

FIȘA DE CALCUL A ÎNDEPLINIRII STANDARDELOR MINIMALE

Domeniul: INGINERIA MATERIALELOR

(conform Ordin 6129/2016 Anexa 7, privind aprobarea standardelor minimale necesare și obligatorii pentru conferirea titlurilor didactice din învățământul superior, a gradelor profesionale de cercetare-dezvoltare, a calității de conducător de doctorat și a atestatului de abilitare)

Conf. Dr. Chim. Cătălin CROITORU

Tabel centralizator

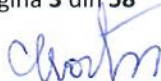
Condiții	Îndeplinire condiții	
A. Doctor	Diplomă de Doctor, seria G nr. 0001912, emisă în baza Ordinului Ministrului Educației, Cercetării și Inovării nr. 3492/23.03.2010	
B. Îndeplinirea standardelor minimale naționale, Ordinului Ministrului Educației Naționale și Cercetării Științifice nr. 6129/2016 [MENCS nr. 6129/2016]		
Condiții minimale profesor [Punctaj]	Minim prevăzut	Realizat
A1. Activitate didactică și profesională	60	98,55
A2. Activitatea de cercetare	320	1870,70
A3. Recunoașterea și impactul activității	120	1379,95
Total (A)	500	3349,20
Condiții minimale obligatorii pe subcategorii [Număr]	Minim prevăzut	Realizat
A1: Activitatea didactică și profesională	60	98,55
A.1.1. Cărți și capitole în cărți de specialitate în edituri recunoscute	-	74,25
1.1.1 Cărți/capitole ca autor: 1.1.1.1. Internaționale	-	2
1.1.1 Cărți ca autor: 1.1.1.2. Naționale	2, d.c. 1 prim autor	3, d.c. 2 prim autor
A.1.2. Suport didactic	-	24,30
1.2.1. Manuale didactice, monografii inclusiv electronice	2, d.c. 1 prim autor	2, d.c. 2 prim/unic autor
1.2.2. Îndrumare de laborator/aplicații	-	2
A2. Activitatea de cercetare	320	
A.2.1. Articole în reviste cotate ISI Thomson Reuters și în volume indexate ISI proceedings [condiții minimale]	15	57
Din care: Articole în reviste cotate ISI Thomson Reuters	10	42
Minim 5 lucrări în Reviste cotate ISI Th.R. cu F.I. ≥1	5	38

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Minim 5 lucrări ISI ca autor principal cu F.I. $\geq 0,5$	5	24
A.2.1. Articole în reviste cotate ISI Thomson Reuters și în volume indexate ISI proceedings [punctaj]	-	1788,89
A.2.2. Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale [BDI], în specificul postului scos la concurs	-	10 articole
		9,15
A.2.3. Brevete de invenție [punctaj]	-	16,66
2.3.1. Naționale	-	2
A.2.4. Granturi/proiecte de cercetare câștigate prin competiție/ Contracte cu agenți economici, minim 10000 echivalent Euro încasați [punctaj]	-	56
A.2.4. Granturi/proiecte de cercetare câștigate prin competiție/ Contracte cu agenți economici, minim 10000 echivalent Euro încasați [condiții minimale]	2	3, din care 1 internațional și 2 naționale
2.4.1. Granturi/proiecte de cercetare ca Director	1	3
2.4.2. Granturi: membru în echipă/ 2.4.2.1. Internaționale	-	4
A3. Recunoașterea și impactul activității	120	1379,95
A.3.1. Citări în reviste cotate în ISI [FI Factor de Impact] și în alte BDI [punctaj]	-	812,95
3.1.1. Citări ISI [condiții minimale, număr]	30	230
3.1.2. Citări BDI [număr]	-	necalculat
A.3.3. Membru în colectivele de redacție sau comitete științifice ale revistelor și manifestărilor științifice, organizator de manifestări științifice/Recenzor pentru reviste și manifestări științifice naționale și internaționale. [punctaj]	-	168
A.3.4. Expert evaluare proiecte cercetare/ A.3.4.2. Naționale [punctaj]	-	385
A.3.6. Membru în academii, organizații, asociații profesionale de prestigiu, naționale și internaționale, apartenență la organizații din domeniul educației și cercetării [punctaj]	-	14
3.6.4. Asociații profesionale	-	12
3.6.4.1. Internaționale	-	10
3.6.4.2. Naționale	-	2
3.6.5. Organizații în domeniul educației și cercetării/ 3.6.5.1. Membru	-	2

A1. Activitatea didactică și profesională (Profesor-minim 60 puncte, realizat 98,55)

1.1 Cărți și capitole în cărți de specialitate în edituri recunoscute			Punctaj realizat
1.1.1 Cărți/capitole ca autor			
1.1.1.1. Internaționale (capitol de carte)	1. S. Pațachia; C. Croitoru . Biopolymers for wood preservation. În: Biopolymers and Biotech Admixtures for Eco-Efficient Construction Materials, Editori: F.Pacheco-Torgal, V. Ivanov, N. Karak, H. Jonkers, Woodhead Publishing, Elsevier, 2016, Pag. 305–332 (28 pagini). link	28/(2×2)	7,00
	2. C. Croitoru; I.C. Roata. Alteration and enhancing the properties of natural fibres. În: Fundamentals of Natural Fibres and Textiles, Editor: Md. Ibrahim H. Mondal, Woodhead Publishing, Elsevier, 2021, Pag. 367-405 (39 pagini)	39/(2×2)	9,75
	Total 1.1.1.1		16,75
1.1.1.2. Naționale	1. C. Croitoru ; S. Pațachia. Materiale polimerice impregnate molecular. Editura LuxLibris, Brașov, 2014, ISBN: 978-973-131-276-7 (225 pagini). (autor principal)	225/(5×2)	22,50
	2. C. Croitoru ; I.C. Roată. Tehnologii avansate de procesare a materialelor celulozice. Editura: Lux Libris, Brașov, 2017, ISBN: 978-973-131-396-2 (250 pagini). (autor principal)	250/(5×2)	25,00
	3. I.C. Roată, C. Croitoru . Elemente de control statistic aplicat în ingineria industrială. Editura Lux Libris, Brașov, 2017, ISBN: 978-973-131-395-5 (100 pagini)	100/(5×2)	10,00
	Total 1.1.1.2		57,50
1.2. Suport didactic			
1.2.1. Manuale didactice	1. C. Croitoru , A. Pascu. Știința și ingineria materialelor. Editura Universității Transilvania din Brașov, 2016, ISBN: 978-606-19-0777-9 (126 pagini) (autor principal)	126/(10×2)	6,30
	2. C. Croitoru . Elements of Materials Science and Engineering. Editura Printech, București,	110/(10×1)	11,00



	2016, ISBN: 978-606-23-0706-6 (110 pagini) (unic autor)		
		Total 1.2.1	17,30
1.2.2. Îndrumare de laborator/aplicații	1. C. Croitoru. Lucrări practice de știința și tehnologia materialelor polimerice și composite. Editura LuxLibris, Brașov, 2015, ISBN: 978-973-131-335-1 (106 pagini) (unic autor)	106/(20×1)	5,30
	2. A. Pascu, C. Croitoru. Managementul proiectelor de cercetare. Editura LuxLibris, Brașov, 2019, ISBN: 978-973-131-429-7 (68 pagini)	68/(20×2)	1,70
		Total 1.2.2.	7,00

A2. Activitate de cercetare (Profesor-minim 320 puncte, realizat 1870,70)

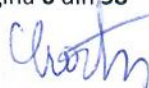
A.2.1. Articole în reviste cotate ISI Thomson Reuters și în volume indexate ISI proceedings (FI este calculat cu datele pe anul 2020, ultimele disponibile pe Clarivate ISI WoS la data depunerii cererii de afiliere)		Punctaj realizat
2.1.1. Articole în reviste cotate ISI Thomson WoS		
1. Croitoru C, Patachia S, Doroftei F, Paparita E, Vasile C. Ionic liquids influence on the surface properties of electron beam irradiated wood. Applied Surface Science (2014), Vol. 314, pag. 956–966 Autori: 5 (autor principal) WOS: 000341464100130 link	(50×6,707)/5	67,07
2. Patachia S, Croitoru C, Friedrich C. Effect of UV exposure on the surface chemistry of wood veneers treated with ionic liquids. Applied Surface Science (2012) Vol. 258, Nr. 18, pag. 6723–6729. Autori: 3 (autor principal-corespondent) WOS: 000304004100002 link	(50×6,707)/3	111,78
3. Traistaru A-AT, Timar MC, Campean M, Croitoru C, Sandu I. Paraloid B72 versus paraloid B72 with Nano-ZnO additive as consolidants for wooden artefacts. Materiale Plastice (2012) Vol. 49, Nr.4, pag. 293–300. Autori: 5 WOS: 000313149100014 link	(50×0,593)/5	5,93
4. Croitoru C, Patachia S, Porzsolt A, Friedrich C. Effect of alkylimidazolium based ionic liquids on the structure of UV-irradiated cellulose. Cellulose. (2011), Vol.18, Nr.6, pag. 1469–79. Autori: 4 (autor principal) WOS: 000298994200009 link	(50×5,044)/4	63,05
5. Croitoru C, Patachia S, Cretu N, Boer A, Friedrich C. Influence of ionic liquids on the surface properties of poplar veneers. Applied Surface Science (2011), Vol.257, Nr.14, pag. 6220–25. Autori: 5 (autor principal) WOS: 000288646900050 link	(50×6,707)/5	67,07

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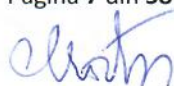
6. Patachia S, Croitoru C. Imprinted poly (vinyl alcohol) as a promising tool for xanthine derivatives separation. Journal of Applied Polymer Science (2011), Vol. 122, Nr. 3, pag. 2081–9. Autori: 2 (autor principal-corespondent) WOS: 000293849200072 link	(50×3,125)/2	78,12
7. Patachia S, Friedrich C, Florea C, Croitoru C. Study of the PVA hydrogel behaviour in 1-butyl-3-methylimidazolium tetrafluoroborate ionic liquid. Express Polymer Letters (2011), Vol.5, Nr.2, pag. 197–207. Autori: 4 WOS: 000285847000009 link	(50×4,161)/4	52,01
8. Patachia S, Croitoru C. Increasing the adsorption capacity and selectivity of poly(vinyl alcohol) hydrogels by an alternative imprinting technique. Journal of Applied Polymer Science (2015), Vol. 132, Nr. 23, pag. 42024–42033. Autori: 2 (autor principal-corespondent) WOS: 000351392700008 link	(50×3,125)/2	78,12
9. Croitoru C , Patachia S, Lunguleasa A. A mild method of wood impregnation with biopolymers and resins using 1-ethyl-3-methylimidazolium chloride as carrier. Chemical Engineering Research and Design (2015), Vol. 93, pag. 257–268. Autori: 3 (autor principal) WOS: 000348878600024 link	(50×3,739)/3	62,31
10. Croitoru C , Patachia S, Lunguleasa A. New method of wood impregnation with inorganic compounds using ethyl methylimidazolium chloride as carrier. Journal of Wood Chemistry and Technology (2015), Vol. 35, Nr.2, pag. 35: 113–128. Autori: 3 (autor principal) WOS: 000345585100003 link	(50×2,63)/3	43,83
11. Croitoru C , Patachia S, Papancea A, Baltes L, Tiorean M. Glass fibres reinforced polyester composites degradation monitoring by surface analysis. Applied Surface Science (2015), Vol. 358B, pag. 518–524. Autori: 5 (autor principal) WOS: 000366220500003 link	(50×6,707)/5	67,07
12. Stanciu EM, Pascu A, T iorean MH, Voiculescu I, Roată IC, Croitoru C , Hulka I. Dual Coating Laser Cladding of NiCrBSi and Inconel 718. Materials and Manufacturing Processes (2016), Vol. 31, Nr. 12, pag. 1556–1564. Autori: 7 WOS: 000381388400003 link	(50×4,616)/7	32,97
13. Croitoru C , Patachia S. Long-Chain Alkylimidazolium Ionic Liquid Functionalization of Cellulose Nanofibers and Their Embedding in HDPE Matrix. International Journal of Polymer Science (2016), Vol. 2016, pag. 1–9. Autori: 2 (autor principal) WOS: 000379547000001 link	(50×2,642)/2	66,05
14. Pascu A, Stanciu EM, Savastru D, Geanta V, Croitoru C. Optical and microstructure characterisation of ceramic – Hydroxyapatite coating fabricated by laser cladding. J Optoelectron Adv Mater (2017), Vol.19, Nr.1–2, pag. 66–72. Autori: 5 WOS: 000400880700010 link	(50×0,587)/5	5,87

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15. Croitoru C , Spirchez C, Lunguleasa A, Cristea D, Roata IC, Pop MA, Bedo T, Stanciu EM, Pascu A. Surface properties of thermally treated composite wood panels. Applied Surface Science (2018), Vol. 438, pag.114–26. Autori: 9 (autor principal) WOS: 000425731200013 link	(50×6,707)/9	37,26
16. Stanciu EM, Pascu A, Roată IC, Croitoru C , Tiorean M, Rosca JM, Hulka I. Solar radiation synthesis of functional carbonaceous materials using Al ₂ O ₃ /TiO ₂ -Cu-HA doped catalyst. Applied Surface Science (2018), Vol. 438, pag. 33–40. Autori: 7 WOS: 000425731200005 link	(50×6,707)/7	47,90
17. Ghiuță I, Cristea D, Croitoru C , Kost J, Wenkert R, Vyrides I, Anayiotos A, Munteanu D. Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using Bacillus species. Applied Surface Science (2018), Vol. 438, pag. 66–73. Autori: 8 WOS: 000425731200005 link	(50×6,707)/8	41,91
18. Oláh A, Croitoru C , Tiorean MH. Surface properties tuning of welding electrode-deposited hardfacings by laser heat treatment. Applied Surface Science (2018), Vol. 438, pag. 41–50. Autori: 3 WOS: 000425731200006 link	(50×6,707)/3	111,78
19. C. Croitoru . A durability assessment and structural characterization of biopolymer-impregnated wood. Drewno (2018), Vol. 61, Nr. 202, pag. 129–143. Autori: 1 (autor principal) WOS: 000454435100009 link	(50×1,2)/1	60
20. Croitoru C , Spirchez C, Cristea D, Lunguleasa A, Pop MA, Bedo T, Roata IC, Luca MA. Calcium carbonate and wood reinforced hybrid PVC composites. Journal of Applied Polymer Science (2018), Vol.135, Nr.22, Nr. articol. 46317. Autori: 8 (autor principal) WOS: 000426508700017 link	(50×3,125)/8	19,53
21. Roata IC, Croitoru C , Pascu A, Stanciu EM. Photocatalytic performance of copper-based coatings deposited by thermal spraying. Journal of Materials Science: Materials in Electronics (2018), Vol. 29, Nr. 13, pag. 11345–57. Autori: 4 (autor principal-corespondent) WOS: 000435588600069 link	(50×2,478)/4	30,97
22. Roata IC, Croitoru C , Pascu A, Stanciu EM. Characterization of physically crosslinked ionic liquid-lignocellulose hydrogels. BioResources. (2018), Vol. 13, Nr. 3, pag. 6110–6121 . Autori: 4 (autor principal-corespondent) WOS: 000440506300095 link	(50×1,614)/4	20,17
23. Croitoru C, Varodi AM, Timar MC, Roata IC, Stanciu EM, Pascu A. Wood-plastic composites based on HDPE and ionic liquid additives. Journal of Materials Science (2018), Vol. 53, Nr. 6, pag. 4132–43. Autori: 6 (autor principal) WOS: 000418294200017 link	(50×4,22)/6	35,16



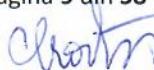
24. Pascu A, Stanciu EM, Croitoru C , Roată IC, Tierean MH. Carbon Nanoparticle-Supported Pd Obtained by Solar Physical Vapor Deposition. Adv Mater Sci Eng (2018), Vol. 2018, Nr. articol 4730192 . Autori: 5 (autor principal-corespondent) WOS: 000426193300001 link	(50×1,726)/5	17,26
25. Stanciu EM, Pascu A, Tierean MH, Roata IC, Voiculescu I, Hulka I, Croitoru C . Dissimilar laser welding of AISI 321 and AISI 1010. Tehnicki Vjesnik-Technical Gazette, (2018), Vol. 25, Nr. 2, pag. 344-349. Autori: 7 WOS: 000430936800006 link	(50×0,783)/7	5,59
26. Roata IC, Croitoru C , Pascu A, Stanciu EM. Photocatalytic coatings via thermal spraying: A mini-review. AIMS Mater Sci (2019), Vol. 6, Nr.3. Autori: 4 (autor principal-corespondent) WOS: 000471016400003 link	(50×0,10)/4	1,25
27. Cristea D, Cunha L, Gabor C, Ghiuta I, Croitoru C , Marin A, Velicu L, Besleaga A, Vasile B. Tantalum oxynitride thin films: Assessment of the photocatalytic efficiency and antimicrobial capacity. Nanomaterials (2019), Vol. 9, Nr. 3. Autori: 9 (autor principal-corespondent) WOS:000464450100003 link	(50×5,076)/9	28,20
28. Pop MA, Croitoru C , Bedo T, Geaman V, Radomir I, Cosnita M, Zaharia SM, Chicos LA, Milosan I. Structural changes during 3D printing of bioderived and synthetic thermoplastic materials. Journal of Applied Polymer Science (2019), Vol.136, Nr. 17, Nr. articol 47382. Autori: 9 (autor principal-corespondent) WOS: 000456861100001 link	(50×3,125)/9	17,36
29. Lunguleasa A, Ayrilmis N, Spirchez C, Croitoru C . Increasing the calorific properties of sawdust waste from pellets by torrefaction. BioResources (2019), Vol. 14, Nr.4. Autori: 4 WOS: 000493997400017 link	(50×1,614)/4	20,17
30. Feldiorean D, Cristea D, Tierean M, Croitoru C , Gabor C, Jakab-Farkas L, Cunha L, Barradas NP, Alves E, Craciun V, Marin A, Moura C, Leme J, Socol M, Craciun D, Cosnita M, Munteanu D. Deposition temperature influence on the wear behaviour of carbon-based coatings deposited on hardened steel. Applied Surface Science (2019), Vol. 475, pag. 762-773. Autori: 17 WOS: 000458482100090 link	(50×6,707)/17	19,72
31. Luca MA, Tierean MH, Machedon Pisu T, Rodriguez J, Croitoru C . The influence of concentrated solar energy flux on the structure and properties of stainless steel brazed joints. Journal of Thermal Analysis and Calorimetry (2020), Vol.141, Nr. 4, pag. 1291-1304. Autori: 5 WOS: 000500853500007 link	(50×4,626)/5	46,26
32. Pascu A, Stanciu EM, Croitoru C, Roată IC, Rosca JM, Nicanor C, Tierean MH, Bogatu C. Pulsed laser cladding of NiCrBSiFeC hardcoatings using single-walled carbon nanotube additives. Journal of Nanomaterials (2019), Vol. 2019, ID articol: 2401295. Autori: 8 WOS: 000487080800001 link	(50×2,986)/8	18,66



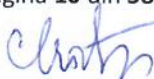
33. Croitoru C , Roata IC. Ionic liquids as antifungal agents for wood preservation. <i>Molecules</i> , Vol. 25, Nr. 18, 4289. Autori: 2 (autor principal) WOS: 000580097000001 link	(50×4,411)/2	110,27
34. Croitoru C , Roata IC, Pascu A, Stanciu EM. Diffusion and controlled release in physically crosslinked poly (vinyl alcohol)/iota-carrageenan hydrogel blends. <i>Polymers (Basel)</i> (2020), Vol. 12, Nr. 7, 1544. Autori: 4 (autor principal) WOS: 000558033000001 link	(50×4,329)/4	54,11
35. Croitoru C , Roata IC, Pascu A, Stanciu EM, Hulka I, Stoian G, Lupu N. Photocatalytic surfaces obtained through one-step thermal spraying of titanium. <i>Applied Surface Science</i> (2020), 504, 144173. Autori: 7 (autor principal) WOS: 000502040600179 link	(50×6,707)/7	47,90
36. Pop MA, Croitoru C , Bedo T, Geamăn V, Radomir I, Zaharia SM, Chicos L. Influence of internal innovative architecture on the mechanical properties of 3D polymer printed parts. <i>Polymers (Basel)</i> , (2020), Vol. 12, Nr. 5. Autori: 7 (autor principal-corespondent) WOS: 000541431100134 link	(50×4,329)/7	30,92
37. Roata IC, Croitoru C , Pascu A, Stanciu EM, Hulka I, Petre I, Gabor C, Patroi D, Sbarcea BG. Surface engineering of Ni-Al coatings through concentrated solar heat treatment. <i>Applied Surface Science</i> (2020), Vol. 506, 144185. Autori: 9 WOS: 000512983600137 link	(50×6,707)/9	37,26
38. Croitoru C , Pop MA, Bedo T, Cosnita M, Roata IC, Hulka I. Physically crosslinked poly (vinyl alcohol)/kappa-carrageenan hydrogels: Structure and applications. <i>Polymers (Basel)</i> (2020), Vol. 12, Nr. 3. Autori: 6 (autor principal) WOS: 000525952000059 link	(50×4,329)/6	36,07
39. Tiss, B.; Moualhi, Y.; Bouguila, N.; Kraini, M.; Alaya, S.; Croitoru, C. ; Ghiuta, I.; Cristea, D.; Patroi, D.; Moura, C.; Alaya, S. Influence of the physical properties on the antibacterial and photocatalytic behavior of Ag-doped indium sulfide film deposited by spray pyrolysis. <i>Coatings</i> (2021), Vol. 11(4), articol nr. 370. Autori: 11 WOS: 000642934600001 link	(50×2,881)/11	13,09
40. Tiss, B.; Fradj, A. Ben; Bouguila, N.; Cristea, D.; Croitoru, C.; Kraini, M.; Vázquez-Vázquez, C.; Cunha, L.; Moura, C.; Alaya, S. Electrical Behavior and Photocatalytic Activity of Ag-Doped In ₂ S ₃ Thin Films. <i>Journal of Electronic Materials</i> (2021), Vol. 50, Nr. 6, 3739-3747. Autori: 10 WOS: 000640473000008 link	(50×1,938)/10	9,69
41. Baltes, L.S.; Patachia, S.; Ekincioglu, O.; Ozkul, H.; Croitoru, C. ; Munteanu, C.; Istrate, B.; Tiorean, M.H. Polymer-Cement Composites Glazing by Concentrated Solar Energy. <i>Coatings</i> (2021), Vol. 11, Nr. 3, articol nr. 350. Autori: 8 WOS: 000633596300001 link	(50×2,881)/8	18,00

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42. Ghiuta, I.; Croitoru, C. ; Kost, J.; Wenkert, R.; Munteanu, D. Bacteria-mediated synthesis of silver and silver chloride nanoparticles and their antimicrobial activity. Applied Sciences-Basel (2021), Vol. 11, Nr. 7, articol nr. 137. Autori: 5 WOS: 000638317400001 link	(50×2,679)/5	26,79
Total 2.1.1		1764,50
2.1.2. Articole indexate ISI Proceeding		
1. Patachia S, Croitoru C. Computational study of beta-cyclodextrin-water system. revista:MACMESE 2008: Proceedings of the 10th WSEAS International Conference on Mathematical and Computational Methods in Science and Engineering, Pts I and II, 2008, pag. 477-480. ISSN:17902769 Autori:2 WOS: 000262436800101 link	(50×0,1/2)	2,50
2. Croitoru C , Patachia S, Friedrich C. Computational study of 1-Butyl-3-Methylimidazolium Tetrafluoroborate ionic liquid-water system. revista: MACMESE 2008: Proceedings of the 10th WSEAS International Conference on Mathematical and Computational Methods in Science and Engineering, Pts I and II, 2008, pag. 469–472. ISSN:17902769 Autori:3 WOS: 000262436800099 link	(50×0,1/3)	1,66
3. Patachia S, Croitoru C , Florea C, Dumitrescu L, Scarneciu I. Ammonia sensor based on poly (vinyl alcohol) cryogel. revista: Proceedings of the 19th international DAAM symposium: intelligent manufacturing & automation: focus on next generation of intelligent systems and solutions, 2008, pag. 1039-1040. Autori: 5 WOS: 000262860100519 link	(50×0,1/5)	1,00
4. Patachia S, Croitoru C , Scarneciu I. Ecological method for separation of inulin from phytoextracts using molecularly imprinted poly (vinyl alcohol) films. revista: Proceedings of the 19th international DAAM symposium: intelligent manufacturing & automation: focus on next generation of intelligent systems and solutions, 2008, pag. 1037-1038 Autori: 3 WOS: 000262860100518 link	(50×0,1/3)	1,66
5. Spirchez C, Lunguleasa A, Croitoru C. The importance of the wood biomass in environment protection. AIP Conference Proceedings, 2008, Vol. 1918, Nr. 1, Nr. art. 020007 Autori: 3 WOS: 000426289700007 link	(50×0,1/3)	1,66
6. Croitoru C , Roata IC, Pascu A, Stanciu E. Ionic Liquid Surface Treatment of Calcite for Improved Compatibility with Polyolefin Matrix. revista: IOP Conference Series-Materials Science and Engineering, 2017, Vol. 209, Nr. art. 012052 Autori: 4 WOS: 000423732100052 link	(50×0,1/4)	1,25



7. Croitoru C , Pascu A, Roata IC, Stanciu EM. Obtaining and Characterization of Polyolefin-Filled Calcium Carbonate Composites Modified with Stearic Acid. IOP Conference Series-Materials Science and Engineering, 2017, Vol. 209, Nr. art. 012041 Autori: 4 WOS: 000423732100041 link	(50×0,1/4)	1,25
8. Pascu A, Stanciu EM, Croitoru C , Roata IC, Tierean MH. Pulsed Laser Cladding of Ni Based Powder. IOP Conference Series-Materials Science and Engineering, 2017, Vol. 209, Nr. art. 012058 Autori: 5 WOS:000423732100058 link	(50×0,1/5)	1,00
9. Roata IC, Pascu A, Croitoru C , Stanciu EM, Pop MA. Thermal Spraying of CuAlFe Powder on Cu5Sn Alloy. IOP Conference Series-Materials Science and Engineering, 2017, Vol. 209, Nr. art. 012042 Autori: 5 WOS: 000423732100042 link	(50×0,1/5)	1,00
10. Olah A, Croitoru C , Roata IC, Andreescu AB. Ignition behavior of insulative materials: A safety vision. Materials Today: Proceedings, 2019, Vol. 19, pag. 1003-1007. Autori: 3 WOS: 000496428200014 link	(50×0,1/3)	1,66
11. Stanciu EM, Pascu A, Roata IC, Croitoru C , Tierean MH. Laser welding of dissimilar materials. Materials Today: Proceedings, 2019, Vol. 19, pag. 1066-1072. Autori: 5 WOS: 000496428200023 link	(50×0,1/5)	1,00
12. Roata IC, Croitoru C , Stanciu EM, Pascu A. Cladding under the spotlight: Between performance materials and occupational health hazards. In: Materials Today: Proceedings, 2019, Vol. 19, pag. 1051-1058. Autori:4 WOS: 000496428200021 link	(50×0,1/4)	1,25
13. Croitoru C , Pascu A, Stanciu EM, Roata IC. Solar synthesis of carbon microparticles from polymer waste. Materials Today: Proceedings, 2019, Vol. 19, pag. 996-1002. Autori:4 WOS: 000496428200013 link	(50×0,1/4)	1,25
14. Spirchez C, Lunguleasa A, Ionescu C, Croitoru C . Physical and calorific properties of wheat straw briquettes and pellets. MATEC Web Conf. 2019, Vol. 290. Autori: 4 WOS: 000569367700128 link	(50×0,1/4)	1,25
15. Croitoru C . 1000 at 1000: the lightest bakelite and beyond. Journal of Materials Science, 2020, Vol. 55, pag. 15637-42. Autori: 1 WOS: 000546527900002 link	(50×0,1/1)	5,00
Total 2.1.2		24,39
Total 2.1		1788,89
2.2. Articole în reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale		Punctaj realizat



1. Patachia S, Moise G, Ozkul H, Ekincioglu O, Croitoru C . Influence of the obtaining technology on the Macro Defect Free cements characteristics. revista: Pollack Periodica, Vol. 4, Nr. 1, pag. 75-82. BDI:Scopus ISSN:17881994 AnAparitie:2009 Autori:5 link	(50×0,08/5)	0,80
2. Patachia S, Croitoru C . Potential applications of ionic liquids in ecologic wood processing revista:ProLigno., Vol 9,nr. 4, pag. 211-216. BDI: CABI issn:18414734 AnAparitie:2013 Autori:2 link	(50×0,08/2)	2,00
3. Croitoru C , Giubega A, Patachia S, Baltes L, Pascu A, Roata I, Tierean M. State of the Art in Calcite and Polyolefins Recycling revista: Bulletin of the Transilvania University of Brasov, vol. 9 (58), nr.1, 2016. Series I-Engineering sciences. BDI:Ebsco issn:2065-2127 AnAparitie:2016 Autori:7 link	(50×0,08/7)	0,57
4. Pascu A, Hulka I, Tierean MH, Croitoru C, Stanciu EM, Roata IC. A Comparison of Flame Coating and Laser Cladding Using Ni Based Powders revista: Solid State Phenomena (Volume 254)/ Advanced Materials and Structures VI BDI:ProQuest issn:1662-9779 AnAparitie:2016 Autori:6 link	(50×0,08/6)	0,66
5. Croitoru C , Patachia S, Pascu A, Roata IC. Obtaining and characterization of novel wood-polypropylene composites revista:ProLigno Vol. 12, pag. 28-33 BDI:EBSCO Publishing Ltd. Academic Search Complete issn:2069-7430 AnAparitie:2016 Autori:4 link	(50×0,08/4)	1,00
6. Pascu A, Stanciu EM, Roata IC, Croitoru C , Baltes L, Tierean MH. Parameters and behaviour of NiCrFeSiB laser cladding in overlapped geometry revista: Bulletin of the Transilvania University of Brasov, Series I: Engineering Sciences, Vol. 9, Nr. 2, pag. 9-16 BDI:Ebsco issn:2065-2127 AnAparitie:2016 Autori:6 link	(50×0,08/6)	0,66
7. Lazar A, Croitoru C , Tierean M, Baltes L. Thermal and thermorheologic characterization of different polyolefin waste fractions revista:Materials Science Forum, Vol. 907 MSF, 2017, pag. 74-79 BDI:Scopus issn: 0255-5476 AnAparitie:2017 Autori:4 link	(50×0,08/4)	1,00
8. Spirchez GC, Lunguleasa A, Croitoru C , Gaceu L. Cercetari privind evaluarea puterii calorice a biomasei lemnoase revista:Buletinul AGIR BDI:INDEX COPERNICUS INTERNATIONAL issn:2247-3548 AnAparitie:2018 Autori:4 link	(50×0,08/4)	1,00
9. Spirchez GC, Lunguleasa A, Croitoru C , Forfota R, Dumitrache I, Samoila NR. Research of the estimation of calorific value of biomass revista:Journal of EcoAgriTourism BDI:CAB Abstracts issn:1844-8577 AnAparitie:2018 Autori:6 link	(50×0,08/6)	0,66
10. Spirchez C, Ayrlmis N, Lunguleasa A, Croitoru C , Pruna M. Some properties of pellets made of spruce and beech torrefied sawdust revista:Journal Environmental Research and Technology, vol.2, Nr.1,	(50×0,08/5)	0,80

Chist

pag.26-33 BDI:IndexCopernicus issn:2636-8498 AnAparitie:2019 Autori:5 link		
	Total 2.2	9,15

A.2.3. Brevete de invenție		Punctaj realizat
2.3.2. Brevete nationale indexate ISI ThR-WoS- Derwent Innovations Index		
1. Croitoru C , Patachia S, Lunguleasa A. Solutions for wood impregnation, based on natural polymers, method of preparation and process for application. RO126930-A0. Derwent Primary Accession Number: 2012-D25293	25/3	8,33
2. Patachia SFC, Croitoru C , Lunguleasa A. Dispersions for wood impregnation based on inorganic compounds and ionic liquids, method of preparation and process of application. RO126929-A0. Derwent Primary Accession Number: 2012-D25294	25/3	8,33
	Total 2.3	16,66

A.2.4. Granturi/proiecte de cercetare câștigate prin competiție		Punctaj realizat
2.4.1. Director/responsabil		
2.4.1.1. Internaționale		
1. European Research Infrastructure H2FC (Integrating European Infrastructure to support science and development of Hydrogen- and Fuel Cell Technologies towards European Strategy for Sustainable Competitive and Secure Energy: Access grant: Hydrogen storage performance of ionic liquid-impregnated aerogels National center for scientific research "Demokritos", Athens, Greece. finantator: European Commission nrctr: 284522 perioada: 2015, Suma: 7936 Eur	20x1	20
2.4.1.2. Naționale		
1. Studii de imprimare moleculară a polimerilor vinilici aplicabili în procesele de separare controlată a unor principii active Valoare grant: 33147 lei; finantator: CNCSIS-UEFISCDI, nrctr: TD161/2007, perioada: 2007-2009, ani desfășurare: 2 (<u>dovada, valoarea și durata proiect</u>)	5x2	10
2. Valorificarea deșeurilor de poliolefine și calcit prin obținere de noi materiale compozite Valoare grant: 549999 lei, finantator: UEFISCDI nrctr: TE349/2015, perioada: 2015-2017, ani desfășurare: 2	5x2	10

Chioara

Total 2.4.1		40
2.4.2. Membru în echipă		
2.4.2.1. Internaționale		
1. Magnetic sorting and ultrasound sensor technologies for production of high purity secondary polyolefins from waste – W2Plastics (proiect FP7), perioada : 2009, finanțator: Comisia Europeană, ani desfasurare:1	4×1	4
2. Corrosion and wear behavior of NiCrBSi coatings fabricated by laser cladding perioada: 2015, ani desfășurare: 1 finanțator: Comisia Europeană (The European Solar Research Infrastructure for Concentrated Solar Power SFERA II)	4×1	4
3. Improvement of MDF cements properties through metallic oxide coating using solar energy perioada: 2016, ani desfășurare:1 finanțator: Comisia Europeană (The European Solar Research Infrastructure for Concentrated Solar Power SFERA II)	4×1	4
4. Corrosion and wear resistant coatings for Al parts used for aerospace applications perioada: 2019, ani desfășurare: 1 finanțator: Comisia Europeană (The European Solar Research Infrastructure for Concentrated Solar Power SFERA III)	4×1	4
Total 2.4.2.1 și 2.4.2		16
Total 2.4		56

A3. Recunoașterea și impactul activității (Profesor-minim 120 puncte, realizat 1379,95)

A.3.1. Citări în reviste cotate în ISI [FI Factor de Impact] și în alte BDI (cu excluderea autocităților tuturor autorilor)			Punctaj realizat
3.1.1. Citări ISI			
1	titlu citat: Influence of ionic liquids on the surface properties of poplar veneers issn citat: 01694332 titlu: Drying kinetics of poplar lumber during periodic hot-press drying revista: Drying Technology issn: 07373937 An Apariție: 2018 Autori:5 CoefM:20 WOS: 000450556100010 link	(20/5)	4
2	titlu citat: Influence of ionic liquids on the surface properties of poplar veneers issn citat: 01694332 titlu: The effect of chemical modification of wood in ionic liquids on the supermolecular structure and mechanical properties of wood/polypropylene composites revista: Cellulose issn: 09690239 An Apariție: 2018 Autori:5 CoefM:20	(20/5)	4

	WOS: 000438276000026 link		
3	<p>titlu citat: Influence of ionic liquids on the surface properties of poplar veneers issn citat: 01694332</p> <p>titlu: Ionic liquids as a potential solvent for lipase-catalysed reactions: A review</p> <p>revista: Journal of Molecular Liquids</p> <p>issn: 01677322 An Apariție: 2018 Autori:5 CoefM:30</p> <p>WOS: 000425564300019 link</p>	(30/5)	6
4	<p>titlu citat: Influence of ionic liquids on the surface properties of poplar veneers issn citat: 01694332</p> <p>titlu: Decay Resistance of Polymerized Ionic Liquid-modified Woods</p> <p>revista: BioResources</p> <p>issn: 19302126 An Apariție: 2018 Autori:5 CoefM:15</p> <p>WOS: 000440506300067 link</p>	(15/5)	3
5	<p>titlu citat: Influence of ionic liquids on the surface properties of poplar veneers issn citat: 01694332</p> <p>titlu: Antistatic effects and mechanism of ionic liquids for methyl vinyl silicone rubber</p> <p>revista: Journal of Applied Polymer Science</p> <p>issn: 00218995 An Apariție: 2017 Autori:5 CoefM:15</p> <p>WOS: 000401948700024 link</p>	(15/5)	3
6	<p>titlu citat: Influence of ionic liquids on the surface properties of poplar veneers issn citat: 01694332</p> <p>titlu: The modification of cedar wood surface properties for the prevention of fungal adhesion</p> <p>revista: International Journal of Adhesion and Adhesives</p> <p>issn: 01437496 An Apariție: 2017 Autori:5 CoefM:20</p> <p>WOS: 000400039400005 link</p>	(20/5)	4
7	<p>titlu citat: Influence of ionic liquids on the surface properties of poplar veneers issn citat: 01694332</p> <p>titlu: Ionic liquids assisted processing of renewable resources for the fabrication of biodegradable composite materials</p> <p>revista: Green Chemistry</p> <p>issn: 14639262 An Apariție: 2017 Autori:5 CoefM:30</p> <p>WOS: 000400836500002 link</p>	(30/5)	6
8	<p>titlu citat: Influence of ionic liquids on the surface properties of poplar veneers issn citat: 01694332</p> <p>titlu: Particulate composites based on ionic liquid-treated oil palm fiber and thermoplastic starch</p> <p>revista: Clean Technologies and Environmental Policy</p> <p>issn: 1618954X An Apariție: 2016 Autori:5 CoefM:20</p> <p>WOS: 000386365400019 link</p>	(20/5)	4

Chotm

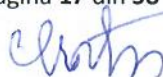
9	<p>titlu citat: Influence of ionic liquids on the surface properties of poplar veneers issn citat: 01694332</p> <p>titlu: Pretreatment of oil palm biomass with ionic liquids: a new approach for fabrication of green composite board</p> <p>revista: Journal of Cleaner Production</p> <p>issn: 09596526 An Apariție: 2016 Autori:5 CoefM:30</p> <p>WOS: 000376801100056 link</p>	(30/5)	6
10	<p>titlu citat: Influence of ionic liquids on the surface properties of poplar veneers issn citat: 01694332</p> <p>titlu: The influence of short-term thermo-mechanical densification on the surface wettability of wood veneers</p> <p>revista: Maderas-Ciencia Y Tecnologia</p> <p>issn: 0718221X An Apariție: 2016 Autori:5 CoefM:15</p> <p>WOS: 000374047300008 link</p>	(15/5)	3
11	<p>titlu citat: Influence of ionic liquids on the surface properties of poplar veneers issn citat: 01694332</p> <p>titlu: Determination of Wettability of Wood and Its Significance in Wood Science and Technology: A Critical Review</p> <p>revista: Reviews of Adhesion and Adhesives</p> <p>issn: 21680965 An Apariție: 2015 Autori:5 CoefM: 5</p> <p>WOS: 000421793000001 link</p>	(5/5)	1
12	<p>titlu citat: Influence of ionic liquids on the surface properties of poplar veneers issn citat: 01694332</p> <p>titlu: Superficial solvothermal treatment of the lignocellulosic biomass in ionic liquids – hygroscopicity, morphology and mechanical properties</p> <p>revista: Canadian Journal of Chemical Engineering</p> <p>issn: 00084034 An Apariție: 2015 Autori:5 CoefM: 15</p> <p>WOS: 000345977500003 link</p>	(15/5)	3
13	<p>titlu citat: Influence of ionic liquids on the surface properties of poplar veneers issn citat: 01694332</p> <p>titlu: Effect of surface treatment on bondability of birch veneer with PF resin</p> <p>revista: International Wood Products Journal</p> <p>issn: 20426445 An Apariție: 2015 Autori:5 CoefM: 5</p> <p>WOS: 000218999800002 link</p>	(5/5)	1
14	<p>titlu citat: Influence of ionic liquids on the surface properties of poplar veneers issn citat: 01694332</p> <p>titlu: Roasting of lignocellulosic biomass in ionic liquids: a comparative analysis spectroscopy surface</p> <p>revista: Canadian Journal of Chemical Engineering</p> <p>issn: 00084034 An Apariție: 2014 Autori:5 CoefM: 15</p>	(15/5)	3



	WOS:000343766700001 link		
15	titlu citat: Influence of ionic liquids on the surface properties of poplar veneers issn citat: 01694332 titlu: Thermoplastic deformation of poplar wood plasticized by ionic liquids measured by a nonisothermal compression technique revista: Holzforschung issn: 00183830 An Apariție: 2014 Autori:5 CoefM: 20 WOS: 000338843000007 link	(15/5)	3
16	titlu citat: Influence of ionic liquids on the surface properties of poplar veneers issn citat: 01694332 titlu: Antifungal activity of ionic liquid applied to linen fabric revista: International Biodeterioration & Biodegradation issn: 09648305 An Apariție: 2013 Autori:5 CoefM: 20 WOS: 000322942000054 link	(20/5)	4
17	titlu citat: Influence of ionic liquids on the surface properties of poplar veneers issn citat: 01694332 titlu: Micellization behavior of ionic liquid surfactants with two hydrophobic tail chains in aqueous solution revista: Journal of Applied Polymer Science issn: 00218995 An Apariție: 2013 Autori:5 CoefM: 15 WOS: 000319275700047 link	(15/5)	3
18	titlu citat: Influence of ionic liquids on the surface properties of poplar veneers issn citat: 01694332 titlu: Determination on Crystallinity of Ionic Liquids Pretreated Biomass revista: Chemical and Materials Engineering issn: 10226680 An Apariție: 2011 Autori:5 CoefM: 5 WOS: 000309430600146 link	(5/5)	1
19	titlu citat: Effect of UV exposure on the surface chemistry of wood veneers treated with ionic liquids issn citat: 01694332 titlu: Plasma Treatment of Thermally Modified and Unmodified Norway Spruce Wood by Diffuse Coplanar Surface Barrier Discharge revista: Coatings issn: 20796412 An Apariție: 2021 Autori:3 CoefM: 20 WOS: 000610026200001 link	(20/3)	6,66
20	titlu citat: Effect of UV exposure on the surface chemistry of wood veneers treated with ionic liquids issn citat: 01694332 titlu: Multi-Functional Luminescent Coating for Wood Fabric Based on Silica Sol-Gel Approach revista: Polymers issn: 20734360 An Apariție: 2021 Autori:3 CoefM: 20 WOS: 000606179300001 link	(20/3)	6,66

Chetm

21	<p>titlu citat: Effect of UV exposure on the surface chemistry of wood veneers treated with ionic liquids issn citat: 01694332</p> <p>titlu: The effect of ionic liquid and superbase pre-treatment on the spring-back, set-recovery and Brinell hardness of surface-densified Scots pine</p> <p>revista: Holzforschung</p> <p>issn: 00183830 An Apariție: 2020 Autori:3 CoefM: 15</p> <p>WOS: 000516773800007 link</p>	(15/3)	5
22	<p>titlu citat: Effect of UV exposure on the surface chemistry of wood veneers treated with ionic liquids issn citat: 01694332</p> <p>titlu: Surface Properties of Pine Scrimber Panels with Varying Density</p> <p>revista: Coatings</p> <p>issn: 20796412 An Apariție: 2019 Autori:3 CoefM: 20</p> <p>WOS: 000473753000052 link</p>	(20/3)	6,66
23	<p>titlu citat: Effect of UV exposure on the surface chemistry of wood veneers treated with ionic liquids issn citat: 01694332</p> <p>titlu: Natural Bio-Based Products for Wood Coating and Protection against Degradation: A Review</p> <p>revista: BioResources</p> <p>issn: 19302126 An Apariție: 2019 Autori:3 CoefM: 15</p> <p>WOS: 000466449000164 link</p>	(15/3)	5
24	<p>titlu citat: Effect of UV exposure on the surface chemistry of wood veneers treated with ionic liquids issn citat: 01694332</p> <p>titlu: Ionic Liquids as Green Solvents for Lignocellulosic Biomass Utilization</p> <p>revista: Industrial Applications of Green Solvents, Vol II, Book Series: Materials Research Foundations</p> <p>issn: 24718890 An Apariție: 2019 Autori:3 CoefM: 5</p> <p>WOS: 000487861000004 link</p>	(5/3)	1,66
25	<p>titlu citat: Effect of UV exposure on the surface chemistry of wood veneers treated with ionic liquids issn citat: 01694332</p> <p>titlu: Photodegradation of natural wood veneer and studies on its color stabilization for automotive interior materials</p> <p>revista: Journal of Wood Chemistry and Technology</p> <p>issn: 0277-3813 An Apariție: 2018 Autori:3 CoefM: 15</p> <p>WOS: 000446355200001 link</p>	(15/3)	5
26	<p>titlu citat: Effect of UV exposure on the surface chemistry of wood veneers treated with ionic liquids issn citat: 01694332</p> <p>titlu: Decay Resistance of Polymerized Ionic Liquid-modified Woods</p> <p>revista: BioResources</p> <p>issn: 1930-2126 An Apariție: 2018 Autori:3 CoefM: 15</p> <p>WOS: 000440506300067 link</p>	(15/3)	5



27	<p>titlu citat: Effect of UV exposure on the surface chemistry of wood veneers treated with ionic liquids issn citat: 01694332</p> <p>titlu: Pre-treatment with sodium silicate, sodium hydroxide, ionic liquids or methacrylate resin to reduce the set-recovery and increase the hardness of surface-densified Scots pine</p> <p>revista: Iforest-Biogeosciences and Forestry</p> <p>issn: 1971-7458 An Apariție: 2018 Autori:3 CoefM: 15</p> <p>WOS: 000413842100004 link</p>	(15/3)	5
28	<p>titlu citat: Effect of UV exposure on the surface chemistry of wood veneers treated with ionic liquids issn citat: 01694332</p> <p>titlu: Ionic liquids assisted processing of renewable resources for the fabrication of biodegradable composite materials</p> <p>revista: Green Chemistry</p> <p>issn: 1463-9262 An Apariție: 2017 Autori:3 CoefM: 30</p> <p>WOS: 000400836500002 link</p>	(30/3)	10
29	<p>titlu citat: Effect of UV exposure on the surface chemistry of wood veneers treated with ionic liquids issn citat: 01694332</p> <p>titlu: Properties of wood polymer nanocomposites impregnated with melamine formaldehyde-furfuryl alcohol copolymer and nanoclay</p> <p>revista: Cellulose Chemistry and Technology</p> <p>issn: 0576-9787 An Apariție: 2017 Autori:3 CoefM: 10</p> <p>WOS: 000403009800020 link</p>	(10/3)	3,33
30	<p>titlu citat: Effect of UV exposure on the surface chemistry of wood veneers treated with ionic liquids issn citat: 01694332</p> <p>titlu: An investigation of accelerated temperature-induced ageing of four wood species: colour and FTIR</p> <p>revista: Wood Science and Technology</p> <p>issn: 0043-7719 An Apariție: 2017 Autori:3 CoefM: 20</p> <p>WOS: 000395073600009 link</p>	(20/3)	6,66
31	<p>titlu citat: Effect of UV exposure on the surface chemistry of wood veneers treated with ionic liquids issn citat: 01694332</p> <p>titlu: Surfactant-free carnauba wax dispersion and its use for layer-by-layer assembled protective surface coatings on wood</p> <p>revista: Applied Surface Science</p> <p>issn: 0169-4332 An Apariție: 2017 Autori:3 CoefM: 30</p> <p>WOS: 000391418200011 link</p>	(30/3)	10
32	<p>titlu citat: Effect of UV exposure on the surface chemistry of wood veneers treated with ionic liquids issn citat: 01694332</p> <p>titlu: Natural weathering of Scots pine (Pinus sylvestris L.) wood treated with epoxidized linseed oil and methyltriethoxysilane</p> <p>revista: Wood Material Science & Engineering</p> <p>issn: 1748-0272 An Apariție: 2017 Autori:3 CoefM: 15</p>	(15/3)	5

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	WOS:000402709800005 link		
33	<p>titlu citat: Effect of UV exposure on the surface chemistry of wood veneers treated with ionic liquids issn citat: 01694332</p> <p>titlu: Ultraviolet resistance and other physical properties of softwood polymer nanocomposites reinforced with ZnO nanoparticles and nanoclay</p> <p>revista: Wood Material Science & Engineering</p> <p>issn: 1748-0272 An Apariție: 2017 Autori:3 CoefM: 15</p> <p>WOS: 000393218700003 link</p>	(15/3)	5
34	<p>titlu citat: Effect of UV exposure on the surface chemistry of wood veneers treated with ionic liquids issn citat: 0169-4332</p> <p>titlu: Epoxy and succinic anhydride functionalized soybean oil for wood protection against UV light action</p> <p>revista: Journal of Cleaner Production</p> <p>issn: 0959-6526 An Apariție: 2016 Autori:3 CoefM: 30</p> <p>WOS:000368206700121 link</p>	(15/3)	5
35	<p>titlu citat: Effect of UV exposure on the surface chemistry of wood veneers treated with ionic liquids issn citat: 01694332</p> <p>titlu: Comparative study of photodegradation of six wood species after short-time UV exposure</p> <p>revista: Wood Science and Technology</p> <p>issn: 0043-7719 An Apariție: 2016 Autori:3 CoefM: 20</p> <p>WOS: 000367922200010 link</p>	(20/3)	6,66
36	<p>titlu citat: Effect of UV exposure on the surface chemistry of wood veneers treated with ionic liquids issn citat: 01694332</p> <p>titlu: In situ deposition of graphene nanosheets on wood surface by one-pot hydrothermal method for enhanced UV-resistant ability</p> <p>revista: Applied Surface Science</p> <p>issn: 0169-4332 An Apariție: 2016 Autori:3 CoefM: 30</p> <p>WOS: 000356058500121 link</p>	(30/3)	10
37	<p>titlu citat: Effect of UV exposure on the surface chemistry of wood veneers treated with ionic liquids issn citat: 01694332</p> <p>titlu: Multifunctional wood materials with magnetic, superhydrophobic and anti-ultraviolet properties</p> <p>revista: Applied Surface Science</p> <p>issn: 0169-4332 An Apariție: 2015 Autori:3 CoefM: 30</p> <p>WOS:000350373300073 link</p>	(30/3)	10
38	<p>titlu citat: Effect of UV exposure on the surface chemistry of wood veneers treated with ionic liquids issn citat: 01694332</p> <p>titlu: Thermoplastic deformation of poplar wood plasticized by ionic liquids measured by a nonisothermal compression technique</p> <p>revista: Holzforschung</p>	(15/3)	5

clătina

	issn: 00183830 An Apariție: 2014 Autori:3 CoefM: 15 WOS: 000338843000007 link		
39	titlu citat: Effect of UV exposure on the surface chemistry of wood veneers treated with ionic liquids issn citat: 01694332 titlu: Photo-scanning colorimetry of wood and transparent wood coatings revista: European Journal of Wood and Wood Products issn: 0018-3768 An Apariție: 2014 Autori:3 CoefM: 15 WOS:000337789700008 link	(15/3)	5
40	titlu citat: Effect of UV exposure on the surface chemistry of wood veneers treated with ionic liquids issn citat: 01694332 titlu: Synergistic Effect of Nano-TiO₂ and Nanoclay on the Ultraviolet Degradation and Physical Properties of Wood Polymer Nanocomposites revista: Industrial & Engineering Chemistry Research issn: 0888-5885 An Apariție: 2013 Autori:3 CoefM: 20 WOS: 000330098700003 link	(20/3)	6,66
41	titlu citat: Study of the PVA hydrogel behaviour in 1-butyl-3-methylimidazolium tetrafluoroborate ionic liquid issn citat: 1788-618X titlu: The Impact of Reactive Ionic Liquids Addition on the Physicochemical and Sorption Properties of Poly(Vinyl Alcohol)-Based Films revista: Polymers issn: 2073-4360 An Apariție: 2020 Autori:4 CoefM: 20 WOS: 000579932600001 link	(20/4)	5
42	titlu citat: Study of the PVA hydrogel behaviour in 1-butyl-3-methylimidazolium tetrafluoroborate ionic liquid issn citat: 1788-618X titlu: 2-Acrylamido-2-methyl-1-propane Sulfonic Acid Based Ionic Liquid: Structural and Thermal Characterization revista: Acta Physica Polonica A issn: 0587-4246 An Apariție: 2020 Autori:4 CoefM: 10 WOS: 000537521100029 link	(10/4)	2,5
43	titlu citat: Study of the PVA hydrogel behaviour in 1-butyl-3-methylimidazolium tetrafluoroborate ionic liquid issn citat: 1788-618X titlu: Colorimetric Humidity Sensor Using Inverse Opal Photonic Gel in Hydrophilic Ionic Liquid revista: Sensors issn: 1424-8220 An Apariție: 2018 Autori:4 CoefM: 20 WOS: 000435580300056 link	(20/4)	5
44	titlu citat: Study of the PVA hydrogel behaviour in 1-butyl-3-methylimidazolium tetrafluoroborate ionic liquid issn citat: 1788-618X	(20/4)	5

Chertny

	<p>titlu: Polycarbonate/1-(2-hydroxyethyl)-2,3-dimethylimidazolium chloride composite membranes and short-range chain mobility analysis</p> <p>revista: Journal of Applied Polymer Science</p> <p>issn: 0021-8995 An Apariție: 2017 Autori: 4 CoefM: 20</p> <p>WOS: 000401781100021 link</p>		
45	<p>titlu citat: Study of the PVA hydrogel behaviour in 1-butyl-3-methylimidazolium tetrafluoroborate ionic liquid issn citat: 1788-618X</p> <p>titlu: Hydrogel Micro-/Nanosphere Coated by a Lipid Bilayer: Preparation and Microscopic Probing</p> <p>revista: Gels</p> <p>issn: 2310-2861 An Apariție: 2017 Autori: 4 CoefM: 5</p> <p>WOS: 000461121500006 link</p>	(5/4)	1,25
46	<p>titlu citat: Study of the PVA hydrogel behaviour in 1-butyl-3-methylimidazolium tetrafluoroborate ionic liquid issn citat: 1788-618X</p> <p>titlu: Ultrasound-Responsive Behavior of Gelatinous Ionic Liquid/Poly(vinyl alcohol) Composites</p> <p>revista: Industrial & Engineering Chemistry Research</p> <p>issn: 0888-5885 An Apariție: 2016 Autori: 4 CoefM: 20</p> <p>WOS: 000384038000014 link</p>	(20/4)	5
47	<p>titlu citat: Study of the PVA hydrogel behaviour in 1-butyl-3-methylimidazolium tetrafluoroborate ionic liquid issn citat: 1788-618X</p> <p>titlu: Enhanced supercapacitive performances of functionalized activated carbon in novel gel polymer electrolytes with ionic liquid redox-mediated poly(vinyl alcohol)/phosphoric acid</p> <p>revista: RSC Advances</p> <p>issn: 2046-2069 An Apariție: 2016 Autori: 4 CoefM: 20</p> <p>WOS: 000381513800045 link</p>	(20/4)	5
48	<p>titlu citat: Study of the PVA hydrogel behaviour in 1-butyl-3-methylimidazolium tetrafluoroborate ionic liquid issn citat: 1788-618X</p> <p>titlu: Influence of poly(vinyl alcohol) on cellulose photochemical stability in cryogels during UV irradiation</p> <p>revista: Journal of Photochemistry and Photobiology A-Chemistry</p> <p>issn: 1010-6030 An Apariție: 2015 Autori: 4 CoefM: 20</p> <p>WOS: 000345950400004 link</p>	(20/4)	5
49	<p>titlu citat: Study of the PVA hydrogel behaviour in 1-butyl-3-methylimidazolium tetrafluoroborate ionic liquid issn citat: 1788-618X</p> <p>titlu: Synthesis and characterization of polyvinyl alcohol/cellulose cryogels and their testing as carriers for a bioactive component</p> <p>revista: Materials Science & Engineering C-Materials for Biological Applications</p> <p>issn: 0928-4931 An Apariție: 2012 Autori: 4 CoefM: 30</p>	(30/4)	7,5

Chetan

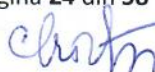
	WOS: 000310396900055 link		
50	<p>titlu citat: Dual Coating Laser Cladding of NiCrBSi and Inconel 718 issn citat: 1042-6914</p> <p>titlu: Influence of buffer layer on surface and tribomechanical properties of laser cladde Stellite 6</p> <p>revista: Materials Science and Engineering B-Advanced Functional Solid-State Materials</p> <p>issn: 0921-5107 An Apariție: 2021 Autori:7 CoefM: 20</p> <p>WOS: 000596686200005 link</p>	(20/7)	2,85
51	<p>titlu citat: Dual Coating Laser Cladding of NiCrBSi and Inconel 718 issn citat: 1042-6914</p> <p>titlu: Prediction of solidification cracking by an empirical-statistical analysis for laser cladding of Inconel 718 powder on a non-weldable substrate</p> <p>revista: Optics and Laser Technology</p> <p>issn: 0030-3992 An Apariție: 2020 Autori:7 CoefM: 20</p> <p>WOS: 000550261800039 link</p>	(20/7)	2,85
52	<p>titlu citat: Dual Coating Laser Cladding of NiCrBSi and Inconel 718 issn citat: 1042-6914</p> <p>titlu: Effect of Laser Remelting on Tribological Performance of Ni-Cr-B-Si Coatings Deposited by Laser Metal Deposition</p> <p>revista: Soldagem & Inspecao</p> <p>issn: 0104-9224 An Apariție: 2020 Autori:7 CoefM: 5</p> <p>WOS: 000612116700013 link</p>	(10/7)	0,71
53	<p>titlu citat: Dual Coating Laser Cladding of NiCrBSi and Inconel 718 issn citat: 1042-6914</p> <p>titlu: Evolution of microstructure and performance of plasma cladding coating and interface with thermomechanical coupling effects</p> <p>revista: Surface Engineering</p> <p>issn: 0267-0844 An Apariție: 2020 Autori:7 CoefM: 20</p> <p>WOS: 000505095000001 link</p>	(20/7)	2,85
54	<p>titlu citat: Dual Coating Laser Cladding of NiCrBSi and Inconel 718 issn citat: 1042-6914</p> <p>titlu: Laser cladding Ni-Ti-Cr alloy coatings with different process parameters</p> <p>revista: Materials and Manufacturing Processes</p> <p>issn: 1042-6914 An Apariție: 2020 Autori:7 CoefM: 20</p> <p>WOS: 000495164400001 link</p>	(20/7)	2,85
55	<p>titlu citat: Dual Coating Laser Cladding of NiCrBSi and Inconel 718 issn citat: 1042-6914</p>	(20/7)	2,85

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	<p>titlu: High-temperature wear behaviour of HVOF sprayed 65% (NiCrSiFeBC)-35% (WC-Co) coating</p> <p>revista: Surface Engineering</p> <p>issn: 0267-0844 An Apariție: 2020 Autori:7 CoefM: 20</p> <p>WOS: 000476334200001 link</p>		
56	<p>titlu citat: Dual Coating Laser Cladding of NiCrBSi and Inconel 718 issn citat: 1042-6914</p> <p>titlu: Effect of Chemical Composition on Hard Deposits Properties in the Case of Weld Refurbishment of Heavy Crushing Hammers</p> <p>revista: Revista de Chimie</p> <p>issn: 0267-0844 An Apariție: 2019 Autori:7 CoefM: 15</p> <p>WOS: 000461982200012 link</p>	(15/7)	2,14
57	<p>titlu citat: Dual Coating Laser Cladding of NiCrBSi and Inconel 718 issn citat: 1042-6914</p> <p>titlu: Experimental and Taguchi-Based Grey Approach of Laser Metal Deposition Technique on Nickel-Based Superalloy</p> <p>revista: Transactions of The Indian Institute of Metals</p> <p>issn: 0972-2815 An Apariție: 2019 Autori:7 CoefM: 15</p> <p>WOS: 000457005500020 link</p>	(15/7)	2,14
58	<p>titlu citat: Dual Coating Laser Cladding of NiCrBSi and Inconel 718 issn citat: 1042-6914</p> <p>titlu: An XPS Study with Depth Profiling for the Surface Oxide Layer Formed on Aluminides Produced on Superalloy 690 Substrates</p> <p>revista: Oxidation of Metals</p> <p>issn: 0030-770X An Apariție: 2018 Autori:7 CoefM: 15</p> <p>WOS: 000431319100011 link</p>	(15/7)	2,14
59	<p>titlu citat: Dual Coating Laser Cladding of NiCrBSi and Inconel 718 issn citat: 1042-6914</p> <p>titlu: Aluminide formation on Alloy 800 by plasma spraying and heat treatment</p> <p>revista: Materials and Manufacturing Processes</p> <p>issn: 1042-6914 An Apariție: 2017 Autori:7 CoefM: 20</p> <p>WOS: 000415709300007 link</p>	(20/7)	2,85
60	<p>titlu citat: Long-Chain Alkylimidazolium Ionic Liquid Functionalization of Cellulose Nanofibers and Their Embedding in HDPE Matrix issn citat: 1687-9422</p> <p>titlu: Recent Advances in Nanocellulose Composites with Polymers: A Guide for Choosing Partners and How to Incorporate Them</p> <p>revista: Polymers</p> <p>issn: 2073-4360 An Apariție: 2018 Autori:2 CoefM: 20</p> <p>WOS: 000435199300055 link</p>	(20/2)	10



61	<p>titlu citat: Long-Chain Alkylimidazolium Ionic Liquid Functionalization of Cellulose Nanofibers and Their Embedding in HDPE Matrix issn citat: 1687-9422</p> <p>titlu: Optimization of Process Variables in the Synthesis of Tributyl Citrate Using a Polyvinylpyrrolidone-Supported Bronsted Acidic Ionic Liquid Catalyst</p> <p>revista: International Journal of Polymer Science</p> <p>issn: 2073-4360 An Apariție: 2018 Autori:2 CoefM: 20</p> <p>WOS: 000440476700001 link</p>	(20/2)	10
62	<p>titlu citat: Ammonia sensor based on poly (vinyl alcohol) cryogel issn citat: 1726-9679</p> <p>titlu: Multi-exposure image fusion based on linear embeddings and watershed masking</p> <p>revista: Signal Processing</p> <p>issn: 0165-1684 An Apariție: 2021 Autori:5 CoefM: 20</p> <p>WOS: 000582425200008 link</p>	(20/5)	4
63	<p>titlu citat: Ammonia sensor based on poly (vinyl alcohol) cryogel issn citat: 1726-9679</p> <p>titlu: Solid-contact Potentiometric Sensor for the Determination of Total Ammonia Nitrogen in Seawater</p> <p>revista: International Journal of Electrochemical Science</p> <p>issn: 1452-3981 An Apariție: 2017 Autori:5 CoefM: 15</p> <p>WOS: 000402199900057 link</p>	(15/5)	3
64	<p>titlu citat: Ecological method for separation of inulin from phytoextracts using molecularly imprinted poly (vinyl alcohol) films issn citat: 1726-9679</p> <p>titlu: Effects of Short-Chain Inulin on Quality of Chinese Steamed Bread</p> <p>revista: Journal of Food Quality</p> <p>issn: 0146-9428 An Apariție: 2016 Autori:3 CoefM: 15</p> <p>WOS: 000380958900003 link</p>	(15/3)	5
65	<p>titlu citat: Molecularly imprinted poly (vinyl alcohol) films for the selective absorption of glycyrrhizinic acid from aqueous solutions issn citat: 1582-9596</p> <p>titlu: Molecular imprinting science and technology: a survey of the literature for the years 2004-2011</p> <p>revista: Journal of Molecular Recognition</p> <p>issn: 0952-3499 An Apariție: 2014 Autori:3 CoefM: 20</p> <p>WOS: 000333799800001 link</p>	(20/3)	6,66
66	<p>titlu citat: Selectivity studies of caffeine molecularly imprinted poly (vinyl alcohol) hydrogels issn citat: 1582-9596</p>	(20/3)	6,66



	<p>titlu: Molecular imprinting science and technology: a survey of the literature for the years 2004-2011</p> <p>revista: Journal of Molecular Recognition</p> <p>issn: 0952-3499 An Apariție: 2014 Autori:3 CoefM: 20</p> <p>WOS: 000333799800001 link</p>		
67	<p>titlu citat: Ecologic modification of wood using alkylimidazolium-based ionic liquids issn citat: 1582-9596</p> <p>titlu: Air filtration and antimicrobial capabilities of electrospun PLA/PHB containing ionic liquid</p> <p>revista: Separation and Purification Technology</p> <p>issn: 1383-5866 An Apariție: 2015 Autori:4 CoefM: 30</p> <p>WOS: 000364245500020 link</p>	(30/4)	7,5
68	<p>titlu citat: Ecologic modification of wood using alkylimidazolium-based ionic liquids issn citat: 1582-9596</p> <p>titlu: Utilization of Ionic Liquids in Wood and Wood-Related Applications – A Review</p> <p>revista: Ionic Liquids – Current State of The Art</p> <p>isbn:978-953-51-2122-0 An Apariție: 2015 Autori:4 CoefM: 5</p> <p>WOS: 000404740400017 link</p>	(5/4)	1,25
69	<p>titlu citat: Imprinted Poly (vinyl alcohol) as a Promising Tool for Xanthine Derivatives Separation issn citat: 0021-8995</p> <p>titlu: Molecular imprinting science and technology: a survey of the literature for the years 2004-2011</p> <p>revista: Journal of Molecular Recognition</p> <p>issn: 0952-3499 An Apariție: 2014 Autori:2 CoefM: 20</p> <p>WOS: 000333799800001 link</p>	(20/2)	10
70	<p>titlu citat: Effect of alkylimidazolium based ionic liquids on the structure of UV-irradiated cellulose issn citat: 0969-0239</p> <p>titlu: Unusual phase transition mechanism of poly(ethylene oxide) in an ionic liquid: opposite frequency shifts in C-H groups</p> <p>revista: Soft Matter</p> <p>issn: 1744-683X An Apariție: 2014 Autori:4 CoefM: 20</p> <p>WOS: 000327500200018 link</p>	(20/4)	5
71	<p>titlu citat: Paraloid B72 Versus Paraloid B72 with Nano-ZnO Additive as Consolidants for Wooden Artefacts issn citat: 0025-5289</p> <p>titlu: Scientific methods for the treatment of Ibis mummy's wooden coffin</p> <p>revista: Egyptian Journal of Archaeological and Restoration Studies</p> <p>issn: 2090-4932 An Apariție: 2020 Autori:5 CoefM: 5</p> <p>WOS: 000591833500002 link</p>	(5/5)	1
72	<p>titlu citat: Paraloid B72 Versus Paraloid B72 with Nano-ZnO Additive as Consolidants for Wooden Artefacts issn citat: 0025-5289</p>	(20/5)	4

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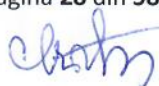
	<p>titlu: Consolidation of Fir Wood by Poly (vinyl butyral-co-vinyl alcohol-co-vinyl acetate) Treatment: Study of Surface and Mechanical Characteristics</p> <p>revista: Polymers</p> <p>issn: 2073-4360 An Apariție: 2020 Autori:5 CoefM: 20</p> <p>WOS: 000541431100044 link</p>		
73	<p>titlu citat: Paraloid B72 Versus Paraloid B72 with Nano-ZnO Additive as Consolidants for Wooden Artefacts issn citat: 0025-5289</p> <p>titlu: Nanomaterials Used in Conservation and Restoration of Cultural Heritage: An Up-to-Date Overview</p> <p>revista: Materials</p> <p>issn: 1996-1944 An Apariție: 2020 Autori:5 CoefM: 20</p> <p>WOS: 000535941100058 link</p>	(20/5)	4
74	<p>titlu citat: Paraloid B72 Versus Paraloid B72 with Nano-ZnO Additive as Consolidants for Wooden Artefacts issn citat: 0025-5289</p> <p>titlu: Evaluation of the Mechanical, Physical, and Anti-Fungal Properties of Flax Laboratory Papersheets with the Nanoparticles Treatment</p> <p>revista: Materials</p> <p>issn: 1996-1944 An Apariție: 2020 Autori:5 CoefM: 20</p> <p>WOS: 000515499900110 link</p>	(20/5)	4
75	<p>titlu citat: Paraloid B72 Versus Paraloid B72 with Nano-ZnO Additive as Consolidants for Wooden Artefacts issn citat: 0025-5289</p> <p>titlu: Consolidation of historical woods using polyvinyl butyral/zinc oxide nano-composite: investigation of water absorption, wettability, and resistance to weathering</p> <p>revista: International Journal of Conservation Science</p> <p>issn: 2067-533X An Apariție: 2020 Autori:5 CoefM: 5</p> <p>WOS: 000520030000002 link</p>	(5/5)	1
76	<p>titlu citat: Paraloid B72 Versus Paraloid B72 with Nano-ZnO Additive as Consolidants for Wooden Artefacts issn citat: 0025-5289</p> <p>titlu: Consolidation of very degraded cultural heritage wood artefacts using radiation curing of polyester resins</p> <p>revista: Radiation Physics and Chemistry</p> <p>issn: 0969-806X An Apariție: 2019 Autori:5 CoefM: 20</p> <p>WOS: 000460717500041 link</p>	(20/5)	4
77	<p>titlu citat: Paraloid B72 Versus Paraloid B72 with Nano-ZnO Additive as Consolidants for Wooden Artefacts issn citat: 0025-5289</p> <p>titlu: A new mixture of hydroxypropyl cellulose and nanocellulose for wood consolidation</p> <p>revista: Journal of Cultural Heritage</p> <p>issn: 1296-2074 An Apariție: 2019 Autori:5 CoefM: 20</p>	(20/5)	4

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	WOS: 000457700400014 link		
78	<p>titlu citat: Paraloid B72 Versus Paraloid B72 with Nano-ZnO Additive as Consolidants for Wooden Artefacts issn citat: 0025-5289</p> <p>titlu: Wood preservation with gold hydroxyapatite system</p> <p>revista: Heritage Science</p> <p>issn: 2050-7445 An Apariție: 2018 Autori:5 CoefM: 15</p> <p>WOS: 000435884900001 link</p>	(15/5)	3
79	<p>titlu citat: Paraloid B72 Versus Paraloid B72 with Nano-ZnO Additive as Consolidants for Wooden Artefacts issn citat: 0025-5289</p> <p>titlu: Decay resistance of rubberwood (Hevea brasiliensis) impregnated with ZnO and CuO nanoparticles dispersed in propylene glycol</p> <p>revista: International Biodeterioration & Biodegradation</p> <p>issn: 0964-8305 An Apariție: 2017 Autori:5 CoefM: 20</p> <p>WOS: 000403858400012 link</p>	(20/5)	4
80	<p>titlu citat: Paraloid B72 Versus Paraloid B72 with Nano-ZnO Additive as Consolidants for Wooden Artefacts issn citat: 0025-5289</p> <p>titlu: Biological performance, water absorption, and swelling of wood treated with nano-particles combined with the application of Paraloid B72((R))</p> <p>revista: Journal of Forestry Research</p> <p>issn: 1007-662X An Apariție: 2017 Autori:5 CoefM: 15</p> <p>WOS: 000395076000017 link</p>	(15/5)	3
81	<p>titlu citat: Paraloid B72 Versus Paraloid B72 with Nano-ZnO Additive as Consolidants for Wooden Artefacts issn citat: 0025-5289</p> <p>titlu: Growth inhibition of moulds on wood surfaces in presence of nano-zinc oxide and its combinations with polyacrylate and essential oils</p> <p>revista: Wood Research</p> <p>issn: 1336-4561 An Apariție: 2017 Autori:5 CoefM: 10</p> <p>WOS: 000396038700004 link</p>	(10/5)	2
82	<p>titlu citat: Paraloid B72 Versus Paraloid B72 with Nano-ZnO Additive as Consolidants for Wooden Artefacts issn citat: 0025-5289</p> <p>titlu: Evaluation of Conservation State by Analysis of Imperial Gates' Constituent Materials Belonging to A Aschileu Mic Wooden Church, Cluj County</p> <p>revista: Revista de Chimie</p> <p>issn: 0034-7752 An Apariție: 2015 Autori:5 CoefM: 15</p> <p>WOS: 000359179900014 link</p>	(15/5)	3
83	<p>titlu citat: Paraloid B72 Versus Paraloid B72 with Nano-ZnO Additive as Consolidants for Wooden Artefacts issn citat: 0025-5289</p>	(5/5)	1



	<p>titlu: Decay inhibition of lime wood with zinc oxide nanoparticles used in combination with acrylic resin</p> <p>revista: Acta Facultatis Xylogologiae Zvolen</p> <p>issn: 1336-3824 An Apariție: 2015 Autori:5 CoefM: 5</p> <p>WOS: 000434542000005 link</p>		
84	<p>titlu citat: Paraloid B72 Versus Paraloid B72 with Nano-ZnO Additive as Consolidants for Wooden Artefacts issn citat: 0025-5289</p> <p>titlu: Viscometric Study of some Polyzwitterions based on poly(4-vinylpyridine)</p> <p>revista: Revista de Chimie</p> <p>issn: 0034-7752 An Apariție: 2013 Autori:5 CoefM: 15</p> <p>WOS: 000330914400012 link</p>	(15/5)	3
85	<p>titlu citat: Paraloid B72 Versus Paraloid B72 with Nano-ZnO Additive as Consolidants for Wooden Artefacts issn citat: 0025-5289</p> <p>titlu: Water Repellent Effect and Dimension Stability of Beech Wood Impregnated with Nano-Zinc Oxide</p> <p>revista: BioResources</p> <p>issn: 1930-2126 An Apariție: 2013 Autori:5 CoefM: 15</p> <p>WOS: 000328280700119 link</p>	(15/5)	3
86	<p>titlu citat: Ionic liquids influence on the surface properties of electron beam irradiated wood issn citat: 0169-4332</p> <p>titlu: Evaluation of a regression prediction model for surface roughness of wood-polyethylene composite (WPC)</p> <p>revista: Surface Review and Letters</p> <p>issn: 0218-625X An Apariție: 2017 Autori:5 CoefM: 10</p> <p>WOS: 000414965600015 link</p>	(10/5)	2
87	<p>titlu citat: Ionic liquids influence on the surface properties of electron beam irradiated wood issn citat: 0169-4332</p> <p>titlu: Ionic liquids assisted processing of renewable resources for the fabrication of biodegradable composite materials</p> <p>revista: Green Chemistry</p> <p>issn: 1463-9262 An Apariție: 2017 Autori:5 CoefM: 30</p> <p>WOS:000400836500002 link</p>	(30/5)	6
88	<p>titlu citat: Diffusion and Controlled Release in Physically Crosslinked Poly (Vinyl Alcohol)/Iota-Carrageenan Hydrogel Blends issn citat: 2073-4360</p> <p>titlu: Thermal degradation and drug sorption in hybrid interpolyelectrolyte particles</p> <p>revista: Colloids and Surfaces A-Physicochemical and Engineering Aspects</p> <p>issn: 0927-7757 An Apariție: 2021 Autori:4 CoefM: 20</p> <p>WOS: 000607560000004 link</p>	(20/4)	5



89	<p>titlu citat: Influence of Internal Innovative Architecture on the Mechanical Properties of 3D Polymer Printed Parts issn citat: 2073-4360</p> <p>titlu: Effects of the Face/Core Layer Ratio on the Mechanical Properties of 3D Printed Wood/Polylactic Acid (PLA) Green Biocomposite Panels with a Gyroid Core</p> <p>revista: Polymers</p> <p>issn: 2073-4360 An Apariție: 2020 Autori:7 CoefM: 20</p> <p>WOS: 000602487000001 link</p>	(20/7)	2,85
90	<p>titlu citat: Influence of Internal Innovative Architecture on the Mechanical Properties of 3D Polymer Printed Parts issn citat: 2073-4360</p> <p>titlu: 3D Printing PLA Waste to Produce Ceramic Based Particulate Reinforced Composite Using Abundant Silica-Sand: Mechanical Properties Characterization</p> <p>revista: Polymers</p> <p>issn: 2073-4360 An Apariție: 2020 Autori:7 CoefM: 20</p> <p>WOS: 000593749400001 link</p>	(20/7)	2,85
91	<p>titlu citat: Surface engineering of Ni-Al coatings through concentrated solar heat treatment issn citat: 0169-4332</p> <p>titlu: Ni-Al nanocomposite coating electrodeposited from deep eutectic solvent</p> <p>revista: Surface & Coatings Technology</p> <p>issn: 0257-8972 An Apariție: 2021 Autori:9 CoefM: 20</p> <p>WOS: 000604583200059 link</p>	(20/9)	2,22
92	<p>titlu citat: Surface engineering of Ni-Al coatings through concentrated solar heat treatment issn citat: 0169-4332</p> <p>titlu: Tetrasulfonate substituted phthalocyaninatozinc (II) (ZnTSPc) modification on the two dimensional surface of ZnO: On-surface synthesis, interface characteristics, and its selective photodegradation under visible irradiation</p> <p>revista: Colloids and Surfaces A-Physicochemical and Engineering Aspects</p> <p>issn: 0927-7757 An Apariție: 2021 Autori:7 CoefM: 20</p> <p>WOS: 000605576800007 link</p>	(20/7)	2,85
93	<p>titlu citat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications issn citat: 2073-4360</p> <p>titlu: K-carrageenan/Na-alginate wound dressing with sustainable drug delivery properties</p> <p>revista: Polymers for Advanced Technologies</p> <p>issn: 1042-7147 An Apariție: 2021 Autori:6 CoefM: 20</p>	(20/6)	3,33

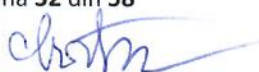
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94	<p>titlu citat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications issn citat: 2073-4360</p> <p>titlu: Preparation and Characterization of Gamma Radiation Assisted Poly-Vinyl Alcohol/Acrylic Acid/Poly-4-Styrene Sulphonic Acid Based Hydrogel: Application for Textile Dye Removal</p> <p>revista: Journal of Polymers and the Environment</p> <p>issn: 1566-2543 An Apariție: 2021 Autori:6 CoefM: 20</p> <p>WOS: 000572869400001 link</p>	(20/6)	3,33
95	<p>titlu citat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications issn citat: 2073-4360</p> <p>titlu: Influence of kappa-carrageenan on the gel properties of auricularia auricular-judaeduring freeze-thaw cycles</p> <p>revista: International Journal of Food Science and Technology</p> <p>issn: 0950-5423 An Apariție: 2020 Autori:6 CoefM: 20</p> <p>WOS: 000563745800001 link</p>	(20/6)	3,33
96	<p>titlu citat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications issn citat: 2073-4360</p> <p>titlu: Selective Vapor Permeation Behavior of Crosslinked PAMPS Membranes</p> <p>revista: Polymers</p> <p>issn: 2073-4360 An Apariție: 2020 Autori:6 CoefM: 20</p> <p>WOS: 000535587700257 link</p>	(20/6)	3,33
97	<p>titlu citat: Increasing the Calorific Properties of Sawdust Waste from Pellets by Torrefaction issn citat: 1930-2126</p> <p>titlu: Agricultural, forestry, textile and food waste used in the manufacture of biomass briquettes: a review</p> <p>revista: Scientia Agropecuaria</p> <p>issn: 2077-9917 An Apariție: 2020 Autori:4 CoefM: 5</p> <p>WOS: 000575164000015 link</p>	(5/4)	1,25
98	<p>titlu citat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issn citat: 0021-8995</p> <p>titlu: Fabrication of Conductive Filaments for 3D-printing: Polymer Nanocomposites</p> <p>revista: Biointerface Research in Applied Chemistry</p> <p>issn: 2069-5837 An Apariție: 2020 Autori:9 CoefM: 5</p> <p>WOS: 000541606700001 link</p>	(5/9)	0,55
99	<p>titlu citat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issn citat: 0021-8995</p>	(20/9)	2,22

	titlu: Bio-Based Packaging Materials Containing Substances Derived from Coffee and Tea Plants revista: Materials issn: 1996-1944 An Apariție: 2020 Autori:9 CoefM: 20 WOS: 000602976200001 link		
100	titlu citat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issn citat: 0021-8995 titlu: Bio-Based Packaging Materials Containing Substances Derived from Coffee and Tea Plants revista: Macromolecular Materials and Engineering issn: 1438-7492 An Apariție: 2020 Autori:9 CoefM: 20 WOS: 000570209100001 link	(20/9)	2,22
101	titlu citat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issn citat: 0021-8995 titlu: A review of 3D and 4D printing of natural fibre biocomposites revista: Materials & Design issn: 0264-1275 An Apariție: 2020 Autori:9 CoefM: 30 WOS: 000570161800004 link	(30/9)	3,33
102	titlu citat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issn citat: 0021-8995 titlu: Mechanical characterisation of a bamboo fibre/polylactic acid composite produced by fused deposition modelling revista: Journal of Reinforced Plastics and Composites issn: 0731-6844 An Apariție: 2020 Autori:9 CoefM: 15 WOS: 000545340000001 link	(15/9)	1,66
103	titlu citat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issn citat: 0021-8995 titlu: Statistical optimization and enhanced synthesis of polyhydroxyalkanoates from Ceiba pendantra oil as novel non-edible feedstock revista: Biomass Conversion and Biorefinery issn: 2190-6815 An Apariție: 2020 Autori:9 CoefM: 20 WOS: 000534974600001 link	(20/9)	2,22
104	titlu citat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issn citat: 0021-8995 titlu: Effect of Reconstruction Algorithm on the Identification of 3D Printing Polymers Based on Hyperspectral CT Technology Combined with Artificial Neural Network revista: Materials issn: 1996-1944 An Apariție: 2020 Autori:9 CoefM: 20 WOS: 000531829000167 link	(20/9)	2,22

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105	<p>titlu citat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issn citat: 0021-8995</p> <p>titlu: Preparation and Characterization of PLA Film/3D Printing Composite Scaffold for Tissue Engineering Application</p> <p>revista: Fibers and Polymers</p> <p>issn: 1229-9197 An Apariție: 2020 Autori:9 CoefM: 15</p> <p>WOS: 000528225600004 link</p>	(15/9)	1,66
106	<p>titlu citat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issn citat: 0021-8995</p> <p>titlu: Thermal Analysis of Aliphatic Polyester Blends with Natural Antioxidants</p> <p>revista: Polymers</p> <p>issn: 2073-4360 An Apariție: 2020 Autori:9 CoefM: 20</p> <p>WOS: 000519848300074 link</p>	(20/9)	2,22
107	<p>titlu citat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issn citat: 0021-8995</p> <p>titlu: Functional Piezoresistive Polymer-Composites Based on Polycarbonate and Polylactic Acid for Deformation Sensing Applications</p> <p>revista: Macromolecular Materials and Engineering</p> <p>issn: 1438-7492 An Apariție: 2020 Autori:9 CoefM: 20</p> <p>WOS: 000570209100001 link</p>	(20/9)	2,22
108	<p>titlu citat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issn citat: 0021-8995</p> <p>titlu: Solvent-free preparation of bio-based polyethylene glycol/wood flour composites as novel shape-stabilized phase change materials for solar thermal energy storage</p> <p>revista: Solar Energy Materials and Solar Cells</p> <p>issn: 0927-0248 An Apariție: 2019 Autori:9 CoefM: 30</p> <p>WOS: 000483633400095 link</p>	(30/9)	3,33
109	<p>titlu citat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issn citat: 0021-8995</p> <p>titlu: FDM 3D Printing of Polymers Containing Natural Fillers: A Review of their Mechanical Properties</p> <p>revista: Polymers</p> <p>issn: 2073-4360 An Apariție: 2019 Autori:9 CoefM: 20</p> <p>WOS: 000480539500011 link</p>	(20/9)	2,22
110	<p>titlu citat: Deposition temperature influence on the wear behaviour of carbon-based coatings deposited on hardened steel issn citat: 0169-4332</p> <p>titlu: Diamond Deposition on Iron and Steel Substrates: A Review</p> <p>revista: Micromachines</p>	(20/17)	1,17



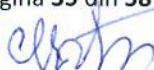
	issn: 2072-666X An Apariție: 2020 Autori:17 CoefM: 20 WOS: 000577799500001 link		
111	titlu citat: Tantalum Oxynitride Thin Films: Assessment of the Photocatalytic Efficiency and Antimicrobial Capacity issn citat: 2079-4991 titlu: Inhibiting photocatalytic electron-hole recombination by coupling MIL-125 (Ti) with chemically reduced, nitrogen-containing graphene oxide revista: Applied Surface Science issn: 0169-4332 An Apariție: 2021 Autori:9 CoefM: 30 WOS: 000608918300006 link	(30/9)	3,33
112	titlu citat: Tantalum Oxynitride Thin Films: Assessment of the Photocatalytic Efficiency and Antimicrobial Capacity issn citat: 2079-4991 titlu: Orthorhombic Ta₃-xN₅-yO_y thin films grown by unbalanced magnetron sputtering: The role of oxygen on structure, composition, and optical properties revista: Surface & Coatings Technology issn: 0257-8972 An Apariție: 2021 Autori:9 CoefM: 20 WOS: 000604750600025 link	(20/9)	2,22
113	titlu citat: Tantalum Oxynitride Thin Films: Assessment of the Photocatalytic Efficiency and Antimicrobial Capacity issn citat: 2079-4991 titlu: Combinatorial Approach for Single-Crystalline TaON Growth: Epitaxial beta-TaON (100)/alpha-Al₂O₃ (012) revista: ACS Applied Electronic Materials issn: 2637-6113 An Apariție: 2020 Autori:9 CoefM: 5 WOS: 000595528400012 link	(5/9)	0,55
114	titlu citat: Tantalum Oxynitride Thin Films: Assessment of the Photocatalytic Efficiency and Antimicrobial Capacity issn citat: 2079-4991 titlu: Preparation of Ta₃N₅ Nanosheet by Nitridation of Monolayer Tantalum Oxide Nanosheet revista: Chemistryselect issn: 2365-6549 An Apariție: 2020 Autori:9 CoefM: 15 WOS: 000590573600043 link	(15/9)	1,66
115	titlu citat: Tantalum Oxynitride Thin Films: Assessment of the Photocatalytic Efficiency and Antimicrobial Capacity issn citat: 2079-4991 titlu: Three-Dimensional Ordered Macroporous TiO₂-TaOxNy Heterostructure for Photoelectrochemical Water Splitting revista: Journal of Physical Chemistry C	(20/9)	2,22

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	issn: 1932-7447 An Apariție: 2020 Autori:9 CoefM: 20 WOS: 000589917300012 link		
116	titlu citat: Tantalum Oxynitride Thin Films: Assessment of the Photocatalytic Efficiency and Antimicrobial Capacity issn citat: 2079-4991 titlu: A green approach: scalable dry media synthesis of a gamma-TaON photocatalyst for solar H(2)production and rhodamine B degradation revista: Sustainable Energy & Fuels issn: 2398-4902 An Apariție: 2020 Autori:9 CoefM: 30 WOS: 000563991800027 link	(30/9)	3,33
117	titlu citat: Tantalum Oxynitride Thin Films: Assessment of the Photocatalytic Efficiency and Antimicrobial Capacity issn citat: 2079-4991 titlu: Investigation of tantalum oxynitride for hard and anti-corrosive coating application in diluted hydrochloric acid solutions revista: Materials Today Communications issn: 2352-4928 An Apariție: 2020 Autori:9 CoefM: 20 WOS: 000568679000005 link	(20/9)	2,22
118	titlu citat: Tantalum Oxynitride Thin Films: Assessment of the Photocatalytic Efficiency and Antimicrobial Capacity issn citat: 2079-4991 titlu: Bixbyite-Ta₂N₂O film prepared by HiPIMS and postdeposition annealing: Structure and properties revista: Journal of Vacuum Science and Technology A issn: 1520-8559 An Apariție: 2020 Autori:9 CoefM: 15 WOS: 000529406300001 link	(15/9)	1,66
119	titlu citat: Tantalum Oxynitride Thin Films: Assessment of the Photocatalytic Efficiency and Antimicrobial Capacity issn citat: 2079-4991 titlu: Revisiting the materials and mechanism of metal oxynitrides for photocatalysis revista: International Journal of Hydrogen Energy issn: 0360-3199 An Apariție: 2020 Autori:9 CoefM: 20 WOS: 000518869800017 link	(20/9)	2,22
120	titlu citat: Tantalum Oxynitride Thin Films: Assessment of the Photocatalytic Efficiency and Antimicrobial Capacity issn citat: 2079-4991 titlu: beta-TaON thin films: production by reactive magnetron sputtering and the question of non-stoichiometry revista: Journal of Physics D: Applied Physics issn: 1361-6463 An Apariție: 2019 Autori:9 CoefM: 20	(20/9)	2,22

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121	titlu citat: Photocatalytic coatings via thermal spraying: a mini-review issn citat: 2372-0468 titlu: On Electrical Discharge Machining of Non-Conductive Ceramics: A Review revista: Technologies issn: 2227-7080 An Apariție: 2019 Autori:4 CoefM: 5 WOS: 000488011200010 link	(5/4)	1,25
122	titlu citat: Ecological briquettes from sunflower seed husk issn citat: 2267-1242 titlu: Pelletization of Sunflower Seed Husks: Evaluating and Optimizing Energy Consumption and Physical Properties by Response Surface Methodology (RSM) revista: Processes issn: 2227-9717 An Apariție: 2019 Autori:3 CoefM: 20 WOS: 000489121800044 link	(20/3)	6,66
123	titlu citat: Calcium carbonate and wood reinforced hybrid PVC composites issn citat: 0021-8995 titlu: Formulation and characterization of new ternary stable composites: Polyvinyl chloride-wood flour-calcium carbonate of promising physicochemical properties revista: Journal of Materials Research and Technology issn: 2238-7854 An Apariție: 2020 Autori:8 CoefM: 30 WOS: 000607353100006 link	(30/8)	3,75
124	titlu citat: Calcium carbonate and wood reinforced hybrid PVC composites issn citat: 0021-8995 titlu: PVC/rice straw/SDBS-modified graphene oxide sustainable Nanocomposites: Melt mixing process and electrical insulation characteristics revista: Composites Part A: Applied Science and Manufacturing issn: 1359-835X An Apariție: 2020 Autori:8 CoefM: 30 WOS: 000531081300012 link	(30/8)	3,75
125	titlu citat: Calcium carbonate and wood reinforced hybrid PVC composites issn citat: 0021-8995 titlu: Mechanical enhancement of ripples and dimples in CaCO₃/low-density unsaturated polyester resin composites revista: Materials Research Express issn: 2053-1591 An Apariție: 2020 Autori:8 CoefM: 15 WOS: 000540274200001 link	(15/8)	1,87
126	titlu citat: Calcium carbonate and wood reinforced hybrid PVC composites issn citat: 0021-8995	(30/8)	3,75



	<p>titlu: Green flotation of polyethylene terephthalate and polyvinyl chloride assisted by surface modification of selective CaCO₃ coating</p> <p>revista: Journal of Cleaner Production</p> <p>issn: 0959-6526 An Apariție: 2020 Autori:8 CoefM: 30</p> <p>WOS: 000491240100068 link</p>		
127	<p>titlu citat: Calcium carbonate and wood reinforced hybrid PVC composites issn citat: 0021-8995</p> <p>titlu: Impurity-free amorphous calcium carbonate, a preferential material for pharmaceutic and medical applications</p> <p>revista: European Journal of Mineralogy</p> <p>issn: 0935-1221 An Apariție: 2019 Autori:8 CoefM: 15</p> <p>WOS: 000468479000004 link</p>	(15/8)	1,87
128	<p>titlu citat: Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using Bacillus species issn citat: 0169-4332</p> <p>titlu: Polysaccharide-based substrate for surface-enhanced Raman spectroscopy</p> <p>revista: Spectrochimica Acta Part A-Molecular and Biomolecular Spectroscopy</p> <p>issn: 1386-1425 An Apariție: 2021 Autori:8 CoefM: 20</p> <p>WOS: 000609024100023 link</p>	(20/8)	2,5
129	<p>titlu citat: Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using Bacillus species issn citat: 0169-4332</p> <p>titlu: Inhibition of microbial growth by silver nanoparticles synthesized from Fraxinus xanthoxyloides leaf extract</p> <p>revista: Journal of Applied Microbiology</p> <p>issn: 1364-5072 An Apariție: 2020 Autori:8 CoefM: 20</p> <p>WOS: 000598632500001 link</p>	(20/8)	2,5
130	<p>titlu citat: Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using Bacillus species issn citat: 0169-4332</p> <p>titlu: Synthesis of silver nanoparticles with remediative potential using discarded yerba mate: An eco-friendly approach</p> <p>revista: Journal of Environmental Chemical Engineering</p> <p>issn: 2213-3437 An Apariție: 2020 Autori:8 CoefM: 20</p> <p>WOS: 000600409000005 link</p>	(20/8)	2,5
131	<p>titlu citat: Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using Bacillus species issn citat: 0169-4332</p> <p>titlu: A flower shape-green synthesis and characterization of silver nanoparticles (AgNPs) with different starch as a reducing agent</p>	(30/8)	3,75



	<p>revista: Journal of Materials Research and Technology-JMR&T issn: 2238-7854 An Apariție: 2020 Autori:8 CoefM: 30 WOS: 000579367500138 link</p>		
132	<p>titlu citat: Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using Bacillus species issn citat: 0169-4332 titlu: Optical and electrochemical studies of silver nanoparticles biosynthesized by Haplophyllum tuberculatum extract and their antibacterial activity in wastewater treatment revista: Materials Research Express issn: 2053-1591 An Apariție: 2020 Autori:8 CoefM: 15 WOS: 000480299800016 link</p>	(15/8)	1,87
133	<p>titlu citat: Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using Bacillus species issn citat: 0169-4332 titlu: Bioprospecting a native silver-resistant Bacillus safensis strain for green synthesis and subsequent antibacterial and anticancer activities of silver nanoparticles revista: Journal of Advanced Research issn: 2090-1232 An Apariție: 2020 Autori:8 CoefM: 30 WOS: 000550190000015 link</p>	(30/8)	3,75
134	<p>titlu citat: Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using Bacillus species issn citat: 0169-4332 titlu: Effect of TS-1 Crystal Planes on the Catalytic Activity of Au/TS-1 for Direct Propylene Epoxidation with H₂ and O₂ revista: ACS Sustainable Chemistry & Engineering issn: 2168-0485 An Apariție: 2020 Autori:8 CoefM: 30 WOS: 000541876900004 link</p>	(30/8)	3,75
135	<p>titlu citat: Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using Bacillus species issn citat: 0169-4332 titlu: Synthesis, Characterization and Antimicrobial Activity of Bacillus subtilis-Derived Silver Nanoparticles Against Multidrug-Resistant Bacteria revista: Jundishapur Journal of Microbiology issn: 2008-4161 An Apariție: 2020 Autori:8 CoefM: 10 WOS: 000548619200004 link</p>	(10/8)	1,25
136	<p>titlu citat: Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using Bacillus species issn citat: 0169-4332</p>	(30/8)	3,75

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	<p>titlu: Facile fabrication of silver on magnetic nanocomposite (Fe₃O₄@Chitosan –AgNP nanocomposite) for catalytic reduction of anthropogenic pollutant and agricultural pathogens</p> <p>revista: Journal of Biological Macromolecules</p> <p>issn: 0141-8130 An Apariție: 2020 Autori:8 CoefM: 30</p> <p>WOS: 000525795400099 link</p>		
137	<p>titlu citat: Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using Bacillus species issn citat: 0169-4332</p> <p>titlu: Biogenic Metal Nanoparticles: A New Approach to Detect Life on Mars</p> <p>revista: Life-Basel</p> <p>issn: 2075-1729 An Apariție: 2020 Autori:8 CoefM: 20</p> <p>WOS: 000525040000008 link</p>	(20/8)	2,5
138	<p>titlu citat: Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using Bacillus species issn citat: 0169-4332</p> <p>titlu: Antibacterial and antioxidant activity of exopolysaccharide mediated silver nanoparticle synthesized by Lactobacillus brevis isolated from Chinese koumiss</p> <p>revista: Colloids and Surfaces B: Biointerfaces</p> <p>issn: 0927-7765 An Apariție: 2020 Autori:8 CoefM: 20</p> <p>WOS: 000518493000047 link</p>	(20/8)	2,5
139	<p>titlu citat: Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using Bacillus species issn citat: 0169-4332</p> <p>titlu: Metal-Based Nanostructures/PLGA Nanocomposites: Antimicrobial Activity, Cytotoxicity, and Their Biomedical Applications</p> <p>revista: ACS Applied Materials & Interfaces</p> <p>issn: 1944-8252 An Apariție: 2020 Autori:8 CoefM: 30</p> <p>WOS: 000509428300001 link</p>	(30/8)	3,75
140	<p>titlu citat: Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using Bacillus species issn citat: 0169-4332</p> <p>titlu: In-vitro antioxidant and antimicrobial activities of metal nanoparticles biosynthesized using optimized Pimpinella anisum extract</p> <p>revista: Colloids and Surfaces A: Physicochemical and Engineering</p> <p>issn: 0927-7757 An Apariție: 2020 Autori:8 CoefM: 20</p> <p>WOS: 000502046200087 link</p>	(20/8)	2,5

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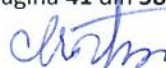
141	<p>titlu citat: Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using Bacillus species issn citat: 0169-4332</p> <p>titlu: Green synthesis of silver nanoparticles from leaf extract of Tetrapleura tetraptera and its antimicrobial activity</p> <p>revista: IOP Conference Series-Materials Science and Engineering</p> <p>issn: 1757-8981 An Apariție: 2020 Autori:8 CoefM: 5</p> <p>WOS: 000611390000032 link</p>	(5/8)	0,62
142	<p>titlu citat: Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using Bacillus species issn citat: 0169-4332</p> <p>titlu: Microwave-assisted green synthesis of silver nanoparticles using dried extracts of Chlorella vulgaris and antibacterial activity studies</p> <p>revista: Green Processing and Synthesis</p> <p>issn: 2191-9550 An Apariție: 2020 Autori:8 CoefM: 15</p> <p>WOS: 000540489900001 link</p>	(15/8)	1,87
143	<p>titlu citat: Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using Bacillus species issn citat: 0169-4332</p> <p>titlu: Bacterial synthesis of nanoparticles: A green approach</p> <p>revista: Biosystems Diversity</p> <p>issn: 2310-0842 An Apariție: 2020 Autori:8 CoefM: 5</p> <p>WOS: 000528277400002 link</p>	(5/8)	0,62
144	<p>titlu citat: Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using Bacillus species issn citat: 0169-4332</p> <p>titlu: Roles of silver nanoparticles adsorbed ions and nanoparticles size in antimicrobial activity of biosynthesized silver nanoparticles</p> <p>revista: Materials Research Express</p> <p>issn: 2053-1591 An Apariție: 2019 Autori:8 CoefM: 15</p> <p>WOS: 000516828900006 link</p>	(15/8)	1,87
145	<p>titlu citat: Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using Bacillus species issn citat: 0169-4332</p> <p>titlu: New avenues of controlling microbial infections through anti-microbial and anti-biofilm potentials of green mono-and multi-metallic nanoparticles: A review</p> <p>revista: Journal of Microbiological Methods</p> <p>issn: 0167-7012 An Apariție: 2019 Autori:8 CoefM: 15</p> <p>WOS: 000501404200014 link</p>	(15/8)	1,87

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146	<p>titlu citat: Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using Bacillus species issn citat: 0169-4332</p> <p>titlu: Biogenic synthesis and antibacterial activity of controlled silver nanoparticles using an extract of Gongronema Latifolium</p> <p>revista: Materials Chemistry and Physics</p> <p>issn: 0254-0584 An Apariție: 2019 Autori:8 CoefM: 20</p> <p>WOS: 000489066200037 link</p>	(20/8)	2,5
147	<p>titlu citat: Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using Bacillus species issn citat: 0169-4332</p> <p>titlu: Optical and electrochemical studies of silver nanoparticles biosynthesized by Haplophyllum tuberculatum extract and their antibacterial activity in wastewater treatment</p> <p>revista: Materials Research Express</p> <p>issn: 2053-1591 An Apariție: 2019 Autori:8 CoefM: 15</p> <p>WOS: 000480299800016 link</p>	(15/8)	1,87
148	<p>titlu citat: Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using Bacillus species issn citat: 0169-4332</p> <p>titlu: Study of the green synthesis of silver nanoparticles using a natural extract of dark or white Salvia hispanica L. seeds and their antibacterial application</p> <p>revista: Applied Surface Science</p> <p>issn: 0169-4332 An Apariție: 2019 Autori:8 CoefM: 30</p> <p>WOS: 000474530600102 link</p>	(30/8)	3,75
149	<p>titlu citat: Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using Bacillus species issn citat: 0169-4332</p> <p>titlu: Characterization, antimicrobial, and antioxidant activities of silver nanoparticles synthesized by uricase from Alcaligenes faecalis GH3</p> <p>revista: Biocatalysis and Agricultural Biotechnology</p> <p>issn: 1878-8181 An Apariție: 2019 Autori:8 CoefM: 5</p> <p>WOS: 000493911600080 link</p>	(5/8)	0,62
150	<p>titlu citat: Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using Bacillus species issn citat: 0169-4332</p> <p>titlu: Interaction of Ionic Liquid with Silver Nanoparticles: Potential Application in Induced Structural Changes of Globular Proteins</p> <p>revista: ACS Sustainable Chemistry & Engineering</p> <p>issn: 2168-0485 An Apariție: 2019 Autori:8 CoefM: 30</p> <p>WOS: 000474474800008 link</p>	(30/8)	3,75

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151	<p>titlu citat: Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using Bacillus species issn citat: 0169-4332</p> <p>titlu: RE-irradiation of silver nanoparticles obtained by laser ablation in water and assessment of their antibacterial effect</p> <p>revista: Applied Surface Science</p> <p>issn: 0169-4332 An Apariție: 2019 Autori:8 CoefM: 30</p> <p>WOS: 000456951700071 link</p>	(30/8)	3,75
152	<p>titlu citat: Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using Bacillus species issn citat: 0169-4332</p> <p>titlu: Tips and Tricks for the Surface Engineering of Well-Ordered Morphologically Driven Silver-Based Nanomaterials</p> <p>revista: Chemistryopen</p> <p>issn: 2191-1363 An Apariție: 2019 Autori:8 CoefM: 20</p> <p>WOS: 000472717600001 link</p>	(20/8)	2,5
153	<p>titlu citat: Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using Bacillus species issn citat: 0169-4332</p> <p>titlu: Biogenic synthesis, characterization and investigation of photocatalytic and antimicrobial activity of manganese nanoparticles synthesized from Cinnamomum verum bark extract</p> <p>revista: Journal of Molecular Structure</p> <p>issn: 0022-2860 An Apariție: 2019 Autori:8 CoefM: 20</p> <p>WOS: 000456491500057 link</p>	(20/8)	2,5
154	<p>titlu citat: Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using Bacillus species issn citat: 0169-4332</p> <p>titlu: The production and application of hydrogels for wound management: A review</p> <p>revista: European Polymer Journal</p> <p>issn: 0014-3057 An Apariție: 2019 Autori:8 CoefM: 20</p> <p>WOS: 000458597600016 link</p>	(20/8)	2,5
155	<p>titlu citat: Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using Bacillus species issn citat: 0169-4332</p> <p>titlu: Biologically synthesized nanomaterials and their antimicrobial potentials</p> <p>revista: Comprehensive Analytical Chemistry</p> <p>issn: 0166-526X An Apariție: 2019 Autori:8 CoefM: 5</p> <p>WOS: 000558137700011 link</p>	(5/8)	0,62



156	<p>titlu citat: Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using Bacillus species issn citat: 0169-4332</p> <p>titlu: Anticancer and antibacterial potential of MDR Staphylococcus aureus mediated synthesized silver nanoparticles</p> <p>revista: Bioscience Biotechnology Research Communications</p> <p>issn: 0974-6455 An Apariție: 2019 Autori:8 CoefM: 5</p> <p>WOS: 000490869200004 link</p>	(5/8)	0,62
157	<p>titlu citat: Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using Bacillus species issn citat: 0169-4332</p> <p>titlu: Application of statistical method in the study of the influence of hydrogen peroxide and sodium borohydride on silver nanoparticle synthesis (AGNPS)</p> <p>revista: Materia-Rio De Janeiro</p> <p>issn: 1517-7076 An Apariție: 2019 Autori:8 CoefM: 5</p> <p>WOS: 000486574600009 link</p>	(5/8)	0,62
158	<p>titlu citat: Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using Bacillus species issn citat: 0169-4332</p> <p>titlu: Advances in green synthesis of nanoparticles</p> <p>revista: Artificial Cells, Nanomedicine and Biotechnology</p> <p>issn: 2169-141X An Apariție: 2019 Autori:8 CoefM: 20</p> <p>WOS: 000461434500001 link</p>	(20/8)	2,5
159	<p>titlu citat: Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using Bacillus species issn citat: 0169-4332</p> <p>titlu: Microorganism Assisted Synthesized Nanoparticles for Catalytic Applications</p> <p>revista: Energies</p> <p>issn: 1996-1073 An Apariție: 2019 Autori:8 CoefM: 20</p> <p>WOS:000460665000190 link</p>	(20/8)	2,5
160	<p>titlu citat: Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using Bacillus species issn citat: 0169-4332</p> <p>titlu: In situ reduction of silver nanoparticles by gelatin to obtain porous silver nanoparticle/chitosan composites with enhanced antimicrobial and wound-healing activity</p> <p>revista: International Journal of Biological Macromolecules</p> <p>issn: 0141-8130 An Apariție: 2019 Autori:8 CoefM: 20</p> <p>WOS:000452346100071 link</p>	(20/8)	2,5

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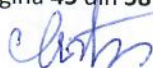
161	<p>titlu citat: Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using Bacillus species issn citat: 0169-4332</p> <p>titlu: Cellulose nanowhiskers decorated with silver nanoparticles as an additive to antibacterial polymers membranes fabricated by electrospinning</p> <p>revista: Journal of Colloid and Interface Science</p> <p>issn: 0021-9797 An Apariție: 2018 Autori:8 CoefM: 30</p> <p>WOS: 000444067300074 link</p>	(30/8)	3,75
162	<p>titlu citat: Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using Bacillus species issn citat: 0169-4332</p> <p>titlu: Biosynthesis of Silver Nanoparticles Using Safflower Flower: Structural Characterization, and Its Antibacterial Activity on Applied Wool Fabric</p> <p>revista: Journal of Inorganic and Organometallic Polymers and Materials</p> <p>issn: 1574-1443 An Apariție: 2018 Autori:8 CoefM: 15</p> <p>WOS: 000449330700035 link</p>	(15/8)	1,87
163	<p>titlu citat: Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using Bacillus species issn citat: 0169-4332</p> <p>titlu: Silver nanoparticles as antimicrobial therapeutics: current perspectives and future challenges</p> <p>revista: 3 Biotech</p> <p>issn: 2190-572X An Apariție: 2018 Autori:8 CoefM: 15</p> <p>WOS: 000444687900006 link</p>	(15/8)	1,87
164	<p>titlu citat: Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using Bacillus species issn citat: 0169-4332</p> <p>titlu: Biomedical Applications of Silver Nanoparticles: An Up-to-Date Overview</p> <p>revista: Nanomaterials</p> <p>issn: 2079-4991 An Apariție: 2018 Autori:8 CoefM: 20</p> <p>WOS: 000448659200049 link</p>	(20/8)	2,5
165	<p>titlu citat: Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using Bacillus species issn citat: 0169-4332</p> <p>titlu: Catalytic and anti-bacterial properties of biosynthesized silver nanoparticles using native inulin</p> <p>revista: RSC Advances</p> <p>issn: 2046-2069 An Apariție: 2018 Autori:8 CoefM: 20</p> <p>WOS: 000442616800056 link</p>	(20/8)	2,5

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166	<p>titlu citat: Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using Bacillus species issn citat: 0169-4332</p> <p>titlu: Silver bullets: A new lustre on an old antimicrobial agent</p> <p>revista: Biotechnology Advances</p> <p>issn: 0734-9750 An Apariție: 2018 Autori:8 CoefM: 30</p> <p>WOS: 000441681300001 link</p>	(30/8)	3,75
167	<p>titlu citat: Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using Bacillus species issn citat: 0169-4332</p> <p>titlu: Biogenic Synthesis of Silver Nanoparticles Using Phyllanthus emblica Fruit Extract and Its Inhibitory Action Against the Pathogen Acidovorax oryzae Strain RS-2 of Rice Bacterial Brown Stripe</p> <p>revista: Frontiers in Microbiology</p> <p>issn: 1664-302X An Apariție: 2019 Autori:8 CoefM: 20</p> <p>WOS: 000465855900003 link</p>	(20/8)	2,5
168	<p>titlu citat: Study of the PVA hydrogel behaviour in 1-butyl-3-methylimidazolium tetrafluoroborate ionic liquid issn citat: 1788-618X</p> <p>titlu: Solvation and diffusion of poly (vinyl alcohol) chains in a hydrated inorganic ionic liquid</p> <p>revista: Physical Chemistry Chemical Physics</p> <p>issn: 1463-9076 An Apariție: 2020 Autori:4 CoefM: 20</p> <p>WOS: 000560847500024 link</p>	(20/4)	5
169	<p>titlu citat: Study of the PVA hydrogel behaviour in 1-butyl-3-methylimidazolium tetrafluoroborate ionic liquid issn citat: 1788-618X</p> <p>titlu: Polymeric ionic liquid modified silica for CO₂ adsorption and diffusivity</p> <p>revista: Polymer Composites</p> <p>issn: 0272-8397 An Apariție: 2017 Autori:4 CoefM: 20</p> <p>WOS: 000399358900015 link</p>	(20/4)	5
170	<p>titlu citat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications issn citat: 2073-4360</p> <p>titlu: K-carrageenan/Na-alginate wound dressing with sustainable drug delivery properties</p> <p>revista: Polymers for Advanced Technologies</p> <p>issn: 1042-7147 An Apariție: 2021 Autori:6 CoefM: 5</p> <p>WOS: 000608712500001 link</p>	(5/6)	0,83
171	<p>titlu citat: Surface properties of thermally treated composite wood panels issn citat: 0169-4332</p> <p>titlu: Highly Hydrophobic and Self-Cleaning Heat-Treated Larix spp. Prepared by TiO₂ and ZnO Particles onto Wood Surface</p>	(20/9)	2,22

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	revista: Coatings issn: 2079-6412 An Apariție: 2020 Autori:9 CoefM: 20 WOS: 000584163000001 link		
172	titlu citat: Surface properties of thermally treated composite wood panels issn citat: 0169-4332 titlu: X-ray Photoelectron Spectroscopy Analysis of Wood Degradation in Old Architecture revista: BioResources issn: 1930-2126 An Apariție: 2020 Autori:9 CoefM: 15 WOS: 000555791100020 link	(15/9)	1,66
173	titlu citat: Surface properties of thermally treated composite wood panels issn citat: 0169-4332 titlu: Preparation, Test, and Analysis of a Novel Aluminosilicate-Based Antimildew Agent Applied on the Microporous Structure of Wood revista: ACS Omega issn: 2470-1343 An Apariție: 2020 Autori:9 CoefM: 20 WOS: 000527748400008 link	(20/9)	2,22
174	titlu citat: Surface properties of thermally treated composite wood panels issn citat: 0169-4332 titlu: Sustainable panels based on starch bioadhesives: An insight into structural and tribological performance revista: International Journal of Biological Macromolecules issn: 0141-8130 An Apariție: 2020 Autori:9 CoefM: 30 WOS: 000522094600091 link	(30/9)	3,33
175	titlu citat: Surface properties of thermally treated composite wood panels issn citat: 0169-4332 titlu: Properties of common tropical hardwoods for fretboard of string instruments revista: Journal of Wood Science issn: 1435-0211 An Apariție: 2020 Autori:9 CoefM: 15 WOS: 000518504300001 link	(15/9)	1,66
176	titlu citat: Surface properties of thermally treated composite wood panels issn citat: 0169-4332 titlu: Mold resistance of bamboo after laccase-catalyzed attachment of thymol and proposed mechanism of attachment revista: RSC Advances issn: 2046-2069 An Apariție: 2020 Autori:9 CoefM: 20 WOS: 000519586300041 link	(20/9)	2,22
177	titlu citat: Surface properties of thermally treated composite wood panels issn citat: 0169-4332	(20/9)	2,22



	<p>titlu: Durability of the Exterior Transparent Coatings on Nano-Photostabilized English Oak Wood and Possibility of Its Prediction before Artificial Accelerated Weathering</p> <p>revista: Nanomaterials</p> <p>issn: 2079-4991 An Apariție: 2019 Autori:9 CoefM: 20</p> <p>WOS: 000502271700063 link</p>		
178	<p>titlu citat: Surface properties of thermally treated composite wood panels issn citat: 0169-4332</p> <p>titlu: Preparation of a Fast Water-Based UV Cured Polyurethane-Acrylate Wood Coating and the Effect of Coating Amount on the Surface Properties of Oak (Quercus alba L.)</p> <p>revista: Polymers</p> <p>issn: 2073-4360 An Apariție: 2019 Autori:9 CoefM: 20</p> <p>WOS: 000489104300040 link</p>	(20/9)	2,22
179	<p>titlu citat: Surface properties of thermally treated composite wood panels issn citat: 0169-4332</p> <p>titlu: Gaseous Decomposition Products from Wood Degradation via Thermogravimetric and Fourier Transform Infrared Analysis during Thermal Modification of Beech and Pine Woods</p> <p>revista: BioResources</p> <p>issn: 1930-2126 An Apariție: 2019 Autori:9 CoefM: 15</p> <p>WOS: 000478803800018 link</p>	(15/9)	1,66
180	<p>titlu citat: Surface properties of thermally treated composite wood panels issn citat: 0169-4332</p> <p>titlu: Modeling and simulation of heat-mass transfer and its application in wood thermal modification</p> <p>revista: Results in Physics</p> <p>issn: 2211-3797 An Apariție: 2019 Autori:9 CoefM: 20</p> <p>WOS: 000476618700102 link</p>	(20/9)	2,22
181	<p>titlu citat: Surface properties of thermally treated composite wood panels issn citat: 0169-4332</p> <p>titlu: Surface Properties of Pine Scrimber Panels with Varying Density</p> <p>revista: Coatings</p> <p>issn: 2079-6412 An Apariție: 2019 Autori:9 CoefM: 20</p> <p>WOS: 000473753000052 link</p>	(20/9)	2,22
182	<p>titlu citat: Surface properties of thermally treated composite wood panels issn citat: 0169-4332</p> <p>titlu: Effect of Laser Irradiation on the Surface Wettability of Poplar Wood</p> <p>revista: Science of Advanced Materials</p> <p>issn: 1947-2935 An Apariție: 2019 Autori:9 CoefM: 15</p> <p>WOS: 000464520000005 link</p>	(15/9)	1,66

183	<p>titlu citat: Surface properties of thermally treated composite wood panels issn citat: 0169-4332</p> <p>titlu: Critical Review of the Parameters Affecting the Effectiveness of Moisture Absorption Treatments Used for Natural Composites</p> <p>revista: Journal of Composites Science</p> <p>issn: 1947-2935 An Apariție: 2019 Autori:9 CoefM: 5</p> <p>WOS: 000590984900026 link</p>	(5/9)	0,55
184	<p>titlu citat: Surface properties of thermally treated composite wood panels issn citat: 0169-4332</p> <p>titlu: Effects of zinc chloride-silicone oil treatment on wood dimensional stability, chemical components, thermal decomposition and its mechanism</p> <p>revista: Scientific Reports</p> <p>issn: 2045-2322 An Apariție: 2019 Autori:9 CoefM: 20</p> <p>WOS: 000458017800069 link</p>	(20/9)	2,22
185	<p>titlu citat: Surface properties of thermally treated composite wood panels issn citat: 0169-4332</p> <p>titlu: Mechanical Properties of Polyethylene Composites Filled with Willow (Salix babylonica L.) Bark-Boring Insect Dust</p> <p>revista: Journal of Biobased Materials and Bioenergy</p> <p>issn: 1556-6560 An Apariție: 2018 Autori:9 CoefM: 15</p> <p>WOS: 000445248000006 link</p>	(15/9)	1,66
186	<p>titlu citat: Surface properties of thermally treated composite wood panels issn citat: 0169-4332</p> <p>titlu: Investigation of biomass surface modification using non-thermal plasma treatment</p> <p>revista: Plasma Science & Technology</p> <p>issn: 1009-0630 An Apariție: 2018 Autori:9 CoefM: 15</p> <p>WOS: 000443827600002 link</p>	(15/9)	1,66
187	<p>titlu citat: Surface properties of thermally treated composite wood panels issn citat: 0169-4332</p> <p>titlu: New evaluation of interfacial and mechanical properties of thermally-treated Pine/CFRP composites using electrical resistance measurement</p> <p>revista: Composites Part B-Engineering</p> <p>issn: 1359-8368 An Apariție: 2018 Autori:9 CoefM: 30</p> <p>WOS: 000444927800013 link</p>	(30/9)	3,33
188	<p>titlu citat: Surface properties of thermally treated composite wood panels issn citat: 0169-4332</p> <p>titlu: Feasibility of polyethylene composites reinforced by distillers dried fibers with solubles (DDFS) after different generations of ethanol fermentation</p>	(20/9)	2,22

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	revista: RSC Advances issn: 2046-2069 An Apariție: 2018 Autori:9 CoefM: 20 WOS: 000439323300039 link		
189	titlu citat: Surface properties of thermally treated composite wood panels issn citat: 0169-4332 titlu: Effect of Black Paste on the Property of Fluorine Resin/Aluminum Infrared Coating revista: Coatings issn: 0169-4332 An Apariție: 2019 Autori:3 CoefM: 20 WOS:000498263900005 link	(20/3)	6,66
190	titlu citat: Surface properties of thermally treated composite wood panels issn citat: 0169-4332 titlu: Simulation of Atomic Mechanisms of Nucleation and Development of Plastic Deformation under Conditions of Shear Loading revista: Obrabotka Metallov-Metal Working and Material Science issn: 1994-6309 An Apariție: 2018 Autori:3 CoefM: 5 WOS: 000445014400008 link	(5/3)	1,66
191	titlu citat: Wood-plastic composites based on HDPE and ionic liquid additives issn citat: 0022-2461 titlu: Effect of imidazolium-based green solvents on the moisture absorption and thickness swelling behavior of wood flour/polyethylene composites revista: Journal of Thermoplastic Composite Materials issn: 0892-7057 An Apariție: 2020 Autori:6 CoefM: 15 WOS: 000582009600001 link	(15/6)	2,5
192	titlu citat: Wood-plastic composites based on HDPE and ionic liquid additives issn citat: 0022-2461 titlu: Bio-based Methods with Potentials for Application in Wooden Furniture Industry revista: Drvna Industrija issn: 0012-6772 An Apariție: 2019 Autori:6 CoefM: 10 WOS: 000551346500009 link	(10/6)	1,66
193	titlu citat: Wood-plastic composites based on HDPE and ionic liquid additives issn citat: 0022-2461 titlu: Synergistic effect of a hypophosphorous acid-based ionic liquid and expandable graphite on the flame-retardant properties of wood-plastic composites revista: Journal of Thermal Analysis and Calorimetry issn: 1388-6150 An Apariție: 2019 Autori:6 CoefM: 20 WOS: 000534211900006 link	(20/6)	3,33



194	<p>titlu citat: Wood-plastic composites based on HDPE and ionic liquid additives issn citat: 0022-2461</p> <p>titlu: Influence of eco-friendly pretreatment of lignocellulosic biomass using ionic liquids on the interface adhesion and characteristics of polymer composite boards</p> <p>revista: Journal of Composite Materials</p> <p>issn: 0021-9983 An Apariție: 2020 Autori:6 CoefM: 15</p> <p>WOS: 000527783100001 link</p>	(15/6)	2,5
195	<p>titlu citat: Wood-plastic composites based on HDPE and ionic liquid additives issn citat: 0022-2461</p> <p>titlu: Ionic Liquid-Polymer Composites: A New Platform for Multifunctional Applications</p> <p>revista: Advanced Functional Materials</p> <p>issn: 1616-301X An Apariție: 2020 Autori:6 CoefM: 30</p> <p>WOS: 000523695200001 link</p>	(30/6)	5
196	<p>titlu citat: Wood-plastic composites based on HDPE and ionic liquid additives issn citat: 0022-2461</p> <p>titlu: Reusing, recycling and up-cycling of biomass: A review of practical and kinetic modelling approaches</p> <p>revista: Fuel Processing Technology</p> <p>issn: 0378-3820 An Apariție: 2019 Autori:6 CoefM: 20</p> <p>WOS: 000470048700017 link</p>	(20/6)	3,33
197	<p>titlu citat: Wood-plastic composites based on HDPE and ionic liquid additives issn citat: 0022-2461</p> <p>titlu: The effect of chemical modification of wood in ionic liquids on the supermolecular structure and mechanical properties of wood/polypropylene composites</p> <p>revista: Cellulose</p> <p>issn: 0969-0239 An Apariție: 2018 Autori:6 CoefM: 20</p> <p>WOS: 000438276000026 link</p>	(20/6)	3,33
198	<p>titlu citat: Wood-plastic composites based on HDPE and ionic liquid additives issn citat: 0022-2461</p> <p>titlu: Extrusion and Ionic Liquids: A Promising Combination To Develop High Performance Polymer Materials</p> <p>revista: ACS Symposium Series</p> <p>issn: 0097-6156 An Apariție: 2018 Autori:6 CoefM: 5</p> <p>WOS: 000445052100010 link</p>	(5/6)	0,83
199	<p>titlu citat: Characterization of Physically Crosslinked Ionic Liquid-lignocellulose Hydrogels issn citat: 1930-2126</p> <p>titlu: Understanding the in situ state of lignocellulosic biomass during ionic liquids-based engineering of renewable materials and chemicals</p> <p>revista: Green Chemistry</p>	(30/4)	7,5

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	issn: 1463-9262 An Apariție: 2020 Autori:4 CoefM: 30 WOS: 000579757000004 link		
200	titlu citat: Carbon Nanoparticle-Supported Pd Obtained by Solar Physical Vapor Deposition issn citat: 1930-2126 titlu: Grid-based electron-solid interaction simulation for characterizing high-dimensional microstructures revista: Ultramicroscopy issn: 0304-3991 An Apariție: 2020 Autori:5 CoefM: 20 WOS: 000588011200010 link	(20/5)	4
201	titlu citat: Carbon Nanoparticle-Supported Pd Obtained by Solar Physical Vapor Deposition issn citat: 1930-2126 titlu: Studies on the deactivation and activation of palladium impregnated carbon catalyst for environmental applications revista: Materials Today-Proceedings issn: 2214-7853 An Apariție: 2020 Autori:5 CoefM: 5 WOS: 000583942500005 link	(5/5)	1
202	titlu citat: Optical and microstructure characterization of ceramic – hydroxyapatite coating fabricated by laser cladding issn citat: 1454-4164 titlu: Silicon nitride laser cladding: A feasible technique to improve the biological response of zirconia revista: Materials & Design issn: 0264-1275 An Apariție: 2020 Autori:5 CoefM: 30 WOS: 000536937200065 link	(30/5)	6
203	titlu citat: Optical and microstructure characterization of ceramic – hydroxyapatite coating fabricated by laser cladding issn citat: 1454-4164 titlu: Some technological aspects regarding laser ablation of oxides resulting from exposing alloyed steels to high temperatures revista: Optoelectronics and Advanced Materials-Rapid Communications issn: 1842-6573 An Apariție: 2019 Autori:5 CoefM: 5 WOS: 000510423200009 link	(5/5)	1
204	titlu citat: Optical and microstructure characterization of ceramic – hydroxyapatite coating fabricated by laser cladding issn citat: 1454-4164 titlu: Some technological particularities on the execution of dental prostheses realized by selective laser deposition revista: Journal of Optoelectronics and Advanced Materials issn: 1454-4164 An Apariție: 2018 Autori:5 CoefM: 5 WOS: 000435669100018 link	(5/5)	1
205	titlu citat: The importance of the wood biomass in environment protection issn citat: 1454-4164	(20/3)	6,66

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	<p>titlu: Influence of Coniferous Wood Conditioning by Pulsed Electric Field on Its Combustion Heat Characteristics</p> <p>revista: Applied Sciences-Basel</p> <p>issn: 2076-3417 An Apariție: 2021 Autori:3 CoefM: 20</p> <p>WOS: 000615001600001 link</p>		
206	<p>titlu citat: Obtaining and Characterization of Polyolefin-Filled Calcium Carbonate Composites Modified with Stearic Acid issn citat: 1454-4164</p> <p>titlu: Influence of the Surface Modification of Calcium Carbonate on Polyamide 12 Composites</p> <p>revista: Polymers</p> <p>issn: 2073-4360 An Apariție: 2020 Autori:4 CoefM: 20</p> <p>WOS: 000553597300001 link</p>	(20/4)	5
207	<p>titlu citat: Obtaining and Characterization of Polyolefin-Filled Calcium Carbonate Composites Modified with Stearic Acid issn citat: 1454-4164</p> <p>titlu: The thermal stability of highly filled high-density polyethylene quaternary composites: Interactive effects and improved measures</p> <p>revista: Polymer Testing</p> <p>issn: 0142-9418 An Apariție: 2020 Autori:4 CoefM: 20</p> <p>WOS: 000525305300020 link</p>	(20/4)	5
208	<p>titlu citat: Obtaining and Characterization of Polyolefin-Filled Calcium Carbonate Composites Modified with Stearic Acid issn citat: 1454-4164</p> <p>titlu: Studies on the properties of modified heavy calcium carbonate and SBS composite modified asphalt</p> <p>revista: Construction and Building Materials</p> <p>issn: 0950-0618 An Apariție: 2019 Autori:4 CoefM: 20</p> <p>WOS: 000472693400037 link</p>	(20/4)	5
209	<p>titlu citat: Obtaining and Characterization of Polyolefin-Filled Calcium Carbonate Composites Modified with Stearic Acid issn citat: 1454-4164</p> <p>titlu: Effect of an organotitanate coupling agent on properties of calcium carbonate filled low-density polyethylene and natural rubber composites</p> <p>revista: Journal of The National Science Foundation of Sri Lanka</p> <p>issn: 1391-4588 An Apariție: 2019 Autori:4 CoefM: 20</p> <p>WOS: 000463001000003 link</p>	(20/4)	5
210	<p>titlu citat: Pulsed Laser Cladding of Ni Based Powder issn citat: 1757-8981</p>	(20/5)	4

	<p>titlu: Laser cladding of nanoparticle TiC ceramic powder: Effects of process parameters on the quality characteristics of the coatings and its prediction model</p> <p>revista: Optics and Laser Technology</p> <p>issn: 0030-3992 An Apariție: 2019 Autori:5 CoefM: 20</p> <p>WOS: 000467508400045 link</p>		
211	<p>titlu citat: Glass fibres reinforced polyester composites degradation monitoring by surface analysis issn citat: 0169-4332</p> <p>titlu: Fabrication of surface modified graphene oxide/unsaturated polyester nanocomposites via in-situ polymerization: Comprehensive property enhancement</p> <p>revista: Applied Surface Science</p> <p>issn: 0169-4332 An Apariție: 2020 Autori:5 CoefM: 30</p> <p>WOS: 000498639000028 link</p>	(30/5)	6
212	<p>titlu citat: Glass fibres reinforced polyester composites degradation monitoring by surface analysis issn citat: 0169-4332</p> <p>titlu: Bioactive and multifunctional textile using plant-based madder dye: Characterization of UV protection ability and antibacterial activity</p> <p>revista: Fibers and Polymers</p> <p>issn: 1229-9197 An Apariție: 2017 Autori:5 CoefM: 20</p> <p>WOS: 000416432800015 link</p>	(20/5)	4
213	<p>titlu citat: Glass fibres reinforced polyester composites degradation monitoring by surface analysis issn citat: 0169-4332</p> <p>titlu: Interlaminar microstructure and mechanical response of 3D robust glass fabric-polyester composites modified with carbon nanofibers</p> <p>revista: Carbon</p> <p>issn: 0008-6223 An Apariție: 2017 Autori:5 CoefM: 30</p> <p>WOS: 000390635000003 link</p>	(30/5)	6
214	<p>titlu citat: Glass fibres reinforced polyester composites degradation monitoring by surface analysis issn citat: 0169-4332</p> <p>titlu: Fabrication of a graphene coated nonwoven textile for industrial applications</p> <p>revista: RSC Advances</p> <p>issn: 2046-2069 An Apariție: 2016 Autori:5 CoefM: 20</p> <p>WOS: 000381490100040 link</p>	(20/5)	4
215	<p>titlu citat: New method of wood impregnation with inorganic compounds using ethyl methylimidazolium chloride as carrier issn citat: 0277-3813</p> <p>titlu: Comparison of silicate impregnation methods to reinforce Chinese fir wood</p> <p>revista: Holzforschung</p>	(15/3)	5

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	issn: 0018-3830 An Apariție: 2021 Autori:3 CoefM: 15 WOS: 000609961900003 link		
216	titlu citat: New method of wood impregnation with inorganic compounds using ethyl methylimidazolium chloride as carrier issn citat: 0277-3813 titlu: Treatments of residual pine strands: characterization and wood-cement-compatibility revista: Journal of Wood Chemistry and Technology issn: 0277-3813 An Apariție: 2020 Autori:3 CoefM: 15 WOS: 000579059500001 link	(15/3)	5
217	titlu citat: New method of wood impregnation with inorganic compounds using ethyl methylimidazolium chloride as carrier issn citat: 0277-3813 titlu: Hazards Resulting from the Burning Wood Impregnated with Selected Chemical Compounds revista: Applied Sciences-Basel issn: 2076-3417 An Apariție: 2020 Autori:3 CoefM: 20 WOS: 000569586400001 link	(20/3)	6,66
218	titlu citat: New method of wood impregnation with inorganic compounds using ethyl methylimidazolium chloride as carrier issn citat: 0277-3813 titlu: Preparation and characterization of sodium silicate impregnated Chinese fir wood with high strength, water resistance, flame retardant and smoke suppression revista: Journal of Materials Research and Technology-JMR&T issn: 2238-7854 An Apariție: 2020 Autori:3 CoefM: 30 WOS: 000509333300101 link	(30/3)	10
219	titlu citat: New method of wood impregnation with inorganic compounds using ethyl methylimidazolium chloride as carrier issn citat: 0277-3813 titlu: Fire Test and Effects of Fire Retardant on the Natural Ability of Timber: A Review revista: Pertanika Journal of Science and Technology issn: 2238-7854 An Apariție: 2019 Autori:3 CoefM: 5 WOS: 000468387000022 link	(5/3)	1,66
220	titlu citat: New method of wood impregnation with inorganic compounds using ethyl methylimidazolium chloride as carrier issn citat: 0277-3813 titlu: Hybrid wood-polymer composites in civil engineering revista: Magazine of Civil Engineering issn: 2071-4726 An Apariție: 2016 Autori:3 CoefM: 5 WOS: 000405356900005 link	(5/3)	1,66

clatn

221	<p>titlu citat: A mild method of wood impregnation with biopolymers and resins using 1-ethyl-3-methylimidazolium chloride as carrier issn citat: 0263-8762</p> <p>titlu: Preparation, Test, and Analysis of a Novel Aluminosilicate-Based Antimildew Agent Applied on the Microporous Structure of Wood</p> <p>revista: ACS Omega</p> <p>issn: 2470-1343 An Apariție: 2020 Autori:3 CoefM: 20</p> <p>WOS: 000527748400008 link</p>	(20/3)	6,66
222	<p>titlu citat: A mild method of wood impregnation with biopolymers and resins using 1-ethyl-3-methylimidazolium chloride as carrier issn citat: 0263-8762</p> <p>titlu: Natural Bio-Based Products for Wood Coating and Protection against Degradation: A Review</p> <p>revista: BioResources</p> <p>issn: 1930-2126 An Apariție: 2019 Autori:3 CoefM: 15</p> <p>WOS: 000466449000164 link</p>	(15/3)	5
223	<p>titlu citat: A mild method of wood impregnation with biopolymers and resins using 1-ethyl-3-methylimidazolium chloride as carrier issn citat: 0263-8762</p> <p>titlu: Use of ionic liquid based chitosan as sorbent for preconcentration of fluoroquinolones in milk, egg, fish, bovine, and chicken meat samples by solid phase extraction prior to HPLC determination</p> <p>revista: Journal of Liquid Chromatography & Related Technologies</p> <p>issn: 1082-6076 An Apariție: 2016 Autori:3 CoefM: 10</p> <p>WOS: 000373691600004 link</p>	(10/3)	3,33
224	<p>titlu citat: Complex analysis of car shredder light fraction issn citat: 1876-4002</p> <p>titlu: A review on automated sorting of source-separated municipal solid waste for recycling</p> <p>revista: Waste Management</p> <p>issn: 0956-053X An Apariție: 2017 Autori:8 CoefM: 30</p> <p>WOS: 000397357100007 link</p>	(30/8)	3,75
225	<p>titlu citat: Complex analysis of car shredder light fraction issn citat: 1876-4002</p> <p>titlu: Development of flame retarded self-reinforced composites from automotive shredder plastic waste</p> <p>revista: Polymer Degradation and Stability</p> <p>issn: 0141-3910 An Apariție: 2012 Autori:8 CoefM: 20</p> <p>WOS: 000300923500003 link</p>	(20/8)	2,5
226	<p>titlu citat: Complex analysis of car shredder light fraction issn citat: 1876-4002</p>	(5/8)	0,62

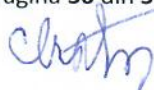
Chro

	titlu: Waste Classification System Using Image Processing and Convolutional Neural Networks revista: Lecture Notes in Computer Science issn: 0302-9743 An Apariție: 2019 Autori:8 CoefM: 5 WOS: 000490722000030 link		
227	titlu citat: Complex analysis of car shredder light fraction issn citat: 1876-4002 titlu: Feasibility Study on S-Band Microwave Radiation and 3D-Thermal Infrared Imaging Sensor-Aided Recognition of Polymer Materials from End-of-Life Vehicles revista: Sensors issn: 1424-8220 An Apariție: 2018 Autori:8 CoefM: 20 WOS: 000435580300054 link	(20/8)	2,5
228	titlu citat: Biopolymers for wood preservation titlu: Physical, Chemical and Biochemical Modifications of Protein-Based Films and Coatings: An Extensive Review revista: International Journal of Molecular Sciences issn: 1422-0067 An Apariție: 2018 Autori:2 CoefM: 20 WOS: 000385525500004 link	(20/2)	10
229	titlu citat: Biopolymers for wood preservation titlu: Identification of wood-decay fungi and assessment of damage in log depots of Western Black Sea Region (Turkey) revista: Forest Pathology issn: 1437-4781 An Apariție: 2019 Autori:2 CoefM: 15 WOS: 000475699100015 link	(15/2)	7,5
230	titlu citat: Biopolymers for wood preservation titlu: Natural Compounds for Wood Protection against Fungi-A Review revista: Molecules issn: 1420-3049 An Apariție: 2020 Autori:2 CoefM: 20 WOS: 000559164400001 link	(20/2)	10
Total A3.1/ 3.1.1			812,95

A.3.3. Membru în colectivele de redacție sau comitete științifice ale revistelor și manifestărilor științifice, organizator de manifestări științifice/Recenzor pentru reviste și manifestări științifice naționale și internaționale			Punctaj realizat
3.3.1. ISI			
1	Jurnal: Journal of Applied Polymer Science issn:10974628 CoefM:5 Perioada:2010-2018	5	5
2	Jurnal: Applied Surface Science issn:0169-4332 CoefM:5 Perioada: 2011-2020	5	5
3	Jurnal: Cellulose	5	5

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4	Jurnal: Journal of Wood chemistry and Technology issn:0969-0239 CoefM:5 Perioada:2014	5	5
5	Jurnal: Wood and Fiber Science issn:0735-6161 CoefM:5 Perioada:2011-2018	5	5
6	Jurnal: Water Research issn:0043-1354 CoefM:5 Perioada:2015	5	5
7	Jurnal: Analytical Letters issn:1532-236X CoefM:5 Perioada:2015	5	5
8	Jurnal: Current Analytical Chemistry issn:1875-6727 CoefM:5 Perioada:2015	5	5
9	Jurnal: International Journal of Polymer Science issn:1687-9422 CoefM:5 Perioada:2017	5	5
10	Jurnal: BioResources issn:1930-2126 CoefM:5 Perioada:2017	5	5
11	Jurnal: Materials Chemistry and Physics issn:0254-0584 CoefM:5 Perioada:2018	5	5
12	Jurnal: Materials & Design issn:0254-0584 CoefM:5 Perioada:2018	5	5
13	Jurnal: Coatings issn:20796412 CoefM:8 (Reviewer Board) Perioada:2018-2021 link	8	8
14	Jurnal: Journal of Hazardous Materials issn:0304-3894 CoefM:5 Perioada:2018	5	5
15	Jurnal: Journal of Mining and Metallurgy Section B-Metallurgy issn:1450-5339 CoefM:5 Perioada:2018	5	5
16	Jurnal: Journal of Materials Science issn:15734803 CoefM:12 (Editor) Perioada:2020-2021 link	12	12
17	Jurnal: Holzforschung issn:1437-434X CoefM:5 Perioada:2019	5	5
18	Jurnal: Journal of Composite Materials issn:0021-9983 CoefM:5 Perioada:20192019	5	5
19	Jurnal: Applied Sciences-Basel issn:2076-3417 CoefM:5 Perioada: 2019	5	5
20	Jurnal: International Journal of Molecular Sciences issn:1422-0067 CoefM:5 Perioada:2019	5	5
21	Jurnal: Materials issn:1996-1944 CoefM:5 Perioada:2019	5	5
22	Jurnal: Polymers issn:2073-4360 CoefM:5 Perioada:2019	5	5
23	Jurnal: Acta Chimica Slovenica issn:1318-0207 CoefM:5 Perioada:2019	5	5
24	Jurnal: Materials Today Proceedings BraMat2019 issn:2214-7853 CoefM:12 (Editor invitat) Perioada:2019 link	5	5
25	Jurnal: Carbonates and Evaporites issn: 1878-5212 CoefM:5 Perioada:2020	5	5
26	Jurnal: Reactive & Functional Polymers issn:1381-5148 CoefM:5 Perioada:2020	5	5
27	Jurnal: Metals issn:2075-4701 CoefM:5 Perioada:2020	5	5
28	Jurnal: Materials Today Communications issn:2352-4928 CoefM:5 Perioada:2021	5	5
Total 3.3.1			150



3.3.2. BDI			
1	Jurnal: Trans Tech Publications- Scientific.Net issn: BDI: Scopus CoefM:3 Perioada:2015-2017	3	3
2	Jurnal: IOP Conference Series: Materials Science and Engineering BDI: Scopus CoefM:3 Perioada:2016	3	3
3	Jurnal: Heritage issn:2571-9408 BDI: CABI CoefM:3 Perioada:2018	3	3
4	Jurnal: Bulletin of the Transilvania University of Brasov - Series I issn:20652119 BDI: Scopus CoefM:3 Perioada:2017	3	3
Total 3.3.2			12
3.3.3. Membru in colectivele de redacție sau comitete științifice ale revistelor și manifestărilor științifice, organizator de manifestări științifice			
1	titlu: BraMat2019 issn: CoefM:3 Perioada:2009-2019 link	3	3
2	titlu: Membru in Technical Committee The 4th International Conference on Renewable Energy and Environment Engineering issn: CoefM:3 Perioada:2018-2021 link	3	3
Total 3.3.3			6
Total 3.3			168

A.3.4. Expert evaluare proiecte cercetare			Punctaj realizat
3.4.2. Naționale			
1	titlu: Proiecte nationale cu finantare UEFISCDI nr ContracteEvalueate:64	5×64	320
2	titlu: Evaluare raportare finală proiecte PED cu finantare UEFISCDI nrContracteEvalueate:6 Perioada:2019	5×6	30
3	titlu: Evaluare intermediară de etapă proiecte PCCDI cu finantare UEFISCDI nrContracteEvalueate:3 Perioada:2020 nrContracteEvalueate:3	5×3	15
4	titlu:Evaluare etapă intermediară proiecte PN-III-P2-2.1-PTE-2019 nr ContracteEvalueate:4 Perioada:2019	5×4	20
Total 3.4			385

A.3.6. Membru în academii, organizații, asociații profesionale de prestigiu, naționale și internaționale, apartenență la organizații din domeniul educației și cercetării			Punctaj realizat
3.6.4. Asociații profesionale			
3.6.4.1. Internaționale	Asociația: Danube Adria Association for Automation & Manufacturing Perioada:2015 http://daaam.info/		5
	Asociația: International Union of Pure and Applied Chemistry Perioada:2017 https://iupac.org		5
3.6.4.2. Naționale	Asociația: Asociația Tehnică De Turnătorie Din România (ATTR) Perioada:2018-2021		2
3.6.5. Membru in organizatii in domeniul educatiei si cercetarii			

clara

3.6.5.2. Membru	Membru al Consiliului Departamentului Ingineria Materialelor și Sudură Perioada:2016-2021 link		2
Total 3.6			14

Brașov, 6.01.2022

Candidat:

Conf. Dr. Chim. Cătălin CROITORU



Director de departament:

Conf. Dr. Ing. Arthur OLĂH



Rezoluția Comisiei științifice Ingineria și știința materialelor:

Membrii Comisiei științifice:

Standardele sunt îndeplinite:

1. Prof. Dr. Ing. Daniel MUNTEANU
2. Prof. Dr. Ing. Mircea Horia ȚIEREAN
3. Prof. Dr. Ing. Teodor MACHEDON PISU

<input type="checkbox"/> Da	<input type="checkbox"/> Nu
<input type="checkbox"/> Da	<input type="checkbox"/> Nu
<input type="checkbox"/> Da	<input type="checkbox"/> Nu