145	2.408
14	A Asandei, I Schiopu, C.Ciobanasu , Y Park, T Luchian, <i>If squeezed, a camel passes through the eye of a needle: voltage-mediated stretching of dendrimers facilitates passage through a nanopore</i> , <i>Journal of membrane biology</i> , 251 (3), 2018, 405-417 https://doi.org/10.1007/s00232-017-9999-1	2.426
15	Corina Ciobanasu , Tudor Luchian , “Emerging factors for improved cell membrane permeabilization with membrane active peptides”, <i>European Biophysics Journal with Biophysics Letters</i> (2019) 48 (Suppl 1):S159–S150, https://doi.org/10.1007/s00249-019-01373-4	2.095
16	Corina Ciobanasu , Aurelia Apetrei, “The tumor homing peptide tLyp shows penetrating properties in model membranes”, <i>Eur Biophys J</i> (2017) 46 (Suppl 1):S43–S402, https://doi.org/10.1007/s00249-017-1222-x	2.095
17	T. Malutan, Corina Mocanu , S. Ciovisa, <i>Synthesis and characterization of new cellulose derivatives in a dimethylacetamide/lithium chloride homogeneous system</i> , <i>Cellulose Chemistry and Technology</i> , 42(1/3), 2008, 1-7, ISSN: 0576-9787 WOS:000265267600001	1.387
18	Ciobanasu Corina , and Kubitscheck U., <i>Cell penetrating peptides targeting and distorting biological membranes</i> . In "Surface and Interface Science Vol. 7: Solid/Liquid and Biological Interfaces", ed. K. Wandelt, Wiley-VCH, Weinheim. ISBN: 978-3-527-41159-7, 2020, https://doi.org/10.1002/9783527680597.ch55	2
19	Corina Ciobanasu , B Faivre, C Le Clainche, <i>Actin dynamics associated with focal adhesions</i> , <i>International Journal of Cell Biology</i> , vol. 2012, Article ID 941292, 9 pages, 2012, https://doi.org/10.1155/2012/941292	

20	Corina Ciobanasu* , Research highlight: <i>A biomimetic system to reconstitute and test the actomyosin-dependent mechanosensitive protein complexes. Mol Med Chem</i> 2015; 2: e910. doi: 10.14800/mmc.910	
21	Corina Ciobanasu , „Mobility and Translocation of TAT Peptides in Model Membranes”, 2010, ”Institute of Physical and Theoretical Chemistry”, Rheinische Friedrich-Wilhelms University Bonn, Germany, https://hdl.handle.net/20.500.11811/4659	
22	Corina Ciobanasu , Ulrich Kubitscheck, Single molecule microscopy- an attractive tool for characterization of nanoenvironments, <i>Mod. Polym. Mat. Env. Appl.</i> , 4 (2), 1-7 (2010), ISBN/ISSN: 978-83-930641-1-3	
23	Corina Mocanu , Sorin Ciovisa, “Pulp Dissolving. Present status and future. I Pulp real solvents”, <i>Pulp and paper</i> , 57 (1), 27-31, 2008	
24	Corina Mocanu , Sorin Ciovisa, “Pulp Dissolving. Present status and future. II Pulp reactive solvents”, <i>Pulp and paper</i> , 57(1), 41-45, 2008	
25	Th. Măluțan, Corina Mocanu , "Synthesis and characterization of phosphorylated cellulose", <i>Pulp and paper</i> , 56(1), 38-43, 2007	
26	Corina Mocanu , S.Ciovisa, A. Murariu, K. Pielichowski, “Cellulose Dissolution in Lithium Chloride/N,N-Dimethylacetamide System under Microwave Irradiation”, <i>Bulletin of Polytechnic Institute of Iasi</i> , Section Chemistry and Chemical Engineering, Tome LI-LV (3-4), 86-97 (2005)	
27	Corina Mocanu , S. Ciovisa, K. Pielichowski, Alina Murariu, J. Pielichowski, J. Polaczek, „Synthesis of Phosphorylated Cellulose for Biomaterials Applications”, <i>Mod. Polym. Mat. Env. Appl.</i> , 2, 109-112 (2006)	
28	Corina Mocanu , S.Ciovisa, A. Murariu, K. Pielichowski, “Poly(Aspartic Acid)- a Biodegradable Polymer with high possibilities for Environmentally Friendly Application”, <i>RSCC Magazine</i> , 6(1), 42-60, (2006)	
29	A. Murariu, K. Pielichowski, S.Ciovisa, J. Pielichowski, Corina Mocanu , J. Polaczek, E. Tylek, “Microwave Irradiation as a Novel Alternative for Poly(Aspartic Acid) Synthesis” <i>RSCC Magazine</i> , 5(2), 34-43 (2005)	
30	Corina Mocanu , K. Pielichowski, A. Murariu, S.Ciovisa, J. Pielichowski, J. Polaczek, “Cellulose Dissolution in LiCl/DMAc System- an Important Step in Cellulose Functionalization Towards Biodegradable Composites”, in <i>Mod. Polym. Mat. Env. Appl.</i> , 1, 101-104, (2004)	

Indicator	CS II	Realizat	Observatii
FIC	50	81,948	Criteriu indeplinit
FIC_{AP}	20	74.116	Criteriu indeplinit
h	9	10	Criteriu indeplinit

h-index Web of Science: 10/ h-index Scopus: 10/ h-index Google Academic: 10