Gradul de îndeplinire al standardelor specifice minimale necesare şi obligatorii pentru conferirea titlurilor didactice din învățământul superior

Comisia**: INGINERIA ȘI MANAGEMENTUL PRODUCȚIEI**

Conf. dr. ing. Ionuț Claudiu ROATĂ

Condiții	Îndeplinire condiții	
A. Doctor:	Realizat-2009	
B. Îndeplinirea standardelor minimale naționale, conform O.M.E.N.C.S. 6129/ 20.12.2016.		
Condiții minimale [Punctaj]	**Minim prevăzut**	**Realizat**
A1. Activitate didactică/profesională	130	160.23
A2. Activitatea de cercetare	300	669.52
A3. Recunoașterea și impactul activității	100	571.58
Total (A)	530	1401.33
Condiții minimale obligatorii pe subcategorii [Număr]	**Minim prevăzut**	**Realizat**
1.1.1.Carti/manuale/monografii/capitole de specialitate Minimum 2 ca prim autor	2	3
1.2.1. Manuale didactice /monografii din care: Minimum 4	4	4
2 ca prim autor	2	4
2.1 Articole indexate în reviste ISI Thomson Reuters și în volumele unor manifestări științifice indexate ISI Thomson Reuters, vizibile în baza de date din care: Minimum 8 articole de la ultima promovare (02.2019)	8	17
Minimum 3 în reviste	3	17
Minimum 3 ca prim autor principal	3	9
2.2. Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale ** Minimum 8 articole de la ultima promovare (02.2019)	8	9
2.5. Granturi/proiecte câștigate prin competiție sau contracte cu mediul socio-economic (în valoare de minimum 25000 lei, justificată cu documente care să ateste încasarea sumei) 2.5.1. Director/Responsabil – minimum 2 director / 4 responsabil	2	4

A1. Activitatea didactică și profesională				
Tipul activităților	**Categorii și restricții**	**Subcategorii**	**Indicatori unitari**	**Puncte realizate**
1.1. Cărți și capitole în cărți de specialitate	**1.1.1. Cărți / capitole ca autor**	**1.1.1.1. Internaționale**	**Nr. pagini/(5*nr. autori)**	
		Catalin Croitoru, **Ionut Claudiu Roata**: Fundamentals of Natural Fibres and Textiles - 11 - Alteration and enhancing the properties of natural fibres; Editură: Woodhead Publishing-Elsevier; ISBN:978-0-12-821483-1; 2021; 39 pag. link		3.9
		Catalin Croitoru, **Ionut Claudiu Roata**; Medical Textiles from Natural Resources - 17 - Smart dyes for medical textiles and related therapy; Editură: Woodhead Publishing-Elsevier; ISBN:978-0-323-90479-7; 2021; 22 pag. link		2.2
		1.1.1.2. Naționale (Ed. Recunoscute CNCSIS)	**Nr. pagini/(10*nr. autori)**	
		Mihai Alin Pop, Sebastian Marian Zaharia, **Ionuț Claudiu Roată**, Cătălin Croitoru, Virgil Geamăn; Tehnologii si materiale avansate utilizate in ingineria materialelor Editură:Printech; ISBN:978-606-23-1573-3;2024; 133 pag. link		2.66
		Constantin Grigore Ceorapin; Mircea Horia Țierean, **Ionuț Claudiu Roată;** Metode Numerice. Lucrări de laborator în MatLab; Editura: Lux Libris; ISBN:978-973-131-000-8; 2007; 242 pag. link		8.06
		Ionuț Claudiu Roată; Acoperiri prin pulverizare termică; Editura: Lux Libris; ISBN:978-973-131-393-1; 2017; 230 pag.		23

		link	
		Cătălin Croitoru, **Ionuț Claudiu Roată**; Tehnologii avansate de procesare a materialelor celulozice; Editura: Lux Libris; ISBN:978-973-131-396-2; 2017; 250 pag. link	12.50
		Ionuț Claudiu Roată; Sudarea electrică prin presiune în puncte: principii teoretice şi aplicaţii; Editura: Lux Libris; ISBN:978-973-131-411-2; 2018; 100 pag. link	10
		Ionuț Claudiu Roată; Applications of thermal spray technologies; Editura: Lux Libris; ISBN:978-973-131-410-5; 2018; 220 pag. link	22
1.1.2. Cărti ca editor	**1.1.2.1. Internaționale**	**Nr. pagini/(10*nr. editori)**	0
	1.1.2.2. Naționale	**Nr. pagini/(20*nr. editori)**	0
1.2. Alte materiale didactice – inclusiv in format electronic(pt format electronic – echivalent format A4 text fara figuri cu min.3200 caractere inclusiv spatii)	**1.2.1. Suporturi de curs / Îndrumare Profesor: minimum 4, din care 2 prim autor Conferențiar: minimum 2, din care 1 prim autor**	**Nr. pagini/(20*nr. editori)**	
		Ionuț Claudiu Roată; Calculul numeric al structurilor metalice; Editura: Lux Libris; ISBN:978-973-131-394-8; 2017; 100 pag. link	5
		Ionuț Claudiu Roată; Cătălin Croitoru; Elemente de control statistic aplicat în ingineria industrial; Editura: Lux Libris; ISBN:978-973-131-395-5; 2017; 100 pag. link	2.5
		Ionuț Claudiu Roată; Cătălin Croitoru; Edit Moldovan; Bazele cercetarii experimentale; Editura: Printech; ISBN:978-606-23-1395-1;2022; 96 pag. link	1.6

		Ionuț Claudiu Roată; Cătălin Croitoru; Malin Mihai Pop; Metode Numerice - Lucrari practice; Editura: Printech; ISBN:978-606-23-1579-5; 2024; 109 pag. link	1.81
1.3. Coordonare de programe de studii, organizare și coordonare programe de formare continuă	**Director/ Responsabil/**	**Punctaj: 15**	
		Coordonator program de studii Ingineria sudarii materialelor avansate, Facultatea de Știința și ingineria materialelor, Universitatea Transilvania din Brașov link	15
1.4. Dezvoltare de noi discipline	**Titular**	**Punctaj: 10**	
		Sănătate și securitate în muncă în sectoarele primare programul de studii de licență “Ingineria securității in industrie”, Facultatea SIM, Universitatea Transilvania din Brașov link	10
		Metoda elementului finit programul de studii de licență “Ingineria sudării” și “Ingineria securității in industrie”, Facultatea SIM, Universitatea Transilvania din Brașov link	10
		Proiectarea şi omologarea structurilor sudate (II) programul de studii de licență “Ingineria securității in industrie”, Facultatea SIM, Universitatea Transilvania din Brașov link	10
		Verificarea procedeelor de sudare programul de studii de licență “Ingineria securității in industrie”, Facultatea SIM, Universitatea Transilvania din Brașov link	10
		Fabricaţia sistemică a structurilor sudate programul de studii de masterat “Ingineria sudării	10

		materialelor avansate", Facultatea SIM, Universitatea Transilvania din Brașov link	
1.5. Proiecte educaționale (ERASMUS, Leonardo etc.)	**Director/ Responsabil**	Punctaj: 10 * (ani desfășurare)	0
		TOTAL A1	**160.23**

A2. Activitatea de cercetare			
2.1. Articole în Reviste cotate ISI Thomson Reuters și în Volume unor maniferstari stiintifice indexate ISI Thomson Reuters, vizibile in baze de date **De la ultima promovare* Minimum 8 articole, din care 3 în reviste, minimum 3 ca autor principal, pentru Profesor.** **Pentru profesor și CS1, începând din 2018 - minimum 1 articol în reviste din zona roșie sau galbenă.**	**Reviste ISI**	**(30 + 10 * fact. impact)/ (nr.de autori)**	
	De la ultima promovare: 17 articole în reviste dintre care 3 articole ca autor principal, 6 articole ca autor correspondent, 13 articole în reviste din zona galbenă sau roșie		
	1	Cătălin Croitoru, **Ionut Claudiu Roata**, Ionic Liquids as Potential Cleaning and Restoration Agents for Cellulosic Artefacts, Processes, 2024, 12(2), 341, e-ISSN 2227-9717, SRI 0.55, **FI 2.8**, (Q2) **WOS:001168455900001** https://doi.org/10.3390/pr12020341	29
	2	Cătălin Croitoru, **Ionut Claudiu Roata**, Ionic Liquids as Reconditioning Agents for Paper Artifacts, Molecules, 2024, 29, 963, e-ISSN 1420-3049, SRI 0.87, **FI 4.2**, (Q2) **WOS:001183080300001** https://doi.org/10.3390/molecules29050963	36
	3	Mihai Alexandru Luca, **Ionut Claudiu Roata**, Cătălin Croitoru, Alina Luciana Todi-Eftimie, Vibration-Assisted Welding of 42CrMo4 Steel: Optimizing Parameters for Improved Properties and Weldability, Materials, 2024, 17, 2708, e-ISSN 1996-1944, SRI 0.61, **FI 3.1**, (Q2)	15.25

		WOS:001245712000001 https://doi.org/10.3390/ma17112708	
	4	Cătălin Croitoru, **Ionut Claudiu Roata**, Ni-Ti MULTIFUNCTIONAL MATERIALS SINTERED VIA CONCENTRATED SOLAR ENERGY, ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING, 2023, 66,5, e-ISSN 1221 – 5872, **FI 0.1** **WOS:001267255200034** https://atna-mam.utcluj.ro/index.php/Acta/article/view/2326/1788	15.50
	5	**Ionut Claudiu Roata**, Ioan PLAMADIALA, Ionut UNCU, MULTIFUNCTIONAL Ni-Cr-Al-Y COATINGS VIA THERMAL SPRAYING, ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING, 2023, 66,5, e-ISSN 1221 – 5872, **FI 0.1** **WOS:001267255200035** https://atna-mam.utcluj.ro/index.php/Acta/article/view/2327	10.33
	6	E.M. Stanciu, A. Pascu, C. Croitoru, **I. C. Roata**, D. Cristea, M.H. Tierean, I. Hulka, I.M. Petre, J. C. Mirza Rosca, Functional Surfaces via Laser Processing in Nickel Acetate Solution, Materials, 2023, 16, 3087, e-ISSN 1996-1944, SRI 1.659, **FI 3.1**, (Q2) **WOS:000976464500001** https://doi.org/10.3390/ma16083087	6.78
	7	E.R. Moldovan, C.C. Doria, J.L. Ocana, L.S. Baltes, E.M. Stanciu, C. Croitoru, A. Pascu, **I.C. Roata**, M.H. Tierean, Wettability and Surface Roughness Analysis of Laser Surface Texturing of AISI 430 Stainless Steel, Materials, 2022, 15(8), 2955, e-ISSN 1996-1944, SRI 1.659, **FI 3.4** (Q2) **WOS:000787465000001** https://doi.org/10.3390/ma15082955	7.11
	8	Ionut Uncu, **Ionut Claudiu Roata***, Catalin Croitoru*, Teodor Machedon-Pisu, Visible Domain Photocatalysis Performance of Ti-Si Thermal-Sprayed Coatings, Sustainability, 2022, 14(1), 85, e-ISSN 2071-1050, SRI 0.61, **FI 3.88**, (Q2)	17.20

		WOS:000752660700001 https://doi.org/10.3390/su14010085	
	9	Cătălin Croitoru*, **Ionut Claudiu Roata***, Teodor Machedon-Pisu, Arthur Olah, Austenitic Stainless Steel as a Catalyst Material for Photo-Fenton Degradation of Organic Dyes, Applied Sciences, 2022, 12(3), 1008, e-ISSN 2076-3417, SRI 0.52, **FI 2.8**, (Q2) **WOS:000759842400001** https://doi.org/10.3390/app12031008	14.50
	10	Cătălin Croitoru*, **Ionut Claudiu Roata***, Alkylimidazolium Ionic Liquids Absorption and Diffusion in Wood, Applied Sciences, 2021, 11(16), 7640, e-ISSN 2076-3417, SRI 0.52, **FI 2.8**, (Q2) **WOS:000688576400001** https://doi.org/10.3390/app11167640	29.00
	11	I. Hulka, I.D. Utu, D. Avram, M.L. Dan, A, Pascu, E.M. Stanciu, **I.C. Roata**, Influence of the Laser Cladding Parameters on the Morphology, Wear and Corrosion Resistance of WC-Co/NiCrBSi Composite Coatings, Materials, 2021, 14(19), 5583, e-ISSN 1996-1944, SRI 0.62, **FI 3.748**, (Q1) **WOS:000710250900001** https://doi.org/10.3390/ma14195583	9.64
	12	Cătălin Croitoru*, **Ionut Claudiu Roata***, Ionic Liquids as Antifungal Agents for Wood Preservation, Molecules, 2020, 25(18), 4289, e-ISSN 1420-3049, SRI 0.87, **FI 3.27**, (Q2) **WOS:000580097000001** https://doi.org/10.3390/molecules25184289	31.35
	13	C. Croitoru*, **I.C. Roata***, A. Pascu, E.M. Stanciu, Diffusion and Controlled Release in Physically Crosslinked Poly (Vinyl Alcohol)/Iota-Carrageenan Hydrogel Blends, Polymers, 2020, 12 (7), 1544, ISSN 2073-4360, SRI 0.88, **FI 3.42** (Q1) **WOS:000558033000001** https://doi.org/10.3390/polym12071544	16.05

	14	**I.C. Roata**, C. Croitoru, A. Pascu, E.M. Stanciu, I. Hulka, I. Petre, C. Gabor, D. Patroi, B.G. Sbarcea, Surface engineering of Ni-Al coatings through concentrated solar heat treatment, Applied Surface Science, 2020, 506, 144185, ISSN 0169-4332, SRI 1.32, FI **6.18** (Q1) **WOS:000512983600137** https://doi.org/10.1016/j.apsusc.2019.144185	10.20
	15	C. Croitoru*, **I.C. Roata***, A. Pascu, E.M. Stanciu, I. Hulka, G. Stoian, N. Lupu, Photocatalytic surfaces obtained through one-step thermal spraying of titanium, Elsevier, Applied Surface Science,2020, 504, 144173, ISSN 0169-4332, SRI 1.32, **FI 6.18** (Q1) **WOS:000502040600179** https://doi.org/10.1016/j.apsusc.2019.144173	13.11
	16	A Pascu, E.M Stanciu, C. Croitoru, **I.C. Roata**, J.M. Rosca, N. Cimpoesu, M.H. Tierean, C. Bogatu, Pulsed Laser Cladding of NiCrBSiFeC Hardcoatings Using Single-Walled Carbon Nanotube Additives, Journal of Nanomaterials 2019, 1-12,2019, 2401295, ISSN: 1687-4110, **FI 2.23** **WOS:000487080800001** https://doi.org/10.1155/2019/2401295	6.53
	17	**I.C. Roata**, C. Croitoru, A. Pascu, E.M. Stanciu, Photocatalytic coatings via thermal spraying: a mini-review, AIMS Materials Science, 2019, 6(3), pp. 335- 353, ISSN 2372-0468, SRI 0, **FI 0.2** **WOS:000471016400003** 10.3934/matersci.2019.3.335	8
	18	Catalin Croitoru, Cosmin Spirchez, Daniel Cristea, Aurel Lunguleasa, Mihai Alin Pop, Tibor Bedo, **Ionut Claudiu Roata**, Mihai Alexandru Luca, Calcium carbonate and wood reinforced hybrid PVC composites, Journal of Applied Polymer Science, 2018, 135(22), 46317, ISSN 1097-4628, **FI 1.9** **WOS:000426508700017** https://doi.org/10.1002/app.46317	6.13

