



ACADEMIA ROMÂNĂ
SCOSAAR

AVIZAT

PREȘEDINTE SCOSAAR

Bogdan C. Simionescu
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ÎNDEPLINIREA STANDARDELOR MINIMALE

DA | NU

**FIȘA DE ÎNDEPLINIRE A STANDARDELOR MINIMALE
conform CNATDCU**

Candidat: CS II Dr. **Maria-Cristina Popescu**

Criterii generale:

Categorie Habilitare	Nmax(*)	FIC (**)	FIC _D (***)	FIC _{AP} (****)	FIC _{AC} (*****)	H index
Cerinte	50	100	70	50	25	13
Realizat	45	129.895	91.172	73.003	50.659	21

(*) Nmax - primele maxim N lucrări, organizate în ordinea 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_D - factorul de impact cumulat minimal din publicații în domeniile de cercetare declarate;

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

(*****) FIC_{AC} - factorul de impact cumulat minimal din publicații în calitate de autor de corespondență.

FIȘA DE VERIFICARE
a îndeplinirii standardelor minimale
CS II Dr. Maria-Cristina Popescu

N	Lista lucrari	FI	FI _D	FI _{AP}	FI _{AC}
1	L. Marin, M.-C. Popescu , A. Zabolica, H. Uji-I, E. Fron, Chitosan as matrix for bio-polymer dispersed liquid crystal systems, <i>Carbohydr. Polym.</i> , 95, 16-24, 2013;	7.182	7.182		
2	M.-C. Popescu , B.-I. Dogaru, C.-M. Popescu, The influence of cellulose nanocrystals content on the water sorption properties of bio-based composite films, <i>Mater. Des.</i> , 132, 170-177, 2017;	6.289	6.289	6.289	
3	M.-C. Popescu , C. Vasile, D. Macocinschi, M. Lungu, O. Craciunescu, Biomaterials based on new polyurethane and hydrolyzed collagen, k-elastin, hyaluronic acid and chondroitin sulfate, <i>Int. J. Biol. Macromol.</i> , 47, 646-653, 2010;	5.162	5.162	5.162	5.162
4	M.-C. Popescu , M. Totolin, C.M. Tibirna, A. Sdrobis, T. Stevanovic, C. Vasile, Grafting of softwood kraft pulps fibers with fatty acids under cold plasma conditions, <i>Int. J. Biol. Macromol.</i> , 48(2), 326-335, 2011;	5.162	5.162	5.162	
5	I.E. Raschip, G.E. Hitruc, C. Vasile, M.-C. Popescu , Effect of the lignin type on the morphology and thermal properties of the xanthan/lignin hydrogels, <i>Int. J. Biol. Macromol.</i> , 54, 230-237, 2013;	5.162			
6	M.-C. Popescu , Structure and sorption properties of CNC reinforced PVA films, <i>Int. J. Biol. Macromol.</i> , 101, 783-790, 2017;	5.162	5.162	5.162	5.162
7	M.-C. Popescu , B.-I. Dogaru, M. Goanta, D. Timpu, Structural and morphological evaluation of CNC reinforced PVA/Starch biodegradable films, <i>Int. J. Biol. Macromol.</i> , 116, pp. 385-393, 2018	5.162	5.162	5.162	5.162
8	M.-C. Popescu , B.-I. Dogaru, D. Sun, E. Stoleru, B. C. Simionescu, Structural and sorption properties of bio-nanocomposite films based on κ -carrageenan and cellulose nanocrystals, <i>Int. J. Biol. Macromol.</i> , 135, 462-471, 2019	5.162	5.162	5.162	5.162
9	B.-I. Dogaru, B. C. Simionescu, M.-C. Popescu , Synthesis and characterization of κ -carrageenan bio-nanocomposite films reinforced with bentonite nanoclay, <i>Int. J. Biol. Macromol.</i> 154, 9-17, 2020	5.162	5.162	5.162	5.162
10	C. Smaranda, M.-C. Popescu , D. Bulgariu, T. Malutan, M. Gavrilescu, Adsorption of organic pollutants onto a Romanian soil: Column dynamics	4.966			

