



ACADEMIA ROMÂNĂ
SCOSAAR

FIȘA DE ÎNDEPLINIRE A STANDARDELOR MINIMALE conform CNATDCU

Candidat: CSII Dr. Maria Valentina DINU

Categorie Habilitare	N_{max} (*)	FIC (**)	FIC_D (***)	FIC_{AP} (****)	FIC_{AC} (*****)	H index
Cerinte	50	100	70	50	25	13
Realizat	37	141.888	120.789	93.679	48.951	22

(*) N_{max} = număr maxim de lucrări științifice selectate, organizate în ordine descrescătoare a factorilor de impact corespunzători revistelor în care au fost publicate;

(**) FIC = factorul de impact cumulat minimal al revistelor în care s-au publicat cele 50 de lucrări selectate;

(***) FIC_D = factorul de impact cumulat minimal din cele 50 publicații selectate în domeniile de cercetare declarate;

(****) FIC_{AP} = factorul de impact cumulat minimal din cele 50 de publicații selectate în calitate de autor principal (prim autor și/sau autor de corespondență);

(*****) FIC_{AC} = factorul de impact cumulat minimal din cele 50 de publicații selectate în calitate de autor de corespondență.

Data: 06.07.2020

Semnătura:

Maria Valentina DINU

FISA DE VERIFICARE

Lista a 50 articole selectate (N_{max}) publicate in reviste de specialitate de circulatie internationala (indexate de Web of Science)

Categorii: Profesor universitar CSI/Abilitare	N_{max}	FIC	FIC _D	FIC _{AP}	FIC _{AC}
Conditii minimale	50	100	70	50	25
Punctaj obtinut de candidat	37	141.888	120.789	93.679	48.951
1	Doina Humelnicu, Maria Marinela Lazar, Maria Ignat, Ionel Adrian Dinu, Ecaterina Stela Dragan, Maria Valentina Dinu , Removal of heavy metal ions from multi-component aqueous solutions by low-cost and eco-friendly composite sorbents with anisotropic pores, <i>J. Hazard. Mater.</i> 381 (2020) 120980.	9.038	9.038	9.038	9.038
2	Maria Valentina Dinu , Ionel Adrian Dinu, Maria Marinela Lazar, Ecaterina Stela Dragan, Chitosan-based ion-imprinted cryo-composites with excellent selectivity for copper ions, <i>Carbohydr. Polym.</i> 186 (2018) 140-149.	7.182	7.182	7.182	7.182
3	Maria Valentina Dinu , Ana Irina Cocarta, Ecaterina Stela Dragan, Synthesis, characterization and drug release properties of 3D chitosan/clinoptilolite biocomposite cryogels, <i>Carbohydr. Polym.</i> 153 (2016) 203-211.	7.182	7.182	7.182	-
4	Maria Valentina Dinu , Martin Přádný, Ecaterina Stela Dragan, Jiří Michálek, Ice-templated hydrogels based on chitosan with tailored porous morphology, <i>Carbohydr. Polym.</i> 94 (2013) 170-178.	7.182	7.182	7.182	-
5	Ecaterina Stela Dragan, Maria Marinela Perju, Maria Valentina Dinu , Preparation and characterization of IPN composite hydrogels based on polyacrylamide and chitosan and their interaction with ionic dyes, <i>Carbohydr. Polym.</i> 88 (2012) 270-281.	7.182	7.182	-	-
6	Maria Valentina Dinu , Ecaterina Stela Dragan, Andrzej W. Trochimczuk, Sorption of Pb(II), Cd(II) and Zn(II) by iminodiacetate chelating resins in non-competitive and competitive conditions, <i>Desalination</i> 249 (2009) 374-379	7.098	7.098	7.098	-
7	Maria Valentina Dinu , Ionel Adrian Dinu, Sina Simone Saxer, Wolfgang Meier, Uwe Pielles, and Nico Bruns, Stabilizing enzymes within polymersomes by co-encapsulation of trehalose, <i>Biomacromolecules</i> (2020) https://doi.org/10.1021/acs.biomac.0c00824	6.092	6.092	6.092	6.092