	19	C. Croitoru, C. Spirchez, A.Lunguleasa, D.Cristea, **I.C.Roata**, M. A.Pop, T.Bedo, E.M.Stanciu, A.Pascu, Surface properties of thermally treated composite wood panels, Applied Surface Science 438, pp 114–126, 2018, ISSN 0169-4332 SRI 1,47, **IF 5.15** (Q1) **WOS:000425731200013** https://doi.org/10.1016/j.apsusc.2017.08.193	9.05
	20	E.M. Stanciu, A. Pascu, **I.C. Roată**, C. Croitoru, M. Tierean, J. Mirza Rosca, I. Hulka, Solar radiation synthesis of functional carbonaceous materials using Al_2O_3/TiO_2-Cu-HA doped catalyst, Applied Surface Science, pp 33–40, 2018, ISSN 0169-4332 SRI 1,47, **FI 5.15** (Q1) **WOS:000425731200005** https://doi.org/10.1016/j.apsusc.2017.10.092	11.64
	21	**I. C. Roată**, C. Croitoru, A. Pascu, E.M. Stanciu, Characterization of physically crosslinked ionic liquid-lignocellulose hydrogels, BioResources 13(3), 6110-6121, 2018, **FI 1.39** (Q2) **WOS:000440506300095** https://bioresources.cnr.ncsu.edu/resources/characterization-of-physically-crosslinked-ionic-liquid-lignocellulose-hydrogels/	10.97
	22	A. Pascu, E.M. Stanciu, C. Croitoru, **I. C. Roată**, M.H. Tierean, Carbon Nanoparticle-Supported Pd Obtained by Solar Physical Vapor Deposition, Advances in Materials Science and Engineering, Volume 2018, 2018, ISSN: 1687- 8434, **FI 1.29** **WOS:000426193300001** https://doi.org/10.1155/2018/4730192	8.58
	23	**I. C. Roată**, C. Croitoru, A. Pascu, E.M. Stanciu, Photocatalytic performance of copper-based coatings deposited by thermal spraying, Journal of Materials Science: Materials in Electronics, 29, (13), 11345–11357, 2018, **FI 2.19** (Q2) **WOS:000435588600069** https://doi.org/10.1007/s10854-018-9222-x	12.97

	24	C. Croitoru, A.M. Varodi, M.C. Timar, **I.C. Roata**, E.M. Stanciu, A. Pascu, Wood plastic composites based on HDPE and ionic liquid additives, Journal of Materials Science 53, Issue 6, pp 4132–4143, 2018, ISSN 0022-2461, SRI 1.27, **FI 3.4** (Q2) **WOS:000418294200017** https://doi.org/10.1007/s10853-017-1826-7	10.66
	25	E.M. Stanciu, A. Pascu, M.H. Tierean, **I.C. Roata**, I. Voiculescu, I.Hulka, C.Croitoru, Dissimilar Laser Welding of AISI 321 and AISI 1010, Technical Gazette, ISSN 1330-3651, Vol. 25/No. 2, 2018, SRI 0.29, **FI 0.72** **WOS:000430936800006** https://doi.org/10.17559/TV-20160722151049	5.31
	26	A. Pascu, E.M. Stanciu, **I. C. Roata**, I. Hulka, D. Utu, I. Maior, Influence of the laser cladding parameters and solar heat treatment on the properties of biocompatible inconel 718 coatings, Revista Română de Materiale / Romanian Journal of Materials issn:2457502X, 2017, SRI 0.14, **FI 0.66** **WOS:000404823800006** https://solacolu.chim.upb.ro/p157-165.pdf	6.10
	27	E.M. Stanciu, A. Pascu, M.H. Tierean, I. Voiculescu, **I.C. Roata**, C. Croitoru, I.Hulka, Dual Coating Laser Cladding of NiCrBSi and Inconel 718, Materials and Manufacturing Processes, Volume 31, Issue 12, pp. 1556-1564,2016, SRI 0.74, **FI 2.27** **WOS:000381388400003** https://doi.org/10.1080/10426914.2015.1103866	7.53
	28	A. Pascu, E.M. Stanciu, I.Voiculescu, M.H.Tierean, **I.C.Roata**, J.L.Ocana, Chemical and Mechanical Characterization of AISI 304 and AISI 1010 Laser Welding, Materials and Manufacturing Processes, Volume: 31, Issue: 03, pp. 311 – 318, 2015, SRI 0.74, **FI 2.27** **WOS:000365670400008** https://doi.org/10.1080/10426914.2015.1025970	8.78

	29	Iosif Hulka, V.A. Serban, D. Utu, Narcis duteanu, A. Pascu, **I.C. Roată**, Corrosion Resistance Of Laser Cladded NiCrBSi Composite Coatings, *STUDIA UBB CHEMIA*, 2015, Vol. 60 Issue 4 Pages:173-184, **FI 0.19** **WOS:000385902800031** https://studia.reviste.ubbcluj.ro/index.php/chemia/article/view/8505	5.32
	30	Iosif Hulka, Viorel Aurel Şerban, Dragoş Uţu, Narcis Mihai Duţeanu, Alexandru Pascu, **Ionuţ Roată**, Ioana Maior, WEAR RESISTANCE OF LASER CLADDING NiCrBSi COMPOSITE COATINGS, *Romanian Journal of Materials*, 2016, Vol. 46 (1), Pages:49 – 54, **FI 0.54** **WOS:000372938400007** https://solacolu.chim.upb.ro/p49-54w.pdf	5.06
	Volume conferinte indexate ISI	**25/nr.de autori**	
	1	**I.C. Roată**, A. Pascu, E. M. Stanciu, Influence of the Electric Field Voltage on the Microhardness of the Layers Coated by Thermal Spraying, *Solid State Phenomena*, (2014), Vol. 216, Pages:316-321, **WOS:000347924100055** https://doi.org/10.4028/www.scientific.net/SSP.216.316	8.33
	2	E. M. Stanciu, A. Pascu, **I. C. Roată**, Edge Fillet Laser Welding of AISI 304 Stainless Steel, *Solid State Phenomena*, (2014), Vol. 216, Pages:304-309 **WOS:000347924100053** https://doi.org/10.4028/www.scientific.net/SSP.216.304	8.33
	3	M. E. Hanea, R. Iovănaş, A. Pascu, **I. C. Roată**, Smart Mobile Workstation Used to Transmit Data for Non-Destructive Testing of Pipelines Welded Joints, *Solid State Phenomena*, (2014), Vol. 216, Pages:279-282, **WOS:000347924100048** https://doi.org/10.4028/www.scientific.net/SSP.216.279	6.25
	4	C. M. Hanea, R. Iovanas, **I. C. Roată**, A. Pascu, Experimental Research on Modern Methods of Welding Pipelines Using Base Materials X60 and X70, *Solid State Phenomena*, (2014), Vol. 216, Pages:298-303	6.25

		WOS:000347924100052 https://doi.org/10.4028/www.scientific.net/SSP.216.298	
A.2.2. Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale	**15/nr. de autori**		
	De la ultima promovare 9 articole		
	1	E.M. Stanciu, A. Pascu, I.C. Roată, C. Iatan, E.R. Moldovan and M.H. Tierean, Millisecond pulsed laser welding of AISI 316 stainless steel, IOP Conf. Series: Materials Science and Engineering, IOP Publishing, 1251, 2022, 012012, doi:10.1088/1757-899X/1251/1/012012. Indexat în baza de date: ProQuest https://iopscience.iop.org/article/10.1088/1757-899X/1251/1/012012 link - ProQuest	2.5
	2	Catalin CROITORU, Ionut Claudiu ROATA, Edit Roxana MOLDOVAN, Mihai Alexandru LUCA, Modelling the Tensile Properties of HDPE Composite Materials with Poly (vinyl acetate) Coated Calcium Carbonate Filler, Revista RECENT, 2022, ISSN 1582-0 Indexat în baza de date: INDEXCOPERNICUS https://www.recentonline.ro/2022/067/Croitoru-R67.pdf https://journals.indexcopernicus.com/search/article?articleId=3482031	3.75
	3	Ioana Mădălina PETRE, Ionut Claudiu ROATA, A Study on the Influence of the Pressure upon the Pneumatic Muscle Forces, Revista RECENT, 2022, ISSN 1582-0 Indexat în baza de date: INDEXCOPERNICUS https://www.recentonline.ro/2022/066/Petre-R66.pdf https://journals.indexcopernicus.com/search/article?articleId=3378666	7,5
	4	D.C. Cuculea, G.L. Ardelean, E.M. Stanciu, Roată I., A. Pascu, Dilution in laser cladding with Ni-based	3

		powders, Annals of "Dunarea de Jos" University of Galati, Fascicle XII, Welding Equipment and Technology,32, pp 56 – 60, ISSN: 1221-4639, 2021. Indexat în baza de date: ProQuest https://www.gup.ugal.ro/ugaljournals/index.php/awet/article/view/4993 link - ProQuest	
	5	A. Pascu, E. M. Stanciu, I. Roată, C. Croitoru, M. Tierean, I. Hulka, J. Mirza Rosca, Reconditioning of compression moulds by laser cladding, Annals of Faculty of Engineering Hunedoara – International Journal of Engineering XVII (4), 41-44, (2019). Indexat în baza de date: ProQuest link - ProQuest	2.14
	6	E.M. Stanciu, A. Pascu, I.C. Roata, C. Croitoru, M.H. Tierean, Laser welding of dissimilar materials, Materials Today-Proceedings, 19, pp 1066-1072, ISSN 2214-7853, 2019. Indexat în baza de date: Scopus https://www.sciencedirect.com/science/article/pii/S2214785319329529 link - Scopus	3
	7	I.C. Roata, C. Croitoru, E.M. Stanciu, A. Pascu, Cladding under the spotlight: between performance materials and occupational health hazards, Materials Today-Proceedings, 19, pp 1051-1058, ISSN 2214-7853, 2019. Indexat în baza de date: Scopus https://www.sciencedirect.com/science/article/pii/S2214785319329505 link - Scopus	3.75
	8	C. Croitoru, A. Pascu, E.M. Stanciu, I.C. Roata, Solar synthesis of carbon microparticles from polymer waste, Materials Today-Proceedings, 19, pp 996-1002, ISSN 2214-7853, 2019. Indexat în baza de date: Scopus https://www.sciencedirect.com/science/article/pii/S2214785319329426 link - Scopus	3.75

	9	Arthur Olah, Catalin Croitoru, Ionut Claudiu Roata, Alexandru Bogdan Andreescu, Ignition behavior of insulative materials: a safety vision, Materials Today-Proceedings, 19, pp 1003-1007, ISSN 2214-7853, 2019. https://www.sciencedirect.com/science/article/abs/pii/S2214785319329438 link - Scopus	3.75
	10	C. Croitoru, A. Pascu, I. C. Roata, E. M. Stanciu, Obtaining and Characterization of Polyolefin-Filled Calcium Carbonate Composites Modified with Stearic Acid, IOP Conference Series: Materials Science and Engineering , 209, 2017, doi:10.1088/1757-899X/209/1/012041 Indexat în baza de date: ProQuest http://iopscience.iop.org/article/10.1088/1757-899X/209/1/012041 link - ProQuest	3.75
	11	C. Roata, A. Pascu, C. Croitoru, E. M. Stanciu, M. A. Pop, Thermal Spraying of CuAlFe Powder on Cu5Sn Alloy, IOP Conference Series: Materials Science and Engineering , 209, 2017, 012042 doi:10.1088/1757-899X/209/1/012042 Indexat în baza de date: ProQuest http://iopscience.iop.org/article/10.1088/1757-899X/209/1/012042 link - ProQuest	3
	12	C. Croitoru, I. C. Roata, A. Pascu, E. M. Stanciu, Ionic Liquid Surface Treatment of Calcite for Improved Compatibility with Polyolefin Matrix, IOP Conference Series: Materials Science and Engineering , 209, 2017, 012052 doi:10.1088/1757-899X/209/1/012052 Indexat în baza de date: ProQuest http://iopscience.iop.org/article/10.1088/1757-899X/209/1/012052 link - ProQuest	3.75
	13	A. Pascu, E. M. Stanciu, C. Croitoru, I. C. Roata, M. H. Tierean, Pulsed Laser Cladding of Ni Based Powder, IOP Conference Series: Materials Science and Engineering , 209, 2017, 012058	3

		doi:10.1088/1757-899X/209/1/012058 Indexat în baza de date: ProQuest http://iopscience.iop.org/article/10.1088/1757-899X/209/1/012058 link - ProQuest	
	14	A. Pascu, E.M. Stanciu, I.C.Roata, C.Croitoru, L.S.Baltes, M.H.Tierean, Parameters and Behaviour of NiCrFeSiB Laser Cladding in Overlapped Geometry, Bulletin of the Transilvania University of Braşov, Vol. 9 (58) No. 2 – 2016, Series I: Engineering Sciences. Indexat în baza de date: EBSCOHOST https://webbut.unitbv.ro/index.php/Series_I/article/view/3476/2761	2.5
	15	A. Pascu, I. Hulka, M. H. Tierean, C. Croitoru, E. M. Stanciu, I. C. Roată, A Comparison of Flame Coating and Laser Cladding Using Ni Based, Solid State Phenomena, Advanced Materials and Structures VI, 2016. Indexat în baza de date: ProQuest https://www.scientific.net/SSP.254.77 link - ProQuest	2.5
	16	I. Hulka, I.D. Utu, V.A. Serban, A. Pascu,**I.C. Roată**, Wear Resistance of Laser Cladded NiCrFeSiB Self - Fluxing Composite Coatings, *Solid State Phenomena*, ISSN: 16629779, 2016, Indexat în baza de date: ProQuest https://doi.org/10.4028/www.scientific.net/SSP.254.290 link - ProQuest	3.0
	17	C. Croitoru, A. Giubega, S. Paţachia, L. Balteş, A. Pascu, **I. Roată**, M. Tierean, State of the Art in Calcite and Polyolefins Recycling, *BULLETIN OF THE TRANSILVANIA UNIVERSITY OF BRASOV*, ISSN: 20652119, 2016, Indexat în baza de date: ProQuest https://webbut.unitbv.ro/index.php/Series_I/article/download/3470/2755/6821 link - ProQuest	2.14
	18	A. Pascu, E.M.Stanciu, I. C.Roată, Laser cladding of metco 68F-NS-1 cobalt based powder, Revista RECENT Vol 16 (2015), Nr. 2 (45), ISSN 1582-0 Indexat în baza de date: INDEXCOPERNICUS	5

		https://www.recentonline.ro/045/Pascu-R45.pdf https://journals.indexcopernicus.com/search/article?articleId=732895	
	19	E.M.Stanciu, A.Pascu, I. C.Roată, Laser welding of austenitic stainless steel thin sheets, Revista RECENT Vol 16 (2015), Nr. 2 (45), ISSN 1582-0246 Indexat în baza de date: INDEXCOPERNICUS https://recentonline.ro/045/Stanciu-R45.pdf https://journals.indexcopernicus.com/search/article?articleId=852335	5
	20	I.C. Roată, E.M.Stanciu, A.Pascu, Microstructure evaluation of stainless steel welds, Revista RECENT Vol 16 (2015), Nr. 2 (45), ISSN 1582-0246 Indexat în baza de date: INDEXCOPERNICUS https://www.recentonline.ro/045/Roata-R45.pdf https://journals.indexcopernicus.com/search/article?articleId=1032711	5
	21	**I.C. Roată**, A. Pascu, E.M. Stanciu, Cold Metal Transfer Welding of Aluminum 5456 Thin Sheets, *Advanced Materials Research*, ISSN: 10226680, Vol 1029, pp. 140-145, 2014 Indexat în baza de date: Scopus http://www.scientific.net/AMR.1029.140 link - Scopus	5
	22	E. M. Stanciu, A. Pascu, I. C. Roată, Lap joint laser welding of austenitic stainless steel thin sheets, Advanced Materials Research, Vol 1029, pp. 134-139,Sep. 2014. Indexat în baza de date: Scopus http://www.scientific.net/AMR.1029.134 link - Scopus	5
	23	**I.C. Roată**, Influence of electrical field voltage on the layers deposited by thermal spraying, *Metalurgia*, ISSN: 04619579, 2014, Indexat în baza de date: ProQuest link - ProQuest	15
	24	**I.C. Roată**, Mathematical determinations concerning the extension of the electric field influence range on the layers coated by metallization, *Metalurgia*, ISSN: 04619579, 2013, Indexat în baza de date:	15