	and transport, <i>Process Safety Environ. Protect.</i> , 108, 108-120, 2017;				
11	L. Marin, S. Moraru, M.-C. Popescu , A. Nicolescu, C. Zgardan, B.C. Simionescu, M. Barboiu, Out-of-water constitutional self-organization of chitosan-cinnamaldehyde dynagels, <i>Chemistry - A Eur. J.</i> , 20(16), 4814-4821, 2014;	4.857			
12	I. Spiridon, M.-C. Popescu , R. Bodârlău, C. Vasile, Enzymatic degradation of some nanocomposites of poly(vinyl alcohol) with starch, <i>Polym. Degrad. Stabil.</i> , 93(10), 1884-1890, 2008;	4.032	4.032		
13	E. Parparita, M. T. Nistor, M.-C. Popescu , C. Vasile, TG/FT-IR/MS study on thermal decomposition of polypropylene/biomass composites, <i>Polym. Deg. Stabil.</i> , 109, 13-20, 2014;	4.032			
14	M.-C. Popescu , C. Vasile, Two-dimensional infrared correlation spectroscopic studies of polymer blends – Specific interactions in polyethylene adipate/cholesteryl palmitate blends, <i>Spectrochim. Acta A: Mol. Biomol. Spec.</i> , 79, 45-50, 2011;	3.232	3.232	3.232	3.232
15	M.-C. Popescu , B.C. Simionescu, Multivariate Statistical Analysis of Mid-Infrared Spectra for G1 Allyl-Terminated Carbosilane Dendrimer, <i>Spectrochim. Acta A: Mol. Biomol. Spec.</i> , 92, 398-405, 2012;	3.232	3.232	3.232	3.232
16	R.D. Rusu, B. Simionescu, A.V. Oancea, M. Geba, L. Stratulat, D. Salajan, L.E. Ursu, M.-C. Popescu , M. Dobromir, M. Murariu, C. Cotofana, M. Olaru, Analysis and structural characterization of pigments and materials used in Nicolae Grigorescu heritage paintings, <i>Spectrochim. Acta A: Mol. Biomol. Spec.</i> 168, 218-229, 2016;	3.232			
17	M. C. Pascu, M.-C. Popescu , C. Vasile, Surface modifications of some nanocomposites containing starch, <i>J. Phys. D. Appl. Phys.</i> , 41(17), 175407, 2008;	3.169	3.169		
18	G. Tantaru, M.-C. Popescu , A. Poiata, G. Lisa, C. Vasile, Spectroscopic, thermal and antimicrobial properties of the copper (II) complex of Schiff base derived from 2-(salicylidene) aminopyridine, <i>Appl. Organomet. Chem.</i> , 26, 356-361, 2012;	3.14	3.14	3.14	3.14
19	M.-C. Popescu , B.-I. Dogaru, C.-M. Popescu, Effect of cellulose nanocrystals nanofiller on the structure and sorption properties of carboxymethyl cellulose-glycerol-cellulose nanocrystals nanocomposite systems, <i>Materials</i> , 13(13), 2900, 2020	3.057	3.057	3.057	
20	M.-C. Popescu , D. Filip, C. Vasile, C. Cruz, J.M. Rueff, M. Marcos, J.L. Serrano, Gh. Singurel,	2.857	2.857	2.857	

