



ACADEMIA ROMÂNĂ
SCOSAAR

AVIZAT

PREȘEDINTE SCOSAAR

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ÎNDEPLINIREA STANDARDELOR MINIMALE

DA | NU

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

Candidat: CS II Dr. **Carmen-Mihaela Popescu**

Criterii generale:

Categorie Habilitare	Nmax(*)	FIC (**)	FIC _D (***)	FIC _{AP} (****)	FIC _{AC} (*****)	H index
Cerinte	50	100	70	50	25	13
Realizat	33	131.308	117.026	96.272	94.347	20

(*) 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

Lista a 50 articole selectate (Nmax) publicate in reviste de specialitate de circulatie internationala
(indexate de Web of Science)

CS II Dr. Carmen-Mihaela Popescu

Nr	Lista lucrari	FI	FI _D	FI _{AP}	FI _{AC}
1	E. Robles, N. Izaguirre, B.-I. Dogaru, C.-M. Popescu , I. Barandiaran, J. Labidi, Sonochemical production of nanoscaled crystalline cellulose using organic acids, <i>Gren Chem.</i> 2020, 22(14), 4627-4639	9.480	9.480	---	---
2	C.-M. Popescu* , G. Singurel, M.-C. Popescu, C. Vasile, D.S. Argyropoulos, S. Willför, Vibrational spectroscopy and X-ray diffraction methods to establish the differences between hardwood and softwood, <i>Carbohyd. Polym.</i> 2009, 77, 851-857	7.182	7.182	7.182	7.182
3	C.-M. Popescu* , M.-C. Popescu, C. Vasile, Structural changes in biodegraded lime wood, <i>Carbohyd. Polym.</i> 2010, 79(2), 362-372	7.182	7.182	7.182	7.182
4	C.-M. Popescu* , G. Lisa, A. Manoliu, P. Gradinariu, C. Vasile, Thermogravimetric analysis of fungus-degraded lime wood, <i>Carbohyd. Polym.</i> 2010, 80(1), 78-83	7.182	7.182	7.182	7.182
5	C.-M. Popescu* , P.T. Larsson, C. Vasile, Carbon-13 CP/MAS solid state NMR and X-ray diffraction spectroscopy studies on lime wood decayed by <i>Chaetomium globosum</i> , <i>Carbohyd. Polym.</i> 2011, 83(2), 808-812	7.182	7.182	7.182	7.182
6	C.-M. Popescu* , P.T. Larsson, N. Olaru, C. Vasile, Spectroscopic study of acetylated kraft pulp fibers, <i>Carbohyd. Polym.</i> 2012, 88(2), 530-536	7.182	7.182	7.182	7.182
7	E. Parparita*, R.N. Darie, C.-M. Popescu , M.A. Uddin, C. Vasile, Structure-morphology-mechanical properties relationship of some polypropylene/lignocellulosic composites, <i>Mater. Des.</i> 2014, 56, 763-772	6.289	---	---	---

8	C.-M. Popescu* , C.M. Tibirna, C. Vasile, XPS characterization of naturally aged wood, <i>Appl. Surf. Sci.</i> 2009, 256(5), 1355-1360	6.182	6.182	6.182	6.182
9	C.-M. Popescu* , M.-C. Popescu, C. Vasile, Structural analysis of photodegraded lime wood by means of FT-IR and 2D IR correlation spectroscopy, <i>Int. J. Biol. Macromol.</i> 2011, 48(4), 667-675	5.162	5.162	5.162	5.162
10	C.-M. Popescu* , D. Jones, J. Schalnath, K. Segerholm, M. Henriksson, M. Westin, Structural characterization and mechanical properties of wet-processed fibreboard based on chemothermomechanical pulp, furanic resin and cellulose nanocrystals, <i>Int. J. Biol. Macromol.</i> 2020, 145, 586-593	5.162	5.162	5.162	5.162
11	D. Sun, A.J. Onyianta, D. O'Rourke, G. Perrin, C.-M. Popescu , L.H. Saw, Z. Cai, M. Dorris, A process for deriving high quality cellulose nanofibrils from water hyacinth invasive species, <i>Cellulose</i> 2020, 27, 3727-3740	4.210	4.210	---	---
12	A.J. Onyianta, D. O'Rourke, D. Sun, C.-M. Popescu , M. Dorris, High aspect ratio cellulose nanofibrils from macroalgae <i>Laminaria hyperborea</i> cellulose extract via a zero-waste low energy process, <i>Cellulose</i> 2020, 27(14), 7997-8010	4.210	4.210	---	---
13	C.-M. Popescu* , C.A.S. Hill, The water vapour adsorption-desorption behaviour of naturally aged <i>Tilia cordata</i> Mill. wood, <i>Polym. Degrad. Stab.</i> 2013, 98(9), 1804-1813	4.032	4.032	4.032	4.032
14	C.-M. Popescu* , D.E. Demco, M. Möller, Solid state ¹³ C CP/MAS NMR spectroscopy assessment of historic lime wood, <i>Polym. Degrad. Stab.</i> 2013, 98(12), 2730-2734	4.032	4.032	4.032	4.032
15	C.-M. Popescu* , C.A.S. Hill, R. Anthony, G. Ormondroyd, S. Curling, Dynamic vapour water sorption properties of biochar derived from apple wood: The relationship between the water sorption properties, charring time and wood structure, <i>Polym. Degrad. Stab.</i> 2015, 111, 263-268	4.032	4.032	4.032	4.032
16	M. Broda, I. Dąbek, A. Dutkiewicz, M. Dutkiewicz, C.-M. Popescu , B. Mazela, H. Maciejewski, Organosilicons of different molecular size and chemical structure as consolidants for waterlogged archaeological wood – a new reversible and	3.998	3.998	---	---

	retreatable method, <i>Sci. Reports</i> 2020, 10(1), 2188				
17	C.-M. Popescu* , G. Dobeles, G. Rossinskaja, T. Dizhbite, C. Vasile, Degradation of lime wood painting supports. Evaluation of changes in the structure of aged lime wood by different physico-chemical methods, <i>J. Anal. Appl. Pyrol.</i> 2007, 79, 71-77	3.905	3.905	3.905	3.905
18	C.-M. Popescu* , C. Hill, S. Curling, G. Ormondroyd, Y. Xie, The water vapour sorption behaviour of acetylated birch wood: how acetylation affects the sorption isotherm and accessible hydroxyl content, <i>J. Mater. Sci.</i> 2014, 49(5), 2362-2371	3.553	3.553	3.553	3.553
19	C.-M. Popescu* , I. Spiridon, C.M. Tibirna, C. Vasile, A thermogravimetric study of structural changes of lime wood (<i>Tilia cordata</i> Mill.) induced by exposure to simulated accelerated UV/Vis-light, <i>J. Photochem. Photobiol, Part A: Chemistry</i> 2011, 217(1), 207-212	3.306	3.306	3.306	3.306
20	M. Broda, C.-M. Popescu* , Natural decay of archaeological oak wood versus artificial degradation processes — An FT-IR spectroscopy and X-ray diffraction study, <i>Spectrochim Acta A</i> 2019, 209, 280-287	3.232	3.232	3.232	3.232
21	C.-M. Popescu* , C.M. Tibirna, C. Vasile, Thermogravimetric analysis of photodegraded acrylic coated lime wood, <i>Photochem. Photobiol.</i> 2011, 87, 779-785	2.721	2.721	2.721	2.721
22	C.-M. Popescu* , C.A.S Hill, C. Kennedy, Variation in the sorption properties of historic parchment evaluated by dynamic water vapour sorption, <i>J. Cult. Herit.</i> 2015, 17, 87-94	2.553	---	2.553	2.553
23	E.G. Ioanid, A. Ioanid, D.E. Rusu*, C.-M. Popescu* , I. Stoica, Surface changes upon high-frequency plasma treatment of heritage photographs, <i>J. Cult. Herit.</i> 2011, 12(4), 399-407	2.553	---	---	---
24	C.-M. Popescu* , D. Jones, D. Kržišnik, M. Humar, Determination of the effectiveness of a combined thermal/chemical wood modification by the use of FT-IR spectroscopy and chemometric methods, <i>J. Mol. Struct.</i> 2020, 1200, 127133	2.463	2.463	2.463	2.463
25	C.-M. Popescu* , M.-C. Popescu, Gh. Singurel, C. Vasile, D.S. Argyropoulos, S. Willför, Spectral characterization of Eucalyptus wood, <i>Appl.</i>	2.087	2.087	2.087	2.087

	<i>Spectrosc.</i> 2007, 61(11), 1168–1177				
26	C.-M. Popescu* , P.T. Larsson, C.M. Tibirna, C. Vasile, Characterization of fungal degraded lime wood by XRD and CP/MAS ¹³ C-NMR spectroscopy, <i>Appl. Spectrosc.</i> 2010, 64(9), 1054-1060	2.087	2.087	2.087	2.087
27	C.-M. Popescu* , B.C. Simionescu, Structural study of photodegraded acrylic-coated lime wood using Fourier transform infrared and two-dimensional infrared correlation spectroscopy, <i>Appl. Spectrosc.</i> 2013, 67(6), 606-613	2.087	2.087	2.087	2.087
28	C.-M. Popescu , A. Pfriem*, Treatments and modification to improve the reaction to fire of wood and wood based products—An overview, <i>Fire Mater.</i> 2020, 44(1), 100-111	1.925	1.925	1.925	---
29	C.-M. Popescu* , A. Manoliu, G. Lisa, P. Gradinariu, C. Vasile, Thermal behavior of biodegraded lime wood, <i>Carbohydr. Res.</i> 2010, 345(9), 1149-1155	1.841	1.841	1.841	1.841
30	L. Tolvaj*, C.-M. Popescu , Z. Molnar, E. Preklet, Dependence of the Air Relative Humidity and Temperature on the Photodegradation Processes of Beech and Spruce Wood Species, <i>BioResources</i> 2016, 11(1), 296-305	1.409	1.409	---	---
31	E.G. Ioanid, V. Frunza, D.E. Rusu, A.M. Vlad, G. Savin, C.-M. Popescu , Behavior of Historical Printing Inks on Paper in High-Frequency Cold Plasma Discharges, <i>IEEE Transactions on Plasma Sci.</i> 2019, 47(1), 81-85	1.309	---	---	---
32	C.-M. Popescu , G. Cazacu, Gh. Singurel, C. Vasile*, Study of the process of the water desorption from lignins, <i>Rom. J. Phys.</i> 2006, 51(1-2), 277-283	1.197	---	---	---
33	C.-M. Popescu , C. Vasile, B.C. Simionescu*, Spectral characterization of natural resins used in conservation, <i>Rev. Roum. Chim.</i> 2012, 57(4-5), 495-499	0.381	---	---	---
		131.308	117.026	96.272	94.347



Researchers > Carmen-Mihaela Popescu



Carmen-Mihaela Popescu

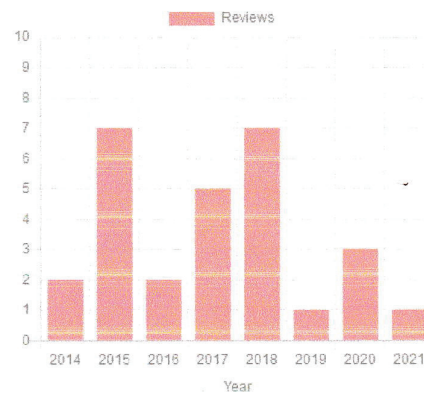
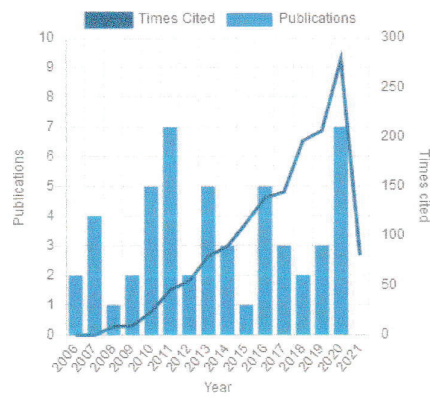
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PUBLICATIONS	TOTAL TIMES CITED	H-INDEX	VERIFIED REVIEWS
52	1,462	20 [®]	28

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Semnătura:

C.M. Popescu