		ProQuest link - ProQuest	
	25	**I.C. Roată**, A. Pascu, D,M, Iovanas, Mathematical determinations concerning the extension of the voltage influence range on the ohmic resistance of the layers deposited by metallization with flame and powder, *Metalurgia*, ISSN: 04619579, 2013, Indexat în baza de date: ProQuest link - ProQuest	5
2.3. Articole în extenso în Reviste / volumele unor manifestari stiintifice naționale / internaționale neindexate	**6/ nr autori (Reviste)**		0
	4/nr autori (volume conferinte)		0
2.4. Proprietate intelectuală, brevete de invenție și inovație, etc.	**Internaționale**	**40/nr.de autori**	0
	Naționale	**20/nr.de autori**	0
2.5. Granturi/proiecte câștigate prin competiție sau contracte cu mediul socio-economic (in valoare de minimum 25000 lei)	**2.5.1. Director/ Responsabil**	**2.5.1.1. Internaționale**	**20* val/ (10 mii € *nr ani)**
	1	European Solar Research Infrastructure for Concentrated Solar Power - SFERA III, Italia 2020 Titlu proiect: Corrosion resistance of NiCrAlX coated materials in molten NaNO3/KNO3 salt mixture Valoare: 5.404,84 € , anul 2022 SFERA-III_List of SURP Granted_200811 link	10.81
	2	European Solar Research Infrastructure for Concentrated Solar Power - SFERA II, Spania 2014 Titlu proiect: MECHANICAL PROPERTIES IMPROVEMENT OF CU10AL LASER CLADDED ON ALUMINUM Valoare: 13.828,15 € , anul 2014	27.66

		SFERA2 - Solar Facilities for the European Research Area 2 - List of SFERA2 User Research Projects Accepted link		
	3	European Solar Research Infrastructure for Concentrated Solar Power - SFERA II, Italia 2014 Titlu proiect: IMPROVEMENT OF ELECTRIC CONTACTS CORROSION RESISTANCE Valoare: 13.717,16 € , anul 2014 SFERA2 - Solar Facilities for the European Research Area 2 - List of SFERA2 User Research Projects Accepted link		27.43
	4	European Solar Research Infrastructure for Concentrated Solar Power - SFERA I, Spania 2013 Titlu proiect: Improvement of corrosion and thermal resistance by thermal cladding of Ni-based coating on copper Valoare: 8.016,12 € , anul 2013 link		16.03
	2.5.1. Director/ Responsabil	**2.5.1.2. Naționale**	**10* val/ (10 mii € *nr ani)**	0
	2.5.2. Membru in echipă	**2.5.2.1. Internaționale**	**4*nr. ani participare in proiect**	
	1	European Solar Research Infrastructure for Concentrated Solar Power - SFERA II Corrosion and wear behavior of NiCrBSi coatings fabricated bz laser cladding, 2016, Italia link		4
	2	Studies concerning the real time monitoring of laser welding/cutting process, Contract cu terți		12

		finantator: Delft Enterprises B.V nr ctr: 8407/21.07.2015 perioada:2015-2018 link	
	2.5.2. Membru in echipă	**2.5.2.2. Naționale**	**2*nr.ani participare in proiect**
	1	SOLUTII NOVATIVE DE REALIZARE PRIN AUTOFORMARE A MODELELOR PENTRU TURNAREA PIESELOR DE SERIE MICA SI UNICATE AUTOFORMODEL – AUTOFORMODEL (Contract PN II Nr. 72-203, 2008–2011) link	6
	2	MATERIALE NOVATIVE CU STRUCTURA AMORFA PENTRU BRAZARE DESTINATE APLICATIILOR INDUSTRIALE SPECIALE – NOVABRAZ (Contract CEEX Nr. 221, 2006–2008) link	6
	3	TEHNOLOGII INOVATIVE PENTRU REALIZAREA DE ELEMENTE MODULATE DESTINATE FABRICARII SCULELOR PENTRU DEFORMARI PLASTICE – ELMOD (Contract PN II Nr. 71-039, 2007–2009) link	6
	4	ELECTROZI MULTISTRAT PENTRU SUDAREA PRIN REZISTENTA ELECTRICA IN PUNCTE SI IN LINIE –ELSUD (Contract PN II Nr. 71-066, 2008–2010) link	6
	5	TEHNOLOGIE DE DEPUNERE PRIN SUDARE HIBRIDA LASER-MIG CU PULBERI – LASERDEP (Contract PN II Nr. 72-216, 2008–2010) link	6
	6	MATERIALE SI TEHONOLOGII PERFORMANTE DESTINATE REALIZARII CUTITELOR DE FREZA PENTRU ASFALT – MATFREZ (Contract PN II Nr. 188, 2012–2015) link	6
	7	FORMAREA PRIN PULVERIZARE A ELECTROZILOR COMPOZITI, UTILIZATI PENTRU DEPUNERI DURE SI	6

		SUDARE IN PUNCTE –PULVER (Contract PN II Nr. 57, 2007–2009) link	
2.6. Coordonare/ dezvoltare laborator/ centru cercetare (dacă este și didactic, unctajul se cuantifică o singura data)	**Responsabil**	**40**	0
		TOTAL A2	**669.52**

A3. Recunoașterea și impactul activității			
3.1. Vizibilitate in baze de date internationale	**3.1.1. citari in articole indexate ISI**		**10/nr.autori articol citat**
	1	Titlu citat: THE INFLUENCE OF POWDERS CLADDED WITH ELECTRIC CHARGES UPON THE ADHERENCE OF THE LAYERS THAT ARE DEPOSITED BY METALLIZATION Issn citat: 15822214 Titlu: Research about relation between the microstructures and mechanical properties of metal coating layers Issn citeaza: 10120394 An Aparitie: 2013 Nr Autori: 3 https://www.scientific.net/SSP.216.169	3.33
	2	Titlu citat: THE INFLUENCE OF POWDERS CLADDED WITH ELECTRIC CHARGES UPON THE ADHERENCE OF THE LAYERS THAT ARE DEPOSITED BY METALLIZATION Issn citat: 15822214 Titlu: Vibration influence on polycrystalline structure and internal friction of the material deposited by welding joam Issn citeaza: 14544164 Isbn citeaza: 00000000 An Aparitie: 2013 Nr Autori: 3 link	3.33
	3	Titlu citat: Photocatalytic coatings via thermal spraying: a mini-review Issn citat: 23720484 Titlu: On Electrical Discharge Machining of Non-Conductive Ceramics: A Review Revista: Technologies Issn citeaza: 22277080 Isbn citeaza: 22277080 An Aparitie: 2019 Nr Autori: 4 https://www.mdpi.com/2227-7080/7/3/55	2.50

	4	Titlu citat: Characterization of Physically Crosslinked Ionic Liquid-lignocellulose Hydrogels Issn citat: 19302126 Titlu: Processing and valorization of cellulose, lignin and lignocellulose using ionic liquids Revista: Journal of Bioresources and Bioproducts Issn citeaza: 23699698 Isbn citeaza: 23699698 An Aparitie: 2020 Nr Autori: 4 https://www.sciencedirect.com/science/article/pii/S2369969820300591	2.50
	5	Titlu citat: Surface properties of thermally treated composite wood panels Issn citat: 01694332 Titlu: Properties of common tropical hardwoods for fretboard of string instruments Revista: Journal of Wood Science volume Issn citeaza: 16114663 Isbn citeaza: 16114663 An Aparitie: 2020 Nr Autori: 9 link	1.11
	6	Titlu citat: Surface properties of thermally treated composite wood panels Issn citat: 01694332 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.) Revista: Polymers Issn citeaza: 20734360 Isbn citeaza: 20734360 An Aparitie: 2019 Nr Autori: 9 https://www.mdpi.com/2073-4360/11/9/1414	1.11
	7	Titlu citat: Surface properties of thermally treated composite wood panels Issn citat: 01694332 Titlu: Effects of zinc chloride–silicone oil treatment on wood dimensional stability, chemical components, thermal decomposition and its mechanism Revista: Scientific Reports Issn citeaza: 20452322 Isbn citeaza: 20452322 An Aparitie: 2019 Nr Autori: 9 https://www.nature.com/articles/s41598-018-38317-5	1.11
	8	Titlu citat: Surface properties of thermally treated composite wood panels Issn citat: 01694332 Titlu: Novel engineered scrimber with outstanding dimensional stability from finely fluffed poplar veneers Revista: Measurement Issn citeaza: 02632241 Isbn citeaza: 02632241 An Aparitie: 2018 Nr Autori: 9 https://www.sciencedirect.com/science/article/pii/S0263224118303324	1.11
	9	Titlu citat: Surface properties of thermally treated composite wood panels Issn citat: 01694332 Titlu: Preparation, Test, and Analysis of a Novel Aluminosilicate-Based Antimildew Agent Applied on the	1.11

		Microporous Structure of Wood Revista: ACS Omega Issn citeaza: 24701343 Isbn citeaza: 24701343 An Aparitie: 2020 Nr Autori: 9 https://pubs.acs.org/doi/abs/10.1021/acsomega.0c00357	
	10	Titlu citat: Surface properties of thermally treated composite wood panels Issn citat: 01694332 Titlu: Sustainable panels based on starch bioadhesives: An insight into structural and tribological performance Revista: International Journal of Biological Macromolecules Issn citeaza: 0141-8130 Isbn citeaza: 0141-8130 An Aparitie: 2020 Nr Autori: 9 https://www.sciencedirect.com/science/article/pii/S0141813019392165	1.11
	11	Titlu citat: Surface properties of thermally treated composite wood panels Issn citat: 01694332 Titlu: Sustainable panels based on starch bioadhesives: An insight into structural and tribological performance Revista: International Journal of Biological Macromolecules Issn citeaza: 19302126 Isbn citeaza: 19302126 An Aparitie: 2020 Nr Autori: 9 link	1.11
	12	Titlu citat: Dissimilar laser welding of AISI 321 and AISI 1010 Issn citat: 13303651 Titlu: Experimental investigation on CO2 laser butt welding of AISI 304 stainless steel and mild steel thin sheets Revista: Optics & Laser Technology Issn citeaza: 00303992 Isbn citeaza: 00303992 An Aparitie: 2019 Nr Autori: 6 https://www.sciencedirect.com/science/article/pii/S0030399218319856	1.66
	13	Titlu citat: Wood-plastic composites based on HDPE and ionic liquid additives Issn citat: 15734803 Titlu: Reusing, recycling and up-cycling of biomass: A review of practical and kinetic modelling approaches Revista: Fuel Processing Technology Issn citeaza: 03783820 Isbn citeaza: 03783820 An Aparitie: 2019 Nr Autori: 6 https://www.sciencedirect.com/science/article/pii/S0378382018318174	1.66
	14	Titlu citat: Wood-plastic composites based on HDPE and ionic liquid additives Issn citat: 15734803 Titlu: Ionic Liquid–Polymer Composites: A New Platform for Multifunctional Applications Revista: Advanced	1.66

		Functional Materials Issn citeaza: 16163028 Isbn citeaza: 16163028 An Aparitie: 2020 Nr Autori: 6 https://onlinelibrary.wiley.com/doi/abs/10.1002/adfm.201909736	
	15	Titlu citat: Wood-plastic composites based on HDPE and ionic liquid additives Issn citat: 15734803 Titlu: Influence of eco-friendly pretreatment of lignocellulosic biomass using ionic liquids on the interface adhesion and characteristics of polymer composite boards Revista: Journal of Composite Materials Issn citeaza: 00219983 Isbn citeaza: 00219983 An Aparitie: 2020 Nr Autori: 6 https://journals.sagepub.com/doi/abs/10.1177/0021998320918345	1.66
	16	Titlu citat: Wood-plastic composites based on HDPE and ionic liquid additives Issn citat: 15734803 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 citeaza: 15882926 Isbn citeaza: 15882926 An Aparitie: 2020 Nr Autori: 6 link	1.66
	17	Titlu citat: Wood-plastic composites based on HDPE and ionic liquid additives Issn citat: 15734803 Titlu: Effect of immidazoliumbased green solvents on the moisture absorption and thickness swelling behavior of wood flour/ polyethylene composites Revista: Journal of Thermoplastic Composite Materials Issn citeaza: 08927057 Isbn citeaza: 08927057 An Aparitie: 2020 Nr Autori: 6 https://journals.sagepub.com/doi/abs/10.1177/0892705720962170	1.66
	18	Titlu citat: Calcium carbonate and wood reinforced hybrid PVC composites Issn citat: 10974628 Titlu: Green flotation of polyethylene terephthalate and polyvinyl chloride assisted by surface modification of selective CaCO3 coating Revista: Journal of Cleaner Production Issn citeaza: 09596526 Isbn citeaza: 09596526 An Aparitie: 2020 Nr Autori: 8 https://www.sciencedirect.com/science/article/pii/S0959652619333116	1.66
	19	Titlu citat: Calcium carbonate and wood reinforced hybrid PVC composites Issn citat: 10974628 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	1.25

		citeaza: 1359835X Isbn citeaza: 1359835X An Aparitie: 2020 Nr Autori: 8 https://www.sciencedirect.com/science/article/pii/S1359835X20301408	
	20	Titlu citat: Calcium carbonate and wood reinforced hybrid PVC composites Issn citat: 00218995 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 citeaza: 22387854 Isbn citeaza: 0 An Aparitie: 2020 Nr Autori: 8 https://www.sciencedirect.com/science/article/pii/S223878542031721X	1.25
	21	Titlu citat: Calcium carbonate and wood reinforced hybrid PVC composites Issn citat: 00218995 Titlu: Mechanical enhancement of ripples and dimples in CaCO3/low-density unsaturated polyester resin composites Revista: MATERIALS RESEARCH EXPRESS Issn citeaza: 20531591 Isbn citeaza: 0 An Aparitie: 2020 Nr Autori: 8 https://iopscience.iop.org/article/10.1088/2053-1591/ab977b	1.25
	22	Titlu citat: Calcium carbonate and wood reinforced hybrid PVC composites Issn citat: 00218995 Titlu: Impurity-free amorphous calcium carbonate, a preferential material for pharmaceutical and medical applications Revista: EUROPEAN JOURNAL OF MINERALOGY Issn citeaza: 09351221 Isbn citeaza: 0 An Aparitie: 2019 Nr Autori: 8 link	1.25
	23	Titlu citat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications Issn citat: 20734360 Titlu: Selective Vapor Permeation Behavior of Crosslinked PAMPS Membranes Revista: Polymers Issn citeaza: 20734360 Isbn citeaza: 0 An Aparitie: 2020 Nr Autori: 6 https://www.mdpi.com/2073-4360/12/4/987	1.66
	24	Titlu citat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications Issn citat: 20734360 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 Revista: JOURNAL OF POLYMERS AND THE ENVIRONMENT Issn citeaza: 15662543 Isbn	1.66

		citeaza: 0 An Aparitie: 2020 Nr Autori: 6 link	
	25	Titlu citat: Pulsed Laser Cladding of Ni Based Powder Issn citat: 17578981 Titlu: Laser cladding of nanoparticle TiC ceramic powder: Effects of process parameters on the quality characteristics of the coatings and its prediction model Revista: Optics and Laser Technology issnciteaza Issn citeaza: 00303992 Isbn citeaza: 0 An Aparitie: 2019 Nr Autori:5 https://www.sciencedirect.com/science/article/pii/S0030399219301914	2
	26	Titlu citat: Dual Coating Laser Cladding of NiCrBSi and Inconel 718 Issn citat: 10426914 Titlu: Experimental and Taguchi-Based Grey Approach of Laser Metal Deposition Technique on Nickel-Based Superalloy Revista: Transactions of the Indian Institute of Metals Issn citeaza: 09722815 Isbn citeaza: 0 An Aparitie: 2019 Nr Autori: 7 link	1.43
	27	Titlu citat: Dual Coating Laser Cladding of NiCrBSi and Inconel 718 Issn citat: 10426914 Titlu: Effect of Chemical Composition on Hard Deposits Properties in the Case of Weld Refurbishment of Heavy Crushing Hammers Revista de Chimie Issn citeaza: 00347752 Isbn citeaza: 0 An Aparitie: 2019 Nr Autori: 7 link	1.43
	28	Titlu citat: Calcium carbonate and wood reinforced hybrid PVC composites Issn citat: 10974628 Titlu: Formulation and characterization of new ternary stable composites: Polyvinyl chloride-wood flourcalcium carbonate of promising physicochemical properties Revista: JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T Issn citeaza: 22387854 Isbn citeaza: 22387854 An Aparitie: 2020 Nr Autori: 8 https://www.sciencedirect.com/science/article/pii/S223878542031721X	1.25
	29	Titlu citat: Wettability and Surface Roughness Analysis of Laser Surface Texturing of AISI 430 Stainless Steel Titlu: Assessment of Surface Treatment Degree of Steel Sheets in the Bonding Process Dată:2022	1.11

		Nr Autori: 9 https://www.mdpi.com/1996-1944/15/15/5158	
	30	Titlu citat: Wettability and Surface Roughness Analysis of Laser Surface Texturing of AISI 430 Stainless Steel Titlu: Effect of Different Laser Groove Texture Collation Frequency on Tribological Properties of 0Cr17Ni7Al Stainless Steel Dată:2022 Nr Autori: 9 https://www.mdpi.com/1996-1944/15/13/4419	1.11
	31	Titlu citat: Influence of the Laser Cladding Parameters on the Morphology, Wear and Corrosion Resistance of WC-Co/NiCrBSi Composite Coatings Titlu: Research Progress on Laser Cladding Alloying and Composite Processing of Steel Materials Dată:2022 Nr Autori: 7 https://www.mdpi.com/2075-4701/12/12/2055	1.43
	32	Titlu citat: Influence of the Laser Cladding Parameters on the Morphology, Wear and Corrosion Resistance of WC-Co/NiCrBSi Composite Coatings Titlu: Microstructure and Properties of WC/Ni-Based Laser-Clad Coatings with Different WC Content Values Dată:2022 Nr Autori: 7 https://www.mdpi.com/1996-1944/15/18/6309	1.43
	33	Titlu citat: Influence of the Laser Cladding Parameters on the Morphology, Wear and Corrosion Resistance of WC-Co/NiCrBSi Composite Coatings Titlu: Comparative Reliability Analysis of Milling Teeth Manufactured by Conventional Cutting Processes and Laser Cladding Dată:2022 Nr Autori: 7 https://www.mdpi.com/2076-3417/12/14/7133	1.43
	34	Titlu citat: Influence of the Laser Cladding Parameters on the Morphology, Wear and Corrosion Resistance of WC-Co/NiCrBSi Composite Coatings Titlu: Investigations of Cavitation Erosion and Corrosion Behavior of Flame-Sprayed NiCrBSi/WC-12Co Composite Coatings Dată:2022 Nr Autori: 7 https://www.mdpi.com/1996-1944/15/8/2943	1.43
	35	Titlu citat: Ionic Liquids as Antifungal Agents for Wood Preservation Titlu: Antifungal Agents in Wood Protection—A Review Dată:2022 Nr Autori: 2	5.00

		https://www.mdpi.com/1420-3049/27/19/6392	
	36	Titlu citat: Ionic Liquids as Antifungal Agents for Wood Preservation Titlu: Inhibitor formation and detoxification during lignocellulose biorefinery: A review Dată:2022 Nr Autori: 2 https://www.sciencedirect.com/science/article/abs/pii/S0960852422009956	5.00
	37	Titlu citat: Ionic Liquids as Antifungal Agents for Wood Preservation Titlu: Phosphonium-based ionic liquids as antifungal agents for conservation of heritage sandstone Dată:2022 Nr Autori: 2 https://pubs.rsc.org/en/content/articlelanding/2022/RA/D1RA09169G	5.00
	38	Titlu citat: Ionic Liquids as Antifungal Agents for Wood Preservation Titlu: Anticancer potential and through study of the cytotoxicity mechanism of ionic liquids that are based on the trifluoromethanesulfonate and bis(trifluoromethylsulfonyl)imide anions Dată:2022 Nr Autori: 2 link	5.00
	39	Titlu citat: Ionic Liquids as Antifungal Agents for Wood Preservation Titlu: Ionic Liquids—A Review of Their Toxicity to Living Organisms Dată:2021 Nr Autori: 2 https://www.mdpi.com/1422-0067/22/11/5612	5.00
	40	Titlu citat: Diffusion and Controlled Release in Physically Crosslinked Poly (Vinyl Alcohol)/Iota-Carrageenan Hydrogel Blends Titlu: Highly Efficient Adsorption of Tetracycline Using Chitosan-Based Magnetic Adsorbent Dată:2022 Nr Autori: 4 https://www.mdpi.com/2073-4360/14/22/4854	2.50
	41	Titlu citat: Diffusion and Controlled Release in Physically Crosslinked Poly (Vinyl Alcohol)/Iota-Carrageenan Hydrogel Blends Titlu: Study of Conductive Hydrogels Based on Xanthan and PEDOT PSS Using Raman Spectroscopy Dată:2022 Nr Autori: 4 https://link.springer.com/article/10.1134/S263516762203003X	2.50
	42	Titlu citat: Diffusion and Controlled Release in Physically Crosslinked Poly (Vinyl Alcohol)/Iota-	2.50

		Carrageenan Hydrogel Blends Titlu: Carrageenan-Based Hybrids with Biopolymers and Nano-Structured Materials for Biomimetic Applications Dată:2022 Nr Autori: 4 https://onlinelibrary.wiley.com/doi/abs/10.1002/star.202200018	
	43	Titlu citat: Diffusion and Controlled Release in Physically Crosslinked Poly (Vinyl Alcohol)/Iota-Carrageenan Hydrogel Blends Titlu: Facile asymmetric modification of graphene nanosheets using ?-carrageenan as a green template Dată:2022 Nr Autori: 4 https://www.sciencedirect.com/science/article/abs/pii/S0021979721014995	2.50
	44	Titlu citat: Diffusion and Controlled Release in Physically Crosslinked Poly (Vinyl Alcohol)/Iota-Carrageenan Hydrogel Blends Titlu: Poly(vinyl alcohol)/(hyaluronic acid-g-kappa-carrageenan) hydrogel as antibiotic-releasing wound dressing Dată:2021 Nr Autori: 4 https://link.springer.com/article/10.1007/s11696-021-01824-3	2.50
	45	Titlu citat: Diffusion and Controlled Release in Physically Crosslinked Poly (Vinyl Alcohol)/Iota-Carrageenan Hydrogel Blends Titlu: Locust bean gum-polyvinyl alcohol hydrogels: Synthesis, characterization, swelling behaviors, and mathematical models Dată:2021 Nr Autori: 4 https://onlinelibrary.wiley.com/doi/abs/10.1002/app.51498	2.50
	46	Titlu citat: Chemical and Mechanical Characterization of AISI 304 and AISI 1010 Laser Welding Issn citat: 10246914 Titlu: Microstructure and Low-Temperature Mechanical Properties of 304 Stainless Steel Joints by PAW plus GTAW Combined Welding Issn citeaza: 15441024 Isbn citeaza: 15441024 An Aparitie: 2016 Nr Autori: 6 link	1.66
	47	Titlu citat: Diffusion and Controlled Release in Physically Crosslinked Poly (Vinyl Alcohol)/Iota-Carrageenan Hydrogel Blends Titlu: Recent Advances in Chemically-Modified and Hybrid Carrageenan-Based Platforms for Drug Delivery, Wound Healing, and Tissue Engineering Dată:2021 Nr Autori: 4 https://www.mdpi.com/2073-4360/13/11/1744	2.50

	48	Titlu citat: Diffusion and Controlled Release in Physically Crosslinked Poly (Vinyl Alcohol)/Iota-Carrageenan Hydrogel Blends Titlu: Adhesive, transparent, stretchable, and strain-sensitive hydrogel as flexible strain sensor Dată:2021 Nr Autori: 4 https://www.sciencedirect.com/science/article/abs/pii/S2452213921001091	2.50
	49	Titlu citat: Diffusion and Controlled Release in Physically Crosslinked Poly (Vinyl Alcohol)/Iota-Carrageenan Hydrogel Blends Titlu: Thermal degradation and drug sorption in hybrid interpolyelectrolyte particles Dată:2021 Nr Autori: 4 https://www.sciencedirect.com/science/article/abs/pii/S0927775720314874	2.50
	50	Titlu citat: Characterization of Physically Crosslinked Ionic Liquid-lignocellulose Hydrogels Issn citat: 19302126 Titlu: Understanding the in-situ state of lignocellulosic biomass during ionic liquidsbased engineering of renewable materials and chemicals Revista: Green Chemistry Issn citeaza: 14639270 Isbn citeaza: 14639270 An Aparitie: 2020 Nr Autori: 4 link	2.50
	51	Titlu citat: Diffusion and Controlled Release in Physically Crosslinked Poly (Vinyl Alcohol)/Iota-Carrageenan Hydrogel Blends Titlu: A long-term controlled drug-delivery with anionic beta cyclodextrin complex in layer-by-layer coating for percutaneous implants devices Dată:2021 Nr Autori: 4 https://www.sciencedirect.com/science/article/abs/pii/S014486172031777X	2.50
	52	Titlu citat: Surface engineering of Ni-Al coatings through concentrated solar heat treatment Titlu: MnO2–NiO–MWCNTs nanocomposite as a catalyst for methanol and ethanol electrooxidation Dată:2022 Nr Autori: 9 https://iopscience.iop.org/article/10.1088/1361-6463/ac7619	1.11
	53	Titlu citat: Surface engineering of Ni-Al coatings through concentrated solar heat treatment Titlu: Concentrated solar power used in preparation of Ti – B4C composites Dată:2021 Nr Autori: 9 https://www.sciencedirect.com/science/article/abs/pii/S2214785320405668	1.11

	54	Titlu citat: Surface engineering of Ni-Al coatings through concentrated solar heat treatment Titlu: Ni-Al nanocomposite coating electrodeposited from deep eutectic solvent Dată:2021 Nr Autori: 9 https://www.sciencedirect.com/science/article/abs/pii/S0257897220312573	1.11
	55	Titlu citat: Photocatalytic coatings via thermal spraying: a mini-review Titlu: Preparation of Visible-Light Active Oxygen-Rich TiO2 Coatings Using Low Pressure Cold Spraying Dată:2022 Nr Autori: 4 https://www.mdpi.com/2079-6412/12/4/475	2.50
	56	Titlu citat: Photocatalytic coatings via thermal spraying: a mini-review Titlu: Suppression of Airway Allergic Reactions by a Photocatalytic Filter Using Mouse Model Dată:2022 Nr Autori: 4 https://www.mdpi.com/2305-6304/10/1/40	2.50
	57	Titlu citat: Photocatalytic coatings via thermal spraying: a mini-review Titlu: Photocatalytic TiO2-based coatings for environmental applications Dată:2021 Nr Autori: 4 https://www.sciencedirect.com/science/article/abs/pii/S0920586121001899	2.50
	58	Titlu citat: Pulsed Laser Cladding of NiCrBSiFeC Hardcoatings Using Single-Walled Carbon Nanotube Additives Titlu: Recent advancements in nanocomposite coating manufactured by laser cladding and alloying Technique: A critical review Dată:2022 Nr Autori: 8 https://www.sciencedirect.com/science/article/abs/pii/S2214785322001043	1.25
	59	Titlu citat: Photocatalytic surfaces obtained through one-step thermal spraying of titanium Titlu: Visible-light photoactive thermally sprayed coatings deposited from spray-dried (Na0.5Bi0.5)TiO3 microspheres Dată:2021 Nr Autori: 7 https://www.sciencedirect.com/science/article/abs/pii/S0257897221010252	1.43
	60	Titlu citat: Photocatalytic surfaces obtained through one-step thermal spraying of titanium Titlu: Effect of double thermal and electrochemical oxidation on titanium alloys for medical applications Dată:2021 Nr Autori: 7 https://www.sciencedirect.com/science/article/pii/S0169433221014148	1.43