	Characterization by Fourier Transform Infrared Spectroscopy (FT-IR) and 2D IR Correlation Spectroscopy of PAMAM Dendrimer, <i>J. Phys. Chem. B</i> , 110, 14198-14211, 2006;				
21	A. D. Panainte, C. Gafitanu, I. Stoleriu, L. M. Tarțau, M.-C. Popescu , G. Lisa, E. G. Popa, New modified release tablets of bisoprolol fumarate for the treatment of hypertension: characterization and in vitro evaluation, <i>J. Drug Delivery Sci. Technol.</i> , 50, pp. 402-409, 2019	2.734	2.734	2.734	2.734
22	A. R. Lucaci, D. Bulgariu, D., M.-C. Popescu , L. Bulgariu, Adsorption of Cu(II) ions on adsorbent materials obtained from marine red algae <i>Callithamnion corymbosum</i> sp., <i>Water (Switzerland)</i> , 12(2),372, 2020	2.544			
23	G.G. Bumbu, C. Vasile, M.-C. Popescu , H. Daric, G.C. Chițanu, Gh. Singurel, A. Carpov, Compatibility of Polysaccharide/Maleic Copolymers Blends. IV. Thermal Behavior of Hydroxypropyl Cellulose Containing Blends, <i>J. Appl. Polym. Sci.</i> , 88, 2585-2597, 2003;	2.52	2.52		
24	M.-C. Popescu , C. Vasile, D. Filip, D. Macocinschi, Gh. Singurel, Characterization by Fourier transform infrared spectroscopy of polyethylene adipate/cholesteryl palmitate blends, <i>J. Appl. Polym. Sci.</i> , 94, 1156-1163, 2004;	2.52	2.52	2.52	
25	I.E. Raschip, G.E. Hitruc, A.M. Oprea, M.-C. Popescu , C. Vasile, In Vitro Evaluation of the Mixed Xanthan/Lignin Hydrogels as Vanillin Carriers, <i>J. Mol. Struct.</i> , 1003(1-3), 67-74, 2011;	2.463			
26	M.-C. Popescu , J. Froidevaux, P. Navi, C.-M. Popescu, Structural modifications of <i>Tilia cordata</i> wood during heat treatment investigated by FT-IR and 2D IR correlation spectroscopy, <i>J. Mol. Struct.</i> , 1033, 176-186, 2013;	2.463	2.463		
27	M.-C. Popescu , R. Constantinescu, S. S. Padureanu, 2D IR correlation spectroscopy and chemometric methods in gastric cancer diagnosis, <i>J. Mol. Struct.</i> , 1214,128211, 2020	2.463	2.463	2.463	2.463
28	M.-C. Popescu , R. Gómez, F.J. de la Mata, B. Rasines, B.C. Simionescu, Characterization by Fourier Transform Infrared Spectroscopy (FT-IR) and 2D IR Correlation Spectroscopy of a Carbosilane Dendrimer with Peripheral Ammonium Groups, <i>J. Nanopart. Res.</i> , 15(6), 1713, 2013;	2.132	2.132	2.132	2.132
29	M.-C. Popescu , B. Rasines, R. Gómez, F.J. de la Mata, B.C. Simionescu, Thermal stability of second	2.132	2.132	2.132	2.132

	generation carbosilane dendrimers with peripheral ammonia groups, <i>J. Nanopart. Res.</i> , 15(10), 2009, 2013;				
30	D. Dimonie, R. Constantin, G. Vasilievici, M.-C. Popescu , S. Garea, The Dependence of the XRD Morphology of Some Bionanocomposites on the Silicate Treatment, <i>J. Nanomat.</i> , 1, 538421, 2008;	1.98			
31	G. Tantaru, M. Vieriu, M.-C. Popescu , Validation of spectrophotometric method for Se(IV) determination: Analytical applications. Analytical applications, <i>Environ. Monit. Asses.</i> , 186 (5), 3277-3282, 2014;	1.903	1.903	1.903	1.903
32	M.-C. Popescu , C. Vasile, O. Craciunescu, Structural analysis of some soluble elastins by means of FT-IR and 2D IR correlation spectroscopy, <i>Biopolymers</i> , 93(12), 1072-1084, 2010;	1.854	1.854	1.854	1.854
33	C.D. Stan, G. Tătarîngă, C. Gafițanu, M. Drăgan, S. Braha, M.-C. Popescu , G. Lisă, A. Ștefanache, Preparation and characterization of niosomes containing metronidazole, <i>Farmacia</i> , 61(6), 1178-1185, 2013;	1.607			
34	A. Creteanu, L. Ochiuz, C. Vasile, O.M. Paduraru, M.-C. Popescu , A.D. Panaite, G. Tantaru, Thermal stability assesment of amiodarone hydrochloride in polymeric matrix tablets, <i>Farmacia</i> , 64(6), 940-945, 2016;	1.607			
35	M.-C. Popescu , C. Vasile, Melting behaviour of polytetra hydrofuran / cholesteryl palmitate blends investigated by two- dimensional infrared correlation spcctroscopy, <i>Soft Mater.</i> , 8(4), 386-406, 2010;	1.265	1.265	1.265	1.265
36	L.E. Niță, A. Ioanid, M.-C. Popescu , I. Neamțu, G.E. Ioanid, A.P. Chiriac, Possibilities of Vinylic Polymers Obtainment in Cold Plasma, <i>Rom. J. Phys.</i> , 50(7-8), 749-756, 2005;	1.197			
37	I. Neamțu, A. Ioanid, A.P. Chiriac, L.E. Niță, G.E. Ioanid, M.- C. Popescu , Polymer - Coated Ferrite Nanocomposites Synthesized by Plasma Polymerization, <i>Rom. J. Phys.</i> , 50(9-10), 1081-1087, 2005;	1.197			
38	A. P. Chiriac, L.E. Niță, I. Neamțu, M.-C. Popescu , A. Ioanid, G.E. Ioanid, Hematoxylin Plasma Treatment, <i>Rom. J. Phys.</i> , 50(9-10), 1119-1126, 2005;	1.197			
39	M.-C. Popescu , C. Vasile, Gh. Singurel, Microscopical Study of Poly(Ethylene-Adipate)/Cholesteryl Palmitate Blends, <i>Rom. J. Phys.</i> , 51(1-2), 285-292, 2006;	1.197		1.197	
40	G. Nacu, D. Bulgariu, M.-C. Popescu , M. Harja, D. T. Juravle, L. Bulgariu, Removal of Zn(II) ions from	0.854			