8	Luminita Marin, Iuliana Stoica, M. Mares, Maria Valentina Dinu , Bogdan C. Simionescu, Mihai Barboiu, Antifungal vanillin–imino-chitosan biodynameric films, <i>J. Mat. Chem. B</i> 1 (2013) 3353-3358.	5.344	-	-	-
9	Irina Elena Raschip, Nicusor Fifere, Cristian Varganici, Maria Valentina Dinu , Development of antioxidant and antimicrobial xanthan-based cryogels with tuned porous morphology and controlled swelling features, <i>Int. J. Biol. Macromol.</i> 156 (2020) 608-620.	5.162	5.162	5.162	5.162
10	Maria Marinela Lazar, Ionel Adrian Dinu, Mihaela Silion, Ecaterina Stela Dragan, Maria Valentina Dinu , Could the porous chitosan-based composite materials have a chance to a "NEW LIFE" after Cu(II) ion binding? <i>Int. J. Biol. Macromol.</i> 131 (2019) 134–146.	5.162	5.162	5.162	5.162
11	Maria Valentina Dinu , Mariana Spulber, Kasper Renggli, Dalin Wu, C. A. Monnier, A. Petri-Fink, Nico Bruns, Filling polymersomes with polymers by peroxidase-catalyzed atom transfer radical polymerization, <i>Macromol. Rapid Commun.</i> 36 (2015) 507-514.	4.886	4.886	4.886	-
12	Maria Valentina Dinu , Murat Mehmet Ozmen, Ecaterina Stela Dragan, Oguz Okay, Freezing as a path to build macroporous structures: superfast responsive polyacrylamide hydrogels, <i>Polymer</i> 48 (2007) 195-204.	4.231	4.231	4.231	-
13	Cristina Doina Vlad, Maria Valentina Dinu , Stela Dragan, Thermogravimetric analysis of some crosslinked acrylamide copolymers and ion exchangers, <i>Polym. Degrad. Stab.</i> 79 (2003) 153-159.	4.032	-	-	-
14	Daniel Timpu, Liviu Sacarescu, Tudor Vasiliu, Maria Valentina Dinu , Geta David, Surface cationic functionalized nano-hydroxyapatite – Preparation, characterization, effect of coverage on properties and related applications, <i>Eur. Polym. J.</i> 132 (2020) 109759.	3.862	-	3.862	3.862
15	Ecaterina Stela Dragan, Maria Valentina Dinu , Gabriela Lisa, Andrej Trochimczuk, Study on metal complexes of chelating resins bearing iminodiacetate groups, <i>Eur. Polym. J.</i> 45 (2009) 2119-2130.	3.862	-	-	-
16	Diana Felicia Apopei, Maria Valentina Dinu , Andrej Trochimczuk, Ecaterina Stela Dragan, Sorption isotherms of heavy metal ions onto semi-interpenetrating polymer network cryogels based on polyacrylamide and anionically modified potato starch, <i>Ind. Eng. Chem. Res.</i> 51 (2012) 10462-10471.	3.573	3.573	-	-
17	Iuliana Spiridon, Narcis Anghel, Maria	3.426	-	-	-

	Valentina Dinu , Stelian Vlad, Adrian Bele, Bianca Iulia Ciubotariu, Liliana Verestiuc, Daniela Pamfil, Development and performance of bioactive compounds-loaded cellulose/ collagen/ polyurethane materials, <i>Polymers</i> 12 (2020) 1191.				
18	Silviu Jipa, Traian Zaharescu, Radu Setnescu, Ecaterina Stela Drăgan, Maria Valentina Dinu , Thermal and radiochemical degradation of some PAN copolymers, <i>Mat. Chem. Phys.</i> 112 (2008) 612-616.	3.408	-	-	-
19	Ecaterina Stela Dragan and Maria Valentina Dinu , Advances in porous chitosan-based composite hydrogels: Synthesis and applications, <i>React. Funct. Polym.</i> 146 (2020) 104372.	3.333	3.333	3.333	3.333
20	Ecaterina Stela Dragan, Doina Humelnicu, Maria Valentina Dinu , Design of porous strong base anion exchangers bearing N,N-dialkyl 2-hydroxyethyl ammonium groups with enhanced retention of Cr(VI) ions from aqueous solution, <i>React. Funct. Polym.</i> 124 (2018) 55-63.	3.333	-	-	-
21	Maria Valentina Dinu , Maria Marinela Lazar, Ecaterina Stela Dragan, Dual ionic cross-linked alginate/clinoptilolite composite microbeads with improved stability and enhanced sorption properties for methylene blue, <i>React. Funct. Polym.</i> 116 (2017) 31-40.	3.333	3.333	3.333	3.333
22	Maria Valentina Dinu , Maria Marinela Perju, Ecaterina Stela Drăgan, Composite IPN ionic hydrogels based on polyacrylamide and dextran sulfate, <i>React. Funct. Polym.</i> 71 (2011) 881-890.	3.333	3.333	3.333	-
23	Maria Valentina Dinu and Ecaterina Stela Dragan, Heavy metals adsorption on some iminodiacetate chelating resins as a function of the adsorption parameters, <i>React. Funct. Polym.</i> 68 (2008) 1346-1354.	3.333	3.333	3.333	-
24	Doina Humelnicu, Ecaterina Stela Dragan, Maria Valentina Dinu , A comparative study on Cu ²⁺ , Zn ²⁺ , Ni ²⁺ , Fe ³⁺ , and Cr ³⁺ metal ions removal by chitosan-based composite cryogels, <i>Molecules</i> 25 (2020) 2664.	3.267	3.267	3.267	3.267
25	Ecaterina Stela Drăgan, Ecaterina Avram, Maria Valentina Dinu , Organic ion exchangers as beads. Synthesis, characterization and applications, <i>Polym. Adv. Technol.</i> 17 (2006) 571-578.	2.578	-	-	-
26	Irina Elena Raschip, Oana Maria Paduraru-Mocanu, Loredana Elena Nita, Maria Valentina Dinu , Antibacterial porous xanthan-based films containing flavoring agents evaluated by near	2.52	2.52	2.52	2.52

	infrared chemical imaging technique, <i>J. Appl. Polym. Sci.</i> (2020) DOI: 10.1002/app.49111.				
27	Ecaterina Stela Drăgan, Maria Valentina Dinu , Cristina Doina Vlad, Ion-exchange resins. II. Acrylamide crosslinked copolymers as precursors for some ion exchangers, <i>J. Appl. Polym. Sci.</i> 89 (2003) 2701-2707.	2.52	-	-	-
28	Maria Valentina Dinu , Martin Prádny, Ecaterina Stela Drăgan, J. Michálek, Morphological and swelling properties of porous hydrogels based on poly(hydroxyethyl methacrylate) and chitosan modulated by ice-templating process and porogen leaching, <i>J. Polym. Res.</i> 20 (2013) 285-295.	2.426	2.426	2.426	-
29	Maria Valentina Dinu , Maria Marinela Perju, Ecaterina Stela Drăgan, Porous semi-interpenetrating hydrogel networks based on dextran and polyacrylamide with superfast responsiveness, <i>Macromol. Chem. Phys.</i> 212 (2011) 240-251.	2.335	2.335	2.335	-
30	Murat Mehmet Ozmen, Maria Valentina Dinu , Oguz Okay, Preparation of macroporous poly(acrylamide) hydrogels in DMSO/water mixture at subzero temperatures, <i>Polym. Bull.</i> 60 (2008) 169-180.	2.014	2.014	-	-
31	Maria Marinela Perju, Maria Valentina Dinu , Ecaterina Stela Drăgan, Sorption of Methylene Blue onto ionic composite hydrogels based on polyacrylamide and dextran sulfate: Kinetics, isotherms, and thermodynamics, <i>Sep. Sci. Technol.</i> 47 (2012) 1322-1333.	1.718	1.718	-	-
32	Camelia Hulubei, Cristina Doina Vlad, Maria Valentina Dinu , New crosslinked bead-like copolymers based on N-p-carboxyphenyl-maleimide, <i>High Perform. Polym.</i> 18 (2006) 243-253.	1.568	-	-	-
33	Maria Valentina Dinu , Simona Schwarz, Ionel Adrian Dinu, Ecaterina Stela Drăgan, Comparative rheological study of ionic semi-IPN composite hydrogels based on polyacrylamide and dextran sulphate and of polyacrylamide hydrogels, <i>Colloid Polym. Sci.</i> (2012) 290, 1647-1657.	1.536	1.536	1.536	-
34	Maria Valentina Dinu , Camelia Hulubei, Cristina Doina Vlad, Poli(N-p-carboxifenil-maleimida-co-trimetilolpropan triacrilat) <i>Mater. Plast.</i> 40 (2003) 186-189.	1.517	-	-	-
35	Murat Mehmet Ozmen, Maria Valentina Dinu , Ecaterina Stela Drăgan, Oguz Okay, Preparation of 4icroporous acrylamide-based hydrogels: Cryogelation under isothermal conditions, <i>J. Macromol. Sci. A Pure Appl.</i>	1.349	1.349	-	-

	<i>Chem.</i> 44 (2007) 1195 – 1202.				
36	Maria Valentina Dinu , Elena Diana Comanita, Ecaterina Stela Drăgan, Kinetic study on heavy metals adsorption by iminodiacetate chelating resins, <i>Env. Eng. Manag. J.</i> 11 (2012) 1587-1594.	1.186	-	1.186	-
37	Diana Felicia Apopei, Maria Valentina Dinu , Ecaterina Stela Dragan, Graft copolymerization of acrylonitrile onto potatoes starch by ceric ion, <i>Digest J. Nanomat. Biostr.</i> 7 (2012) 707-716.	0.785	-	-	-
Total punctaj candidat		141.888	120.789	93.679	48.951



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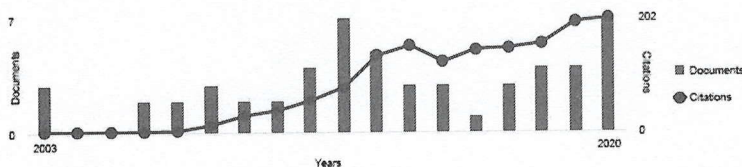
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