	61	Titlu citat: Photocatalytic surfaces obtained through one-step thermal spraying of titanium 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 Dată:2021 Nr Autori: 7 https://www.sciencedirect.com/science/article/abs/pii/S0927775720313923	1.43
	62	Titlu citat: Diffusion and Controlled Release in Physically Crosslinked Poly (Vinyl Alcohol)/Iota-Carrageenan Hydrogel Blends Titlu: Quantitative measurement of trace amoxicillin using SERS under the conditions of controlled agglomeration of silver nanoparticles Dată:2022 Nr Autori: 4 https://www.sciencedirect.com/science/article/abs/pii/S0924203122000558	2.50
	63	Titlu citat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications Titlu: Development and Preclinical Investigation of Physically Cross-Linked and pH-Sensitive Polymeric Gels as Potential Vaginal Contraceptives Dată:2022 Nr Autori: 6 https://www.mdpi.com/2073-4360/14/9/1728	1.66
	64	Titlu citat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications Titlu: Sustainable Microbial and Heavy Metal Reduction in Water Purification Systems Based on PVA/IC Nanofiber Membrane Doped with PANI/GO Dată:2022 Nr Autori: 6 https://www.mdpi.com/2073-4360/14/8/1558	1.66
	65	Titlu citat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications Titlu: Biomechanical behaviour of PEDOT:PSS-based hydrogels as an electrode for stent integrated enzyme biofuel cells Dată:2022 Nr Autori: 6 https://www.sciencedirect.com/science/article/pii/S2405844022005060	1.66
	66	Titlu citat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications Titlu: Evaluation of kappa carrageenan and gelatin based sponges for dental applications Dată:2022 Nr Autori: 6	1.66

		https://link.springer.com/article/10.1007/s11696-022-02149-5	
	67	Titlu citat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications Titlu: A freeze–thaw PVA hydrogel loaded with guava leaf extract: physical and antibacterial properties Dată:2021 Nr Autori: 6 https://pubs.rsc.org/en/content/articlelanding/2021/RA/D1RA04092H	1.66
	68	Titlu citat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications Titlu: Poly(vinyl alcohol)/(hyaluronic acid-g-kappa-carrageenan) hydrogel as antibiotic-releasing wound dressing Dată:2021 Nr Autori: 6 https://link.springer.com/article/10.1007/s11696-021-01824-3	1.66
	69	Titlu citat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications Titlu: Preparation and Physicochemical Characterization of a Diclofenac Sodium-Dual Layer Polyvinyl Alcohol Patch Dată:2021 Nr Autori: 6 https://www.mdpi.com/2073-4360/13/15/2459	1.66
	70	Titlu citat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications Titlu: Augmentative molecular aspect for phase inversion of vancomycin hydrochloride-loaded fatty acid in situ forming matrices Dată:2021 Nr Autori: 6 https://www.sciencedirect.com/science/article/pii/S0264127520309655	1.66
	71	Titlu citat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications Titlu: ?-carrageenan/Na-alginate wound dressing with sustainable drug delivery properties Dată:2021 Nr Autori: 6 https://onlinelibrary.wiley.com/doi/abs/10.1002/pat.5218	1.66
	72	Titlu citat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications Titlu: Physically cross-linked chitosan-based hydrogels for tissue engineering applications: A state-of-the-art review Dată:2021 Nr Autori: 6	1.66

		https://www.sciencedirect.com/science/article/abs/pii/S0014305720318917	
	73	Titlu citat: Calcium carbonate and wood reinforced hybrid PVC composites Titlu: Investigation of dielectric properties and conductivity of polyvinyl chloride composites by terahertz time-domain spectroscopy Dată:2024 Nr Autori: 8 https://www.sciencedirect.com/science/article/pii/S0142941824001235	1.25
	74	Titlu citat: Calcium carbonate and wood reinforced hybrid PVC composites Titlu: Hydroxyapatite-lignin hybrid systems as improved poly(vinyl chloride) fillers: From preparation to application Dată:2024 Nr Autori: 8 https://www.sciencedirect.com/science/article/pii/S0141813024019950	1.25
	75	Titlu citat: Calcium carbonate and wood reinforced hybrid PVC composites Titlu: Exploring the synergistic effect of inorganic and organic particulates in polyvinyl chloride composites through comparative analysis and accelerated weathering Dată:2024 Nr Autori: 8 https://4spepublications.onlinelibrary.wiley.com/doi/full/10.1002/vnl.22061	1.25
	76	Titlu citat: Calcium carbonate and wood reinforced hybrid PVC composites Titlu: Formulation optimization and performance enhancement of polyvinyl chloride-silica micropowder composites with a promising flooring application Dată:2023 Nr Autori: 8 https://www.sciencedirect.com/science/article/pii/S2238785423022949	1.25
	77	Titlu citat: Calcium carbonate and wood reinforced hybrid PVC composites Titlu: A comparative assessment of the use of suitable analytical techniques to evaluate plasticizer compatibility Dată:2023 Nr Autori: 8 https://onlinelibrary.wiley.com/doi/full/10.1002/app.54104	1.25
	78	Titlu citat: Calcium carbonate and wood reinforced hybrid PVC composites Titlu: Effect of calcium carbonate particle size and content on the thermal properties of PVC foamed layer used for coated textiles Dată:2023 Nr Autori: 8	1.25

		https://journals.tubitak.gov.tr/chem/vol47/iss1/5/	
	79	Titlu citat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications Titlu: Evaluation of Conductive Porous Biobased Composites with Tunable Mechanical Properties for Potential Biological Applications Dată:2024 Nr Autori: 6 https://pubs.acs.org/doi/full/10.1021/acsomega.4c04391	1.66
	80	Titlu citat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications Titlu: Development and Characterization of Tannic Acid-Modified PVA-?Carrageenan Gel for Sustained Release of Lidocaine Dată:2024 Nr Autori: 6 https://chemistry-europe.onlinelibrary.wiley.com/doi/10.1002/slct.202400387	1.66
	81	Titlu citat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications Titlu: Synergistic effects of starch and carrageenan from Kappaphycus alvarezii in composite film formation: Physicochemical and degradable properties Dată:2024 Nr Autori: 6 https://www.sciencedirect.com/science/article/pii/S0141813024060112	1.66
	82	Titlu citat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications Titlu: Preparation & characterization of polyvinyl alcohol/thymol blue composites gel and films for low radiation dosimetry Dată:2024 Nr Autori: 6 https://www.sciencedirect.com/science/article/pii/S1687850724002875	1.66
	83	Titlu citat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications Titlu: Preparation of a bigel system based on k-carrageenan hydrogel and beeswax oleogel and the effect of starch on the bigel properties Dată:2024 Nr Autori: 6 https://www.sciencedirect.com/science/article/pii/S0023643824007953	1.66
	84	Titlu citat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications Titlu: Design of magnetic kappa-carrageenan-collagen bioinks for 3D bioprinting Dată:2024 Nr Autori: 6	1.66

		https://link.springer.com/article/10.1007/s10853-024-10021-y	
	85	Titlu citat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications Titlu: Electrospun silver chloride-loaded PVA nanofibers as a potential antibacterial and electroconductive scaffold for the management of wound infection and healing Dată:2024 Nr Autori: 6 https://link.springer.com/article/10.1007/s00289-024-05405-8	1.66
	86	Titlu citat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications Titlu: Improved Extraction of Crocin and Comprehensive Evaluation of its Physicochemical, Biological, and Functional Properties Dată:2024 Nr Autori: 6 https://www.sciencedirect.com/science/article/pii/S0026265X24011627	1.66
	87	Titlu citat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications Titlu: Biodegradation of Seaweed-based Bioplastics Using Deep-sea Marine Bacterial Consortia Dată:2024 Nr Autori: 6 https://link.springer.com/article/10.1007/s41208-024-00736-9	1.66
	88	Titlu citat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications Titlu: Influence of Ageing Time of Starch Gels Prior to Freeze-Thaw Cycles on the Properties of Pinhao Starch Hydrogel (Araucaria angustifolia) Dată:2024 Nr Autori: 6 https://onlinelibrary.wiley.com/doi/full/10.1002/star.202300277	1.66
	89	Titlu citat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications Titlu: On the influence of graphene oxide and hydroxyapatite modification on alginate-based hydrogel matrix: thermal, physicochemical, and biological considerations Dată:2024 Nr Autori: 6 https://link.springer.com/article/10.1007/s10973-024-13229-x	1.66
	90	Titlu citat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications Titlu: Tranexamic acid loaded in a physically crosslinked trilaminate dressing for local hemorrhage control: Preparation, characterization, and in-vivo assessment using two different animal	1.66

		models Dată:2024 Nr Autori: 6 https://www.sciencedirect.com/science/article/pii/S0378517324004538	
	91	Titlu citat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications Titlu: k-Carrageenan Hydrogels as a Sustainable Alternative for Controlled Release of New Biodegradable Molecules with Antimicrobial Activities Dată:2024 Nr Autori: 6 https://link.springer.com/article/10.1007/s10924-024-03189-6	1.66
	92	Titlu citat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications Titlu: k-Carrageenan/sericin polymer matrix modified with different crosslinking agents and thermal crosslinking: Improved release profile of mefenamic acid Dată:2024 Nr Autori: 6 https://www.sciencedirect.com/science/article/pii/S0141813024006263	1.66
	93	Titlu citat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications Titlu: Zinc/aluminum-layered double hydroxide-gallic acid doped carboxymethyl cellulose nanocomposite films for wound healing Dată:2024 Nr Autori: 6 https://www.sciencedirect.com/science/article/pii/S0141813024003593	1.66
	94	Titlu citat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications Titlu: Accelerated in-vivo infected dermal wound healing with antimicrobial Bio-nanocomposite hydrogel Dată:2024 Nr Autori: 6 https://www.sciencedirect.com/science/article/pii/S1110016823011511	1.66
	95	Titlu citat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications Titlu: Design of self-healable and recyclable multi-network hydrogels for efficient and selective removal of cationic dyes Dată:2023 Nr Autori: 6 https://www.sciencedirect.com/science/article/pii/S0014305723006705	1.66
	96	Titlu citat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications Titlu: Preparation of 3D printable polyvinyl alcohol based conductive hydrogels via	1.66

		incorporating k-carrageenan for flexible strain sensors Dată:2023 Nr Autori: 6 https://www.sciencedirect.com/science/article/pii/S0927775723012256	
	97	Titlu citat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications Titlu: Development and characterization of crosslinked k-carrageenan/sericin blend with covalent agents or thermal crosslink for indomethacin extended release Dată:2023 Nr Autori: 6 https://www.sciencedirect.com/science/article/pii/S0141813023024522	1.66
	98	Titlu citat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications Titlu: Preparation and Properties of Physical Gel on Medical Titanium Alloy Surface Dată:2023 Nr Autori: 6 https://www.mdpi.com/2310-2861/9/7/558	1.66
	99	Titlu citat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications Titlu: k-Carrageenan/sericin-based multiparticulate systems: A novel gastro-resistant polymer matrix for indomethacin delivery Dată:2023 Nr Autori: 6 https://www.sciencedirect.com/science/article/pii/S0141813023002672	1.66
	100	Titlu citat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications Titlu: Self-extinguished and flexible cation exchange membranes based on modified K-Carrageenan/PVA double network hydrogels for electrochemical applications Dată:2023 Nr Autori: 6 https://www.sciencedirect.com/science/article/pii/S0141813023001290	1.66
	101	Titlu citat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications Titlu: Modulation of poly (acrylic acid) hydrogels with ?-carrageenan for high-performance quasi-solid Al-air batteries Dată:2023 Nr Autori: 6 https://www.sciencedirect.com/science/article/pii/S014181302202952X	1.66
	102	Titlu citat: Surface properties of thermally treated composite wood panels Titlu: Study of the effect of heat temperature on the chemical changes and hygroscopicity of eucalyptus wood by FT-IR and	1.11

		prediction of mechanical properties by the MLR regression method Dată:2024 Nr Autori: 9 https://www.sciencedirect.com/science/article/pii/S138614252400742X	
	103	Titlu citat: Surface properties of thermally treated composite wood panels Titlu: Use of Spinning Rollers for Surface Densification of Wood Dată:2024 Nr Autori: 9 link	1.11
	104	Titlu citat: Surface properties of thermally treated composite wood panels Titlu: Glued-bamboo composite based on a highly cross-linked cellulose-based adhesive and an epoxy functionalized bamboo surface Dată:2024 Nr Autori: 9 https://www.sciencedirect.com/science/article/pii/S0141813024033051	1.11
	105	Titlu citat: Surface properties of thermally treated composite wood panels Titlu: Super-stable modified wood for enhanced autonomous indoor humidity regulation Dată:2024 Nr Autori: 9 https://www.sciencedirect.com/science/article/pii/S1385894724023015	1.11
	106	Titlu citat: Surface properties of thermally treated composite wood panels Titlu: Unveiling optimal wetting additives for extinguishing wood fires: Insights from molecular simulation and experimental investigations Dată:2024 Nr Autori: 9 https://www.sciencedirect.com/science/article/pii/S2468023023011677	1.11
	107	Titlu citat: Surface properties of thermally treated composite wood panels Titlu: Effects of the Surface Roughness of Six Wood Species for Furniture Production on the Wettability and Bonding Quality of Coating Dată:2023 Nr Autori: 9 https://www.mdpi.com/1999-4907/14/5/996	1.11
	108	Titlu citat: Surface properties of thermally treated composite wood panels Titlu: Thermal transformation of bamboo sawdust for its advanced cementitious composites Dată:2023 Nr Autori: 9 https://www.sciencedirect.com/science/article/pii/S095006182301108X	1.11

	109	Titlu citat: Surface properties of thermally treated composite wood panels Titlu: A novel two-step strategy to construct multifunctional superhydrophobic wood by liquid-vapor phase deposition of methyltrimethoxysilane for improving moisture resistance, anti-corrosion and mechanical strength Dată:2023 Nr Autori: 9 https://www.sciencedirect.com/science/article/pii/S0927775723003989	1.11
	110	Titlu citat: Surface properties of thermally treated composite wood panels Titlu: Cross-laminated strand veneer lumber mass timber panels from thermally modified strands Dată:2023 Nr Autori: 9 https://www.sciencedirect.com/science/article/pii/S0950061823000818	1.11
	111	Titlu citat: Surface properties of thermally treated composite wood panels Titlu: Identification of Tree Species and Extent of Material Deterioration of Wood Components in the Yangjia Courtyard Ancient Building Dată:2023 Nr Autori: 9 link	1.11
	112	Titlu citat: Surface properties of thermally treated composite wood panels Titlu: Improvement of the properties of hardboard with heat treatment application Dată:2023 Nr Autori: 9 https://www.scielo.br/j/rmat/a/7PSkdF7xvrCjYDHP64SQV6S/	1.11
	113	Titlu citat: Dual Coating Laser Cladding of NiCrBSi and Inconel 718 Titlu: Enhancement of Surface Hardness and Wear Resistance of Inconel 718 by Laser Material Deposition of Titanium and Inconel 718 Powders mixture Dată:2024 Nr Autori: 7 https://link.springer.com/article/10.1007/s11665-024-10200-7	1.43
	114	Titlu citat: Dual Coating Laser Cladding of NiCrBSi and Inconel 718 Titlu: Effect of alloy 625 buffer layer on corrosion resistance of nickel base hardfacing Dată:2024 Nr Autori: 7 https://www.sciencedirect.com/science/article/pii/S0257897224005243	1.43
	115	Titlu citat: Dual Coating Laser Cladding of NiCrBSi and Inconel 718 Titlu: A review on wear failure of hydraulic components: existing problems and possible solutions Dată:2024 Nr Autori: 7	1.43

		https://iopscience.iop.org/article/10.1088/2631-8695/ad299f	
	116	Titlu citat: Dual Coating Laser Cladding of NiCrBSi and Inconel 718 Titlu: Corrosion and wear behaviors of Inconel 718 nickel-based alloy by boroaluminizing Dată:2024 Nr Autori: 7 https://www.sciencedirect.com/science/article/pii/S0257897224001300	1.43
	117	Titlu citat: Dual Coating Laser Cladding of NiCrBSi and Inconel 718 Titlu: Surface modification by laser cladding: state-of-the-art and future prospects Dată:2024 Nr Autori: 7 link	1.43
	118	Titlu citat: Dual Coating Laser Cladding of NiCrBSi and Inconel 718 Titlu: Thermomechanical Process Simulation and Experimental Verification for Laser Additive Manufacturing of Inconel(R)718 Dată:2023 Nr Autori: 7 https://www.mdpi.com/1996-1944/16/7/2595	1.43
	119	Titlu citat: Diffusion and Controlled Release in Physically Crosslinked Poly (Vinyl Alcohol)/Iota-Carrageenan Hydrogel Blends Titlu: Poly(Vinyl Alcohol) Drug and PVA-Drug-Surfactant Complex Organogel with Dimethyl Sulfoxide as a Drug Delivery System Dată:2024 Nr Autori: 4 https://www.mdpi.com/2310-2861/10/11/753	2.50
	120	Titlu citat: Diffusion and Controlled Release in Physically Crosslinked Poly (Vinyl Alcohol)/Iota-Carrageenan Hydrogel Blends Titlu: Development of Polyvinyl Alcohol Hydrogels for Controlled Glucose Release in Biomedical Applications Dată:2024 Nr Autori: 4 https://www.mdpi.com/2310-2861/10/10/668	2.50
	121	Titlu citat: Diffusion and Controlled Release in Physically Crosslinked Poly (Vinyl Alcohol)/Iota-Carrageenan Hydrogel Blends Titlu: Development and Characterization of Tannic Acid-Modified PVA-?Carrageenan Gel for Sustained Release of Lidocaine Dată:2024 Nr Autori: 4 link	2.50

	122	Titlu citat: Diffusion and Controlled Release in Physically Crosslinked Poly (Vinyl Alcohol)/Iota-Carrageenan Hydrogel Blends Titlu: Tranexamic acid loaded in a physically crosslinked trilaminate dressing for local hemorrhage control: Preparation, characterization, and in-vivo assessment using two different animal models Dată:2024 Nr Autori: 4 https://www.sciencedirect.com/science/article/pii/S0378517324004538	2.50
	123	Titlu citat: Diffusion and Controlled Release in Physically Crosslinked Poly (Vinyl Alcohol)/Iota-Carrageenan Hydrogel Blends Titlu: Exploring carrageenan: From seaweed to biomedicine-A comprehensive review Dată:2024 Nr Autori: 4 https://www.sciencedirect.com/science/article/pii/S0141813024026278	2.50
	124	Titlu citat: Diffusion and Controlled Release in Physically Crosslinked Poly (Vinyl Alcohol)/Iota-Carrageenan Hydrogel Blends Titlu: ?-Carrageenan/sericin polymer matrix modified with different crosslinking agents and thermal crosslinking: Improved release profile of mefenamic acid Dată:2024 Nr Autori: 4 https://www.sciencedirect.com/science/article/pii/S0141813024006263	2.50
	125	Titlu citat: Diffusion and Controlled Release in Physically Crosslinked Poly (Vinyl Alcohol)/Iota-Carrageenan Hydrogel Blends Titlu: Modeling Tetracycline Adsorption onto Blast Furnace Slag Using Statistical and Machine Learning Approaches Dată:2024 Nr Autori: 4 https://www.mdpi.com/2071-1050/16/1/464	2.50
	126	Titlu citat: Diffusion and Controlled Release in Physically Crosslinked Poly (Vinyl Alcohol)/Iota-Carrageenan Hydrogel Blends Titlu: Kinetic assessment of iontophoretic delivery efficiency of niosomal tetracycline hydrochloride incorporated in electroconductive gel Dată:2024 Nr Autori: 4 https://link.springer.com/article/10.1007/s13346-023-01452-2	2.50
	127	Titlu citat: Diffusion and Controlled Release in Physically Crosslinked Poly (Vinyl Alcohol)/Iota-Carrageenan Hydrogel Blends Titlu: Electrically controlled transdermal drug release of ionic and non-ionic drug from kappa-iota carrageenan cryogel Dată:2023 Nr Autori: 4	2.50

		https://www.sciencedirect.com/science/article/pii/S0254058423010994	
	128	Titlu citat: Diffusion and Controlled Release in Physically Crosslinked Poly (Vinyl Alcohol)/Iota-Carrageenan Hydrogel Blends Titlu: Preparation and characterization of tannin-maltodextrin-polyvinyl alcohol hydrogel based on hydrogen bonding for wound healing Dată:2023 Nr Autori: 4 https://www.sciencedirect.com/science/article/pii/S1751616123002953	2.50
	129	Titlu citat: Diffusion and Controlled Release in Physically Crosslinked Poly (Vinyl Alcohol)/Iota-Carrageenan Hydrogel Blends Titlu: Sodium Alginate-Aldehyde Cellulose Nanocrystal Composite Hydrogel for Doxycycline and Other Tetracycline Removal Dată:2023 Nr Autori: 4 https://www.mdpi.com/2079-4991/13/7/1161	2.50
	130	Titlu citat: Diffusion and Controlled Release in Physically Crosslinked Poly (Vinyl Alcohol)/Iota-Carrageenan Hydrogel Blends Titlu: Voriconazole Eye Drops: Enhanced Solubility and Stability through Ternary Voriconazole/Sulfobutyl Ether ß-Cyclodextrin/Polyvinyl Alcohol Complexes Dată:2023 Nr Autori: 4 https://www.mdpi.com/1422-0067/24/3/2343	2.50
	131	Titlu citat: Diffusion and Controlled Release in Physically Crosslinked Poly (Vinyl Alcohol)/Iota-Carrageenan Hydrogel Blends Titlu: Cryo-Induced Cellulose-Based Nanogel from Elaeis guineensis for Antibiotic Delivery Platform Dată:2023 Nr Autori: 4 https://www.mdpi.com/1422-0067/24/2/1230	2.50
	132	Titlu citat: Diffusion and Controlled Release in Physically Crosslinked Poly (Vinyl Alcohol)/Iota-Carrageenan Hydrogel Blends Titlu: Two compartmental fractional derivative model with general fractional derivative Dată:2023 Nr Autori: 4 https://link.springer.com/article/10.1007/s10928-022-09834-8	2.50
	133	Titlu citat: Influence of the Laser Cladding Parameters on the Morphology, Wear and Corrosion Resistance of WC-Co/NiCrBSi Composite Coatings Titlu: High-temperature tribological properties of	1.43

		NiCr-Cr3C2 cermet coatings in fluoride molten salts Dată:2024 Nr Autori: 7 https://www.sciencedirect.com/science/article/pii/S0301679X24009022	
	134	Titlu citat: Influence of the Laser Cladding Parameters on the Morphology, Wear and Corrosion Resistance of WC-Co/NiCrBSi Composite Coatings Titlu: Numerical Investigation of the Effects of Process Parameters on Temperature Distribution and Cladding-Layer Height in Laser Cladding Dată:2024 Nr Autori: 7 https://www.mdpi.com/2079-6412/14/8/1020	1.43
	135	Titlu citat: Influence of the Laser Cladding Parameters on the Morphology, Wear and Corrosion Resistance of WC-Co/NiCrBSi Composite Coatings Titlu: High Temperature Corrosion Resistant and Anti-slagging Coatings for Boilers: A Review Dată:2024 Nr Autori: 7 https://link.springer.com/article/10.1007/s11085-024-10251-0	1.43
	136	Titlu citat: Influence of the Laser Cladding Parameters on the Morphology, Wear and Corrosion Resistance of WC-Co/NiCrBSi Composite Coatings Titlu: Effect of WC particle size on the microstructure and tribological properties of high-speed laser cladding Ni/WC composite coatings Dată:2024 Nr Autori: 7 https://www.sciencedirect.com/science/article/pii/S235249282401047X	1.43
	137	Titlu citat: Influence of the Laser Cladding Parameters on the Morphology, Wear and Corrosion Resistance of WC-Co/NiCrBSi Composite Coatings Titlu: Microstructure, hardness, and wear resistance at room and high temperature of Stellite-6/WC-6Co coatings deposited by laser cladding process Dată:2024 Nr Autori: 7 https://link.springer.com/article/10.1007/s00170-023-12881-1	1.43
	138	Titlu citat: Influence of the Laser Cladding Parameters on the Morphology, Wear and Corrosion Resistance of WC-Co/NiCrBSi Composite Coatings Titlu: Comparative Study of Corrosion Performance of LVOF-Sprayed Ni-Based Composite Coatings Produced Using Standard and Reducing Flame Spray Stoichiometry Dată:2024 Nr Autori: 7	1.43

		https://www.mdpi.com/1996-1944/17/2/458	
	139	Titlu citat: Influence of the Laser Cladding Parameters on the Morphology, Wear and Corrosion Resistance of WC-Co/NiCrBSi Composite Coatings Titlu: Synergistic effect of Ag and MoS2 on high-temperature tribology of self-lubricating NiCrBSi composite coatings by laser metal deposition Dată:2023 Nr Autori: 7 https://www.sciencedirect.com/science/article/pii/S0043164823004970	1.43
	140	Titlu citat: Influence of the Laser Cladding Parameters on the Morphology, Wear and Corrosion Resistance of WC-Co/NiCrBSi Composite Coatings Titlu: Effect of Magnetic Field Type on the Flight State of Supersonic Plasma Spray Particles and Coating Properties Dată:2023 Nr Autori: 7 https://link.springer.com/article/10.1007/s11666-023-01581-7	1.43
	141	Titlu citat: Influence of the Laser Cladding Parameters on the Morphology, Wear and Corrosion Resistance of WC-Co/NiCrBSi Composite Coatings Titlu: Laser Cladding of NiCrBSi/WC + W2C Composite Coatings Dată:2023 Nr Autori: 7 https://www.mdpi.com/2079-6412/13/3/576	1.43
	142	Titlu citat: Influence of the Laser Cladding Parameters on the Morphology, Wear and Corrosion Resistance of WC-Co/NiCrBSi Composite Coatings Titlu: Solid Particle Erosion Wear Characteristics of WC-Reinforced Ni-Based Coating Deposited by Oxy-Acetylene Flame Welding Dată:2023 Nr Autori: 7 https://link.springer.com/article/10.1007/s11666-023-01547-9	1.43
	143	Titlu citat: Influence of the Laser Cladding Parameters on the Morphology, Wear and Corrosion Resistance of WC-Co/NiCrBSi Composite Coatings Titlu: Structure and electrochemical behavior of atmospheric plasma sprayed Cr3C2-NiCr cermet composite coatings Dată:2023 Nr Autori: 7 https://www.sciencedirect.com/science/article/pii/S0263436823000057	1.43
	144	Titlu citat: Wood-plastic composites based on HDPE and ionic liquid additives Titlu: Wood Plastic Composite Based on Recycled High-Density Polyethylene and Wood Waste (Sawdust) Dată:2024 Nr	1.66

		Autori: 6 https://www.mdpi.com/2073-4360/16/22/3136	
	145	Titlu citat: Wood-plastic composites based on HDPE and ionic liquid additives Titlu: Evaluation of the processing conditions on the production of expanded or plasticized wood plastic composite with cashew nutshell powder Dată:2024 Nr Autori: 6 link	1.46
	146	Titlu citat: Wood-plastic composites based on HDPE and ionic liquid additives Titlu: Coupling effect of ionic liquids on the mechanical, thermal, and chemical properties of polymer composites: A succinct review Dată:2024 Nr Autori: 6 https://onlinelibrary.wiley.com/doi/full/10.1002/vjch.202300134	1.46
	147	Titlu citat: Wood-plastic composites based on HDPE and ionic liquid additives Titlu: Aging resistance under short time ultraviolet (UV) radiations of polymer wood composites entirely based on wastes Dată:2023 Nr Autori: 6 https://www.sciencedirect.com/science/article/pii/S2352186423002043	1.46
	148	Titlu citat: Wood-plastic composites based on HDPE and ionic liquid additives Titlu: Preliminary Investigation of High Density Polyethylene Reinforced with Spruce and Beech Fibers for Power Transmission Technologies Dată:2023 Nr Autori: 6 https://link.springer.com/article/10.1007/s10443-023-10125-9	1.46
	149	Titlu citat: Calcium carbonate and wood reinforced hybrid PVC composites Titlu: Investigation of dielectric properties and conductivity of polyvinyl chloride composites by terahertz time-domain spectroscopy Dată:2024 Nr Autori: 8 https://www.sciencedirect.com/science/article/pii/S0142941824001235	1.25
	150	Titlu citat: Calcium carbonate and wood reinforced hybrid PVC composites Titlu: Hydroxyapatite-lignin hybrid systems as improved poly(vinyl chloride) fillers: From preparation to application Dată:2024 Nr	1.25

		Autori: 8 https://www.sciencedirect.com/science/article/pii/S0141813024019950	
	151	Titlu citat: Calcium carbonate and wood reinforced hybrid PVC composites Titlu: Exploring the synergistic effect of inorganic and organic particulates in polyvinyl chloride composites through comparative analysis and accelerated weathering Dată:2024 Nr Autori: 8 link	1.25
	152	Titlu citat: Calcium carbonate and wood reinforced hybrid PVC composites Titlu: Formulation optimization and performance enhancement of polyvinyl chloride-silica micropowder composites with a promising flooring application Dată:2023 Nr Autori: 8 https://www.sciencedirect.com/science/article/pii/S2238785423022949	1.25
	153	Titlu citat: Calcium carbonate and wood reinforced hybrid PVC composites Titlu: A comparative assessment of the use of suitable analytical techniques to evaluate plasticizer compatibility Dată:2023 Nr Autori: 8 https://onlinelibrary.wiley.com/doi/full/10.1002/app.54104	1.25
	154	Titlu citat: Calcium carbonate and wood reinforced hybrid PVC composites Titlu: Effect of calcium carbonate particle size and content on the thermal properties of PVC foamed layer used for coated textiles Dată:2023 Nr Autori: 8 https://journals.tubitak.gov.tr/chem/vol47/iss1/5/	1.25
	155	Titlu citat: Ionic Liquids as Antifungal Agents for Wood Preservation Titlu: Anion exchange effect on structural, antibacterial activity and molecular docking of 1-methyl-3-(4-vinylbenzyl) imidazol-3-ium chloride/bis (trifluoromethylsulfonyl)imide/hexaflurophosphate: Experimental and DFT approach Dată:2024 Nr Autori: 2 https://www.sciencedirect.com/science/article/pii/S2772422024000387	5.00
	156	Titlu citat: Ionic Liquids as Antifungal Agents for Wood Preservation Titlu: A Review on the Effect of	5.00

		Wood Surface Modification on Paint Film Adhesion Properties Dată:2024 Nr Autori: 2 https://www.mdpi.com/2079-6412/14/10/1313	
	157	Titlu citat: Ionic Liquids as Antifungal Agents for Wood Preservation Titlu: Effect of ionic liquid [emim][OAc] on the set recovery behavior of densified wood Dată:2024 Nr Autori: 2 https://link.springer.com/article/10.1007/s10570-024-06043-z	5.00
	158	Titlu citat: Ionic Liquids as Antifungal Agents for Wood Preservation Titlu: Effect of terpene alcohol fragment and type of anion in the pyrrolidinium salts on the physicochemical properties and antibacterial activity Dată:2024 Nr Autori: 2 https://www.sciencedirect.com/science/article/pii/S0167732224013114	5.00
	159	Titlu citat: Ionic Liquids as Antifungal Agents for Wood Preservation Titlu: Ionic Liquids as Reconditioning Agents for Paper Artifacts Dată:2024 Nr Autori: 2 https://www.mdpi.com/1420-3049/29/5/963	5.00
	160	Titlu citat: Ionic Liquids as Antifungal Agents for Wood Preservation Titlu: Screening of Ionic Liquids against Bamboo Mildew and Its Inhibition Mechanism Dată:2023 Nr Autori: 2 https://www.mdpi.com/1420-3049/28/8/3432	5.00
	161	Titlu citat: Ionic Liquids as Antifungal Agents for Wood Preservation Titlu: Chemical sensitivity phenome of an Armillaria mellea isolate determined using phenotype microarrays and potential use of caffeine-rich wastes for disease control Dată:2023 Nr Autori: 2 https://www.tandfonline.com/doi/full/10.1080/11263504.2023.2165559	5.00
	162	Titlu citat: Ionic Liquids as Antifungal Agents for Wood Preservation Titlu: Wood Composites Based on In Situ Modification of Poplar Veneers by PEG-[Bmim]CI Dată:2023 Nr Autori: 2 link	5.00
	163	Titlu citat: Wettability and Surface Roughness Analysis of Laser Surface Texturing of AISI 430 Stainless	1.11

		Steel Titlu: SURFACE WETTABILITY STUDIES ON LASER TEXTURED Ti-6Al-4V AND 316L STAINLESS STEEL Dată:2024 Nr Autori: 9 link	
	164	Titlu citat: Wettability and Surface Roughness Analysis of Laser Surface Texturing of AISI 430 Stainless Steel Titlu: Development of Polymer Hydrophobic Surfaces Through Combined Laser Ablation and Hot Embossing Processes Dată:2024 Nr Autori: 9 https://www.mdpi.com/2504-4494/8/6/262	1.11
	165	Titlu citat: Wettability and Surface Roughness Analysis of Laser Surface Texturing of AISI 430 Stainless Steel Titlu: Achieving Super-Metallophobicity on Silicon-based Ceramics at High Temperature Dată:2024 Nr Autori: 9 https://advanced.onlinelibrary.wiley.com/doi/full/10.1002/adma.202405194	1.11
	166	Titlu citat: Wettability and Surface Roughness Analysis of Laser Surface Texturing of AISI 430 Stainless Steel Titlu: Enhancement of Surface Properties Using Ultrashort-Pulsed-Laser Texturing: A Review Dată:2024 Nr Autori: 9 https://www.mdpi.com/2073-4352/14/4/353	1.11
	167	Titlu citat: Wettability and Surface Roughness Analysis of Laser Surface Texturing of AISI 430 Stainless Steel Titlu: Wetting Behavior Driven by Surface Morphology Changes Induced by Picosecond Laser Texturing Dată:2024 Nr Autori: 9 https://www.mdpi.com/1996-1944/17/8/1719	1.11
	168	Titlu citat: Wettability and Surface Roughness Analysis of Laser Surface Texturing of AISI 430 Stainless Steel Titlu: Development of polyamide 6-graphene oxide nanocomposite and direct-joining with aluminum alloy for lightweight engineering applications Dată:2024 Nr Autori: 9 https://4spepublications.onlinelibrary.wiley.com/doi/full/10.1002/pen.26575	1.11
	169	Titlu citat: Wettability and Surface Roughness Analysis of Laser Surface Texturing of AISI 430 Stainless	1.11

		Steel Titlu: Change in Time of the Value of Dry and Lubricated Friction Coefficients for Surfaces Generated by Different Processing Methods Dată:2023 Nr Autori: 9 https://www.mdpi.com/2075-4442/11/10/436	
	170	Titlu citat: Wettability and Surface Roughness Analysis of Laser Surface Texturing of AISI 430 Stainless Steel Titlu: Determining the Role of Oxygen in Obtaining Long-Term Stable Superhydrophilic Surfaces on Metals Treated with a Femtosecond Laser Dată:2023 Nr Autori: 9 https://pubs.acs.org/doi/10.1021/acsomega.3c04618	1.11
	171	Titlu citat: Wettability and Surface Roughness Analysis of Laser Surface Texturing of AISI 430 Stainless Steel Titlu: Effectiveness of Bonding Steel Elements with Polyester-Coated Paint Dată:2023 Nr Autori: 9 https://www.mdpi.com/2076-3417/13/18/10059	1.11
	172	Titlu citat: Wettability and Surface Roughness Analysis of Laser Surface Texturing of AISI 430 Stainless Steel Titlu: Post-processing of Wire Arc Additive Manufactured Stainless Steel 308L to Enhance Compression and Corrosion Behavior using Laser Shock Peening Process Dată:2024 Nr Autori: 9 https://link.springer.com/article/10.1007/s11665-023-08592-z	1.11
	173	Titlu citat: Wettability and Surface Roughness Analysis of Laser Surface Texturing of AISI 430 Stainless Steel Titlu: Enhancing Coating Adhesion on Fibre-Reinforced Composite by Femtosecond Laser Texturing Dată:2023 Nr Autori: 9 https://www.mdpi.com/2079-6412/13/5/928	1.11
	174	Titlu citat: Photocatalytic coatings via thermal spraying: a mini-review Titlu: Durable Metallization of Resin Surfaces via Sacrificial Nanotransfer Lithography Dată:2024 Nr Autori: 4 https://advanced.onlinelibrary.wiley.com/doi/full/10.1002/admi.202400251	2.50
	175	Titlu citat: Photocatalytic coatings via thermal spraying: a mini-review Titlu: Preparation, characterization, and photocatalytic performance of atmospheric plasma-sprayed TiO2/Al2O3 coatings on glass substrates Dată:2024 Nr Autori: 4	2.50

		https://link.springer.com/article/10.1007/s43452-024-00938-1	
	176	Titlu citat: Photocatalytic coatings via thermal spraying: a mini-review Titlu: Effect of irradiation intensity on the rate of photocatalysis of TiO2 coatings obtained by detonation spraying Dată:2024 Nr Autori: 4 https://ceramics.onlinelibrary.wiley.com/doi/10.1111/ijac.14782?af=R	2.50
	177	Titlu citat: Photocatalytic coatings via thermal spraying: a mini-review Titlu: Effect of detonation spray regimes on photocatalytic activity of Ti-TiO 2 coatings Dată:2024 Nr Autori: 4 https://www.sciencedirect.com/science/article/pii/S1010603024001709	2.50
	178	Titlu citat: Photocatalytic coatings via thermal spraying: a mini-review Titlu: Structure and photocatalytic properties of the composite coating fabricated by detonation sprayed Ti powders Dată:2024 Nr Autori: 4 https://www.sciencedirect.com/science/article/pii/S0272884223031991	2.50
	179	Titlu citat: Photocatalytic coatings via thermal spraying: a mini-review Titlu: Low-pressure cold spraying of suspension TiO2 in a single pass - Process optimization Dată:2023 Nr Autori: 4 https://www.sciencedirect.com/science/article/pii/S0257897223007089	2.50
	180	Titlu citat: Photocatalytic coatings via thermal spraying: a mini-review Titlu: Influence of spraying parameters on microstructure of oxygen-rich TiO2 coatings deposited using suspension low-pressure cold spray Dată:2023 Nr Autori: 4 https://www.sciencedirect.com/science/article/pii/S0257897223000968	2.50
	181	Titlu citat: Photocatalytic coatings via thermal spraying: a mini-review Titlu: Surface modification of coatings based on Ni-Cr-Al by pulsed plasma treatment Dată:2023 Nr Autori: 4 https://www.aimspress.com/article/doi/10.3934/matersci.2023042	2.50
	182	Titlu citat: Photocatalytic coatings via thermal spraying: a mini-review Titlu: PERFORMANCE OF	2.50

		THERMALLY SPRAYED HYDROXYAPATITE COATINGS FOR BIOMEDICAL IMPLANTS: A COMPREHENSIVE REVIEW Dată:2023 Nr Autori: 4 https://www.worldscientific.com/doi/abs/10.1142/S0218625X22410013	
	183	Titlu citat: Obtaining and Characterization of Polyolefin-Filled Calcium Carbonate Composites Modified with Stearic Acid Titlu: Visualisation of surface coating distribution patterns on modified CaCO3 Dată:2024 Nr Autori: 4 https://iopscience.iop.org/article/10.1088/2051-672X/ad7bd2	2.50
	184	Titlu citat: Obtaining and Characterization of Polyolefin-Filled Calcium Carbonate Composites Modified with Stearic Acid Titlu: Effects of xylan-modified precipitated calcium carbonate filler on the properties of paper Dată:2024 Nr Autori: 4 link	2.50
	185	Titlu citat: Obtaining and Characterization of Polyolefin-Filled Calcium Carbonate Composites Modified with Stearic Acid Titlu: Effect of LDHs-ALA on steel corrosion in chloride-rich simulated concrete pore solution: experimental and DFT studies Dată:2024 Nr Autori: 4 https://www.sciencedirect.com/science/article/pii/S095006182304477X	2.50
	186	Titlu citat: Obtaining and Characterization of Polyolefin-Filled Calcium Carbonate Composites Modified with Stearic Acid Titlu: Assessment of the occurrence and interaction between pesticides and plastic litter from vineyard plots Dată:2024 Nr Autori: 4 https://www.sciencedirect.com/science/article/pii/S0048969723079032	2.50
	187	Titlu citat: Obtaining and Characterization of Polyolefin-Filled Calcium Carbonate Composites Modified with Stearic Acid Titlu: Stretchable supercapacitors made with plasticine/graphene/CeNdNiO2 composite electrodes Dată:2024 Nr Autori: 4 https://www.sciencedirect.com/science/article/pii/S0254058423014293	2.50
	188	Titlu citat: Obtaining and Characterization of Polyolefin-Filled Calcium Carbonate Composites Modified	2.50

		with Stearic Acid Titlu: Polymer Template Synthesis of CuOx/Clay Nanocomposites with Controllable CuOx Formation Dată:2023 Nr Autori: 4 link	
	189	Titlu citat: Obtaining and Characterization of Polyolefin-Filled Calcium Carbonate Composites Modified with Stearic Acid Titlu: Investigation of the Rheological Properties and Storage Stability of Waste Polyethylene/Ethylene-Vinyl Acetate-Modified Asphalt with Crosslinking and a Silicone Coupling Agent Dată:2023 Nr Autori: 4 https://www.mdpi.com/1996-1944/16/9/3289	2.50
	190	Titlu citat: Chemical and Mechanical Characterization of AISI 304 and AISI 1010 Laser Welding Titlu: Investigation and enhancement of mechanical properties of SS-316 weldment using TiO2-SiO2-Al2O3 hybrid flux Dată:2024 Nr Autori: 6 https://link.springer.com/article/10.1007/s12008-023-01198-8	1.66
	191	Titlu citat: Chemical and Mechanical Characterization of AISI 304 and AISI 1010 Laser Welding Titlu: Formability Prediction Of AISI 304 Steel Sheet Based On Forming Limit Diagram Through Finite Element Analysis And Nakazima Test Dată:2023 Nr Autori: 6 http://jase.tku.edu.tw/articles/jase-202404-27-4-0005	1.66
	192	Titlu citat: Dissimilar Laser Welding of AISI 321 and AISI 1010 Titlu: A Review on Fusion Welding of Dissimilar Ferritic/Austenitic Steels: Processing and Weld Zone Metallurgy Dată:2024 Nr Autori: 7 https://www.mdpi.com/2504-4494/8/3/96	1.43
	193	Titlu citat: Dissimilar Laser Welding of AISI 321 and AISI 1010 Titlu: Experimental Research and Numerical Simulation of Laser Welding of 303Cu/440C-Nb Stainless-Steel Thin-Walled Natural-Gas Injector for Vehicles Dată:2023 Nr Autori: 7 https://www.mdpi.com/1996-1944/16/5/2109	1.43
	194	Titlu citat: Surface engineering of Ni-Al coatings through concentrated solar heat treatment Titlu: The	1.11

		Influence of Distance Pulsed Plasma Treatment on the Structure and Properties of Detonation Coatings from Eutectic Alloy Fe-TiB2-CrB2 Dată:2024 Nr Autori: 9 https://www.mdpi.com/2079-6412/14/8/1049	
	195	Titlu citat: Surface engineering of Ni-Al coatings through concentrated solar heat treatment Titlu: Corrosion behavior of heat-treated NiCrMoAl alloy coatings produced via arc spraying Dată:2023 Nr Autori: 9 https://www.sciencedirect.com/science/article/pii/S246802302300250X	1.11
	196	Titlu citat: Photocatalytic surfaces obtained through one-step thermal spraying of titanium Titlu: Effect of post-treatment on photocatalytic activity of anodic titania photonic crystals Dată:2023 Nr Autori: 7 https://www.sciencedirect.com/science/article/pii/S0925346723009229	1.43
	197	Titlu citat: Photocatalytic surfaces obtained through one-step thermal spraying of titanium Titlu: Evaporation characteristics of sessile droplets on flat hydrophobic surfaces in non-boiling regime Dată:2023 Nr Autori: 7 https://www.sciencedirect.com/science/article/pii/S0735193323000039	1.43
	198	Titlu citat: Carbon Nanoparticle-Supported Pd Obtained by Solar Physical Vapor Deposition Titlu: Palladium nanoparticle deposition on spherical carbon supports for heterogeneous catalysis in continuous flow Dată:2024 Nr Autori: 5 https://drive.unitbv.ro/s/5gMieM7JJkA7Ab5	2.00
	199	Titlu citat: Carbon Nanoparticle-Supported Pd Obtained by Solar Physical Vapor Deposition Titlu: Synthesis and Characterization of ZnO-Nanostructured Particles Produced by Solar Ablation Dată:2023 Nr Autori: 5 https://www.mdpi.com/1996-1944/16/19/6417	2.00
	200	Titlu citat: Characterization of Physically Crosslinked Ionic Liquid-lignocellulose Hydrogels Titlu: Synthesis and Characterization of Environmentally Friendly ß-Cyclodextrin Cross-Linked	2.00

		Cellulose/Poly(vinyl alcohol) Hydrogels for Adsorption of Malathion Dată:2024 Nr Autori: 4 https://pubs.acs.org/doi/full/10.1021/acsomega.4c00037	
	201	Titlu citat: Pulsed Laser Cladding of NiCrBSiFeC Hardcoatings Using Single-Walled Carbon Nanotube Additives Titlu: Blood-repellent and anti-corrosive surface by spin-coated SWCNT layer on intravascular stent materials Dată:2023 Nr Autori: 8 https://link.springer.com/article/10.1007/s13246-022-01212-5	1.25
	202	Titlu citat: Photocatalytic performance of copper-based coatings deposited by thermal spraying Titlu: Microstructure and Properties of Nickel-Based Gradient Coatings Prepared Using Cold Spraying Combined with Laser Cladding Methods Dată:2023 Nr Autori: 4 https://www.mdpi.com/1996-1944/16/4/1627	2.50
	203	Titlu citat: Solar radiation synthesis of functional carbonaceous materials using Al2O3/TiO2-Cu-HA doped catalyst Titlu: Microstructure and Properties of Nickel-Based Gradient Coatings Prepared Using Cold Spraying Combined with Laser Cladding Methods Dată:2023 Nr Autori: 7 https://www.mdpi.com/1996-1944/16/4/1627	1.43
	204	Titlu citat: Ionic Liquids as Reconditioning Agents for Paper Artifacts Titlu: Multi-Functional Repair and Long-Term Preservation of Paper Relics by Nano-MgO with Aminosilaned Bacterial Cellulose Dată:2024 Nr Autori: 2 https://www.mdpi.com/1420-3049/29/16/3959	5.00
	205	Titlu citat: Ionic Liquids as Potential Cleaning and Restoration Agents for Cellulosic Artefacts Titlu: Characterization and assessment of cleaning systems based aon fatty acid methyl esters (FAMEs) for the removal of wax-based coatings from cultural heritage objects Dată:2024 Nr Autori: 2 https://www.sciencedirect.com/org/science/article/pii/S2633540924007321	5.00
	206	Titlu citat: Solar synthesis of carbon microparticles from polymer waste Titlu: Synthesis and Characterization of ZnO-Nanostructured Particles Produced by Solar Ablation Dată:2023 Nr Autori: 4	2.50

		https://www.mdpi.com/1996-1944/16/19/6417	
	207	Titlu citat: Visible Domain Photocatalysis Performance of Ti-Si Thermal-Sprayed Coatings Titlu: Applicability of Titanium-Based Catalysts in the Photocatalytic Degradation of 2,3,7,8-Tetrachlorodibenzofuran Dată:2023 Nr Autori: 4 https://www.mdpi.com/1420-3049/28/22/7488	2.50
	208	Titlu citat: Functional Surfaces via Laser Processing in Nickel Acetate Solution Titlu: Microstructure of NbMoTaTiNi Refractory High-Entropy Alloy Coating Fabricated by Ultrasonic Field-Assisted Laser Cladding Process Dată:2023 Nr Autori: 9 https://www.mdpi.com/2079-6412/13/6/995	1.11
	209	Titlu citat: Alkylimidazolium Ionic Liquids Absorption and Diffusion in Wood Titlu: Ionic liquid interactions with cellulose and the effect of water Dată:2024 Nr Autori: 2 https://link.springer.com/article/10.1007/s10570-024-06016-2	5.00
	210	Titlu citat: Alkylimidazolium Ionic Liquids Absorption and Diffusion in Wood Titlu: Wood Composites Based on In Situ Modification of Poplar Veneers by PEG-[Bmim]Cl Dată:2023 Nr Autori: 2 link	5.00
	211	Titlu citat: Austenitic Stainless Steel as a Catalyst Material for Photo-Fenton Degradation of Organic Dyes Titlu: A short-circuited photo-assisted electrochemical cell for wastewater treatment Dată:2024 Nr Autori: 4 https://www.sciencedirect.com/science/article/pii/S221334372401399X	2.50
	212	Titlu citat: Austenitic Stainless Steel as a Catalyst Material for Photo-Fenton Degradation of Organic Dyes Titlu: Anodized stainless steel as a durable and stable catalyst for Photo-Fenton degradation of organic contaminants Dată:2024 Nr Autori: 4 https://www.sciencedirect.com/science/article/pii/S0254058424001731	2.50

	213	Titlu citat: Surface properties of thermally treated composite wood panels Titlu: Evaluating wettability of vessels in poplar by Micro-CT imaging Dată:2022 Nr Autori: 9 https://www.degruyter.com/document/doi/10.1515/hf-2022-0067/html	1.11
	214	Titlu citat: Surface properties of thermally treated composite wood panels Issn citat: 01694332 Titlu: Highly Hydrophobic and Self-Cleaning Heat-Treated Larix spp. Prepared by TiO2 and ZnO Particles onto Wood Surface Revista: Coatings Issn citeaza: 20796412 Isbn citeaza: 20796412 An Aparitie: 2020 Nr Autori: 9 https://www.mdpi.com/2079-6412/10/10/986	1.11
	215	Titlu citat: Surface properties of thermally treated composite wood panels Issn citat: 01694332 Titlu: Surface Properties of Pine Scrimber Panels with Varying Density Revista: Coatings Issn citeaza: 20796412 Isbn citeaza: 20796412 An Aparitie: 2019 Nr Autori: 9 https://www.mdpi.com/2079-6412/9/6/397	1.11
	216	Titlu citat: Surface properties of thermally treated composite wood panels Issn citat: 01694332 Titlu: Durability of the Exterior Transparent Coatings on Nano-Photostabilized English Oak Wood and Possibility of Its Prediction before Artificial Accelerated Weathering Revista: Nanomaterials Issn citeaza: 20794991 Isbn citeaza: 20794991 An Aparitie: 2019 Nr Autori: 9 https://www.mdpi.com/2079-4991/9/11/1568	1.11
	217	Titlu citat: Surface properties of thermally treated composite wood panels Issn citat: 01694332 Titlu: Modeling and simulation of heat-mass transfer and its application in wood thermal modification Revista: Results in Physics Issn citeaza: 22113797 Isbn citeaza: 22113797 An Aparitie: 2019 Nr Autori: 9 https://www.sciencedirect.com/science/article/pii/S2211379719303365	1.11
	218	Titlu citat: Surface properties of thermally treated composite wood panels Issn citat: 01694332 Titlu: Mold resistance of bamboo after laccase-catalyzed attachment of thymol and proposed mechanism of attachment Revista: RSC ADVANCES Issn citeaza: 20462069 Isbn citeaza: 20462069 An Aparitie: 2020 Nr Autori: 9	1.11

		https://pubs.rsc.org/en/content/articlehtml/2020/ra/d0ra00315h	
	3.1.2. citari in articole indexate BDI	**5/nr.autori articol citat**	
	1	Titlu citat: Edge fillet laser welding of AISI 304 stainless steel Issn citat:16629779, Titlu: Multiresponse Optimization of Pulsed-Current Gas Tungsten Arc Welding (PCGTAW) for AISI 304 Stainless Steel to St 52 Steel Dissimilar Welds, Revista: Metallography, Microstructure, and Analysis Issn citeaza: 21929262 An Aparitie: 2016 Nr Autori: 3 https://link.springer.com/article/10.1007/s13632-016-0277-x	1.66
	2	Titlu citat: Pulsed Laser Cladding of Ni Based Powder, issn citat: 1757-8981, Titlu: Analyses and Research on a Model for Effective Thermal Conductivity of Laser-Clad Composite Materials, Revista: Materials Issn citeaza: 16237360, An Aparitie: 2023 Nr Autori: 5 https://www.mdpi.com/1996-1944/16/23/7360	1
	3	Titlu citat: Obtaining and Characterization of Polyolefin-Filled Calcium Carbonate Composites Modified with Stearic Acid, Issn citat: 1757-899X, Tilu: Visualisation of surface coating distribution patterns on modified $CaCO_3$, Issn citeaza: 2051-672X An Aparitie: 2024 NrAutori:4 https://iopscience.iop.org/article/10.1088/2051-672X/ad7bd2	1.25
	4	Titlu citat: Obtaining and Characterization of Polyolefin-Filled Calcium Carbonate Composites Modified with Stearic Acid, Issn citat: 1757-899X, Tilu: Effects of xylan-modified precipitated calcium carbonate filler on the properties of paper, Issn citeaza: 0283-2631 An Aparitie: 2024 NrAutori:4 link	1.25
	5	Titlu citat: Obtaining and Characterization of Polyolefin-Filled Calcium Carbonate Composites Modified with Stearic Acid, Issn citat: 1757-899X, Tilu: Stretchable supercapacitors made with plasticine/graphene/CeNdNiO2 composite electrodes, Issn citeaza: 0254-0584 An Aparitie:2024 NrAutori: 4 https://www.sciencedirect.com/science/article/abs/pii/S0254058423014293	1.25

	6	Titlu citat: Obtaining and Characterization of Polyolefin-Filled Calcium Carbonate Composites Modified with Stearic Acid, Issn citat: 1757-899X, Tilu: Effect of LDHs-ALA on steel corrosion in chloride-rich simulated concrete pore solution: experimental and DFT studies, Issn citeaza: 0950-0618 An Aparitie:2024 NrAutori: 4 https://www.sciencedirect.com/science/article/abs/pii/S095006182304477X	1.25
	7	Titlu citat: Obtaining and Characterization of Polyolefin-Filled Calcium Carbonate Composites Modified with Stearic Acid, Issn citat: 1757-899X, Tilu: Assessment of the occurrence and interaction between pesticides and plastic litter from vineyard plots, Issn citeaza: 0048-9697 An Aparitie:2023 NrAutori: 4 https://www.sciencedirect.com/science/article/pii/S0048969723079032	1.25
	3.1.3. citari in alte publicatii	**3/nr.autori articol citat**	0
2. Prezentări efectuate ca invitat/ invitata in plenul unor manifestări ştiinţifice naţionale şi internaţionale şi Profesor invitat (exclusiv ERASMUS)	**3.2.1. Internaţionale**	**20**	0
	3.2.2. Naţionale	**10**	0
3.3. Membru în colectivele de redacţie sau comitete ştiinţifice al revistelor şi manifestărilor ştiintifice, organizator de manifestări ştiintifice / Recenzor pentru reviste şi manifestări ştiintifice nationale si internationale indexate ISI	**3.3.1. ISI**	**10**	
		Recenzent jurnal: Materials Today Proceeding 2019 link	10
		Recenzent jurnal: Materials and Design 2019 link	10
		Recenzent jurnal: Applied Surface Science 2019 link	10
		Recenzent jurnal: Journal of Materials Science 2020 link	10

		Recenzent jurnal: Materials 2020 link	10
		Recenzent jurnal: Sensors 2020 link	10
		Recenzent jurnal: Coatings 2020 link	10
	3.3.2. Indexate BDI	**8**	
		10th International Conference on Materials Science & Engineering, BraMat 2017 Recenzent jurnal Materials Science Forum link	8
		9th International Conference on Materials Science and Engineering – BraMat2015 Recenzent jurnal Advanced Materials Research link	8
	3.3.3. Naționale și internaționale neindexate	**5**	0
3.4. Experiența de management, analiză și evaluare în cercetare și/sau învățământ	**3.4.1. Conducere**	**5*ani desfasurare**	
		Prodecan cu activitatea studentilor si legatura cu mediul economic si socio-cultural perioada, Facultatea de Stiinta si ingineria materialelor, perioada:2024 – 2025 link	5
		Prodecan cu activitatea de cercetare stiintifica si informatizare, Facultatea de Stiinta si ingineria materialelor, perioada:2021 – 2024	15

		link		
	3.4.2. Membru	**2*ani desfasurare**		
		Membru in consiliul departamentului de Ingineria Materialelor şi Sudură, Facultatea de Stiinta si ingineria materialelor, perioada:2012 – 2025 link		26
3.5. Premii	**3.5.1. Academia Română**	30		0
	3.5.2. ASAS, AOSR, academii de ramura şi CNCS	15		0
	3.5.3. Premii internaționale	10		0
	3.5.4. Premii Naționale in domeniu	**5**		0
3.6. Membru în academii, organizații, asociații profesionale de prestigiu, naționale și internaționale, apartenenţă la organizații din domeniul educatiei și cercetării	**3.6.1. Academia Română**	**100**		
	3.6.2. ASAS, AOSR, academii de ramura	**20**		
	3.6.3. Conducere asociații profesionale	**3.6.3. 1. Internaționale**	**30**	0
		3.6.3.2. Naționale	**10**	0
	3.6.4. Asociatii profesionale	**3.6.4.1. Internaționale**	**5**	0
		3.6.4.2. Naționale	**3**	
		Membru Asociatia Generala a Inginerilor din Romania (AGIR) link		3
	3.6.5. Organizații în domeniul educaţiei şi cercetării	**3.6.5.1. Conducere**	**10**	0
			TOTAL recunoașterea și impactul activității (A3)	**571.58**
			TOTAL A1+A2+A3	**1401.33**

Gradul de îndeplinire a standardului privind acordarea titlului de profesor

Domeniu de activitate	Punctaj minim profesor	Punctaj obţinut
A1. Activitatea didactică/profesională	**130**	**160.23**
A2. Activitatea de cercetare	**300**	**669.52**
A3. Recunoaşterea impactului activităţii	**100**	**571.58**
TOTAL	**530**	**1401.33**

Data: 11.06.2025

Conf. dr. ing. Ionuț Claudiu ROATĂ