	aqueous media on thermal activated sawdust, <i>Desal. Water Treat.</i> , 57(46), 21904-21915, 2016;				
41	L. E. Niță, A.P. Chiriac, M.-C. Popescu , I. Neamțu, L. Alecu, Possibilities for poly(aspartic acid) preparation as biodegradable compound, <i>J. Optoel. Adv. Mat.</i> , 8(2), 663-666, 2006;	0.631			
42	M.-C. Popescu , M. Zănoagă, Y. Mamunya, V. Myshak, C. Vasile, Two dimensional infrared correlation spectroscopy studies of wood-plastic composites with a copolyamide as matrix, <i>J. Optoel. Adv. Mat.</i> , 4, 923-930, 2007;	0.631	0.631	0.631	
43	M.-C. Popescu , C. Vasile, Two-dimensional infrared correlation spectroscopic studies of polymer blends: conformational changes and specific interactions in polytetrahydrofuran / cholesteryl palmitate blends, <i>J. Optoel. Adv. Mat.</i> , 10(11), 3091-3100, 2008;	0.631	0.631	0.631	
44	M.-C. Popescu , C. Vasile, B.C. Simionescu, 2D IR Dichroism Spectra of Polyvinyl Alcohol, <i>Rev. Roum. Chim.</i> , 57(7-8), 659-664, 2012;	0.381	0.381	0.381	0.381
45	M.-C. Popescu , B.C. Simionescu, Transition Temperatures and Molecular Interactions of Polytetrahydrofuran/Colesteril Palmitate Blends by Principal Component Analysis, <i>Rev. Roum. Chim.</i> , 58(4-5), 347-353, 2013;	0.381	0.381	0.381	0.381
Total		129.895	91.172	73.003	50.659

MP

Maria-Cristina Popescu

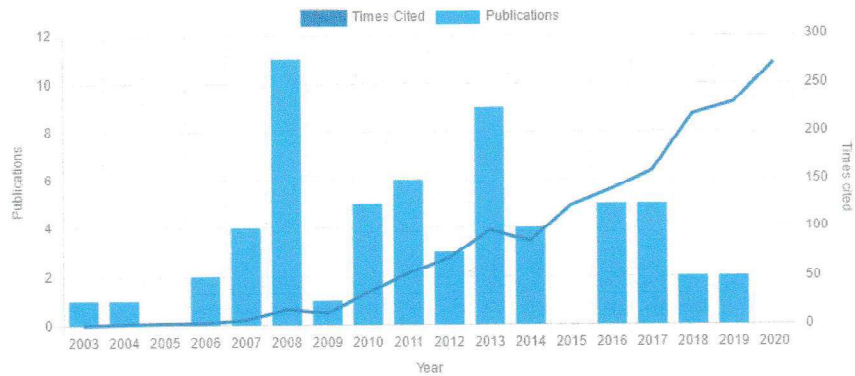
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Researcher (Academic) - Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania

PUBLICATIONS	TOTAL TIMES CITED	H-INDEX
62	1,518	21 [®]

- Summary
- Metrics**
- Publications

Maria-Cristina Popescu's impact over time



Data:

23.11.2020

Semnatura: