



Fişa de calcul a Standardelor minime necesare şi obligatorii pentru conferirea titlurilor didactice în învăţământul superior (conferenţiar)  
Comisia de INGINERIA MATERIALELOR (OMENCS nr. 6129/20.12.2016)

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Departamentul Ştiinţa Materialelor

Nr. crt	Domeniul de activitate	Condiţii conferenţiar minim	Realizat
1	Activitatea didactică / profesională (A1)	30 puncte	58.35 puncte
2	Activitatea de cercetare (A2)	Cărţi ca autor - 1; Manual - 1	Cărţi ca autor - 2; manual - 1
		160 puncte	177.221 puncte
		10 articole	12
		3 articole cu FI > 1	8
		2 articole autor principal FI > 0.5	3
3	Recunoaşterea impactului activităţii (A3)	15 citări	75
		60 puncte	327.218 puncte
		<b>250 puncte</b>	<b>562.789</b>
	<b>TOTAL</b>		
	Criterii opţionale		7
	Indicii Hirsch		12
	<b>Total + Criterii opţionale + Indicii Hirsch</b>		<b>581.789</b>



A1 Activitatea didactică şi profesională

Tip Criteriu	Criteriu / Descriere	Formula	Punctaj
1.1.1.1	Carti/capitole ca autor internaionale		
	I. Ghiuță, D. Cristea, <i>Silver nanoparticles for delivery purposes</i> - Nanoengineered Biomaterials for Advanced Drug Delivery 1st Edition, Editura Elsevier, ISBN: 9780081029855, 2020 Nr. Autori:2 Nr. Pagini: 25, Autor Principal: DA	25/(2*2)	6.25
1.1.1.2	Carti/capitole ca autor nationale		
Nr. de pag./ (5xnr.aut)	I. Ghiuță, D. Cristea, d. Munteanu, <i>Biosinteza nanoparticulelor metalice</i> , Editura Universitatii Transilvania din Braşov, ISBN: 978-606-19-1011-3, 2018, Nr. autori:3, Nr pagini:183, Autor Principal: DA	183/(5*3)	12.2
	I. Popescu, <i>Materiale utilizate in industria auto</i> , Editura Printech, ISBN :978-606-23-1217-6, 2021, Nr. Autori:1 Nr. Pagini:162, Autor Principal: DA	162/(5*1)	32.4
1.2.1	Manuale didactice/monografii, inclusiv electronice		
Nr. de pag./ (10xnr.aut)	C. Gabor, I. Popescu, <i>Managementul proiectelor - manual destinat studentilor de la profile Ingineresti</i> , Editura Printech ISBN:978-606-23-0996-1, 2019, NrAutori:2 NrPagini:150 AutorPrincipal: NU	150/(10*2)	7.5000
TOTAL			58.35



A2. Activitatea de cercetare (A2)

2.1.1	Articole in reviste cotate ISI		
50xX/rr aut ori (pentru reviste X=FI al revistei pentru articele in volume X=0,1	Cristea, D., Cunha, L., Gabor, C., Ghiuță, I., C. Croitoru, A. Marin, L. Velicu, A. Besileaga, B. Vasile, titlu: Tantalum Oxynitride Thin Films: Assessment of the Photocatalytic Efficiency and Antimicrobial Capacity revista: Nanomaterials, ISSN: 2079-4991, An Aparite: 2019 Autori:9, Autor Principal: NU, FI = 4.034, WOS: 000464450100003 <a href="https://doi.org/10.3390/nano9030476">https://doi.org/10.3390/nano9030476</a>	[50*4.034]/10	20.17
	Bedo, T. Varga, B., Cristea, D., Nicol, A., Gatto, A., Bassoli, E., Bulai, G., Velicu, I.L., Ghiuță, I., S. Munteanu, M. A. Pop, C. Gabor, M. Cosnita, L. Parv, D. Munteanu, titlu: Metastable Al-Si-Ni Alloys for Additive Manufacturing: Structural Stability and Energy Release during Heating revista: Metals, ISSN: 2075-4701 An Aparite: 2019 Autori: 15 Autor Principal: DA, FI= 2.259, WOS: 000478818700002 <a href="https://doi.org/10.3390/met9050483">https://doi.org/10.3390/met9050483</a>	[50*2.259]/15	7.53
	Gabor, C., Cristea, D., Velicu I.L., Bedo, T. Gatto, A., Bassoli, E., Varga, B., Pop M.A., Geanta, V., Stefanoiu, R., Codescu, M.M., Manta E., Patro, D., Florescu, M., Munteanu, S.I., Ghiuță, I., et al. titlu: Ti-Zr-Si-Nb Nanocrystalline Alloys and Metallic Glasses: Assessment on the Structure, Thermal Stability, Corrosion and Mechanical Properties, revista: Materials ISSN: 1996-1944 An Aparite: 2019 Autori: 18 Autor Principal: false, FI= 2.972, WOS: 000469757500192 <a href="https://doi.org/10.3390/ma12091551">https://doi.org/10.3390/ma12091551</a>	[50*2.972]/18	8.25
	Ghiuță, I., Cristea, D., Croitoru, C., Kost, J., Wenkert, R., Vyrides, I. Anayiotos, A., Munteanu, D. titlu: Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using Bacillus species revista: Applied Surface Science ISSN: 0169-4332 An Aparite: 2018, Autori: 8 Autor Principal: DA, FI = 4.439, WOS: 000425731200009 <a href="https://doi.org/10.1016/j.apsusc.2017.09.163">https://doi.org/10.1016/j.apsusc.2017.09.163</a>	[50*4.439]/8	27.743



	Jinga, V., Mateescu, A.O., Cristea, D., Mateescu, G., Burducea, I., Ionescu, C., Crăciun, I., Ghiuță, I., Samoliță, C., Ursuțu, D., Munteanu, D. titlu: Compositional, morphological and mechanical investigations of monolayer type coatings obtained by standard and reactive magnetron sputtering from Ti, TiB <sub>2</sub> and WC revista: Applied Surface Science, ISSN: 0169-4332, An Apariție: 2015, Autori: 11 AutorPrincipal: false, FI = 3.469, WOS: 000366220500011, <a href="https://doi.org/10.1016/j.apsusc.2015.08.120">https://doi.org/10.1016/j.apsusc.2015.08.120</a>	(50*3.469)/11	15.768
	Milosan, I., Flământ, G., Voiculescu, I., Geanta, V., Munteanu, D., Bedo, T., Pop, M.A., Semenescu, A., Crisan, A., Cristea, D., Giacomelli, I., Stoicanescu, M., Gabor, C., Sarbu, F.A., Ghiuță, I. titlu: Comparative Study of Heat Treatment Effects Performed with Solar Energy and Electric Furnace on EN 1.4848 Stainless Steel Alloyed with Co, W, Cu and Mo revista: Revista de Chimie (Bucharest) ISSN: 2537-5733 An Apariție: 2018 Autori: 15 AutorPrincipal: false, FI = 1.412, WOS: 000434954100004 <a href="https://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=148&amp;SID=E2ShkXdmnaHPMHXBWC&amp;page=1&amp;doc=6">https://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=148&amp;SID=E2ShkXdmnaHPMHXBWC&amp;page=1&amp;doc=6</a>	(50*1.412)/15	4.706
	Tiss, B., Moualhi, Y., Bouguila, N., Kraini M., Alaya, S., Croitoru, C., Ghiuță, I., Cristea, D., Patroiu, D., Moura, C., Cunha, L. titlu: Influence of the Physical Properties on the Antibacterial and Photocatalytic Behavior of Ag-Doped Indium Sulfide Film Deposited by Spray Pyrolysis revista: Coatings, ISSN: 2079-6412, An Apariție: 2021 Autori: 11 Autor Principal: false, FI = 2.436, WOS: 000642934600001 <a href="https://doi.org/10.3390/coatings11040370">https://doi.org/10.3390/coatings11040370</a>	(50*2.436)/11	11.072
	Ghiuță, I., Croitoru, C., Kost, J., Wenkert, R., Munteanu, D. titlu: Bacteria-Mediated Synthesis of Silver and Silver Chloride Nanoparticles and Their Antimicrobial Activity revista: Applied Sciences ISSN: 2076-3417, An Apariție: 2021 Autori: 5 Autor Principal: true, FI = 2.474, WOS: 000638317400001 <a href="https://doi.org/10.3390/app11073134">https://doi.org/10.3390/app11073134</a>	(50*2.474)/5	24.74
	TOTAL		119.979
2.1.2	Articole indexate ISI Proceeding		
	Ghiuță, I., Gatto, A., Bassoli, E., Munteanu, S.I., Bedo, T., Pop, M.A., Gabor C., Covei, M., Cosnita, M., Cristea, D., Varga, B., Munteanu, D. titlu: The Influence of Powder Particle and Grain Size on Parts Manufacturing by Powder Bed Fusion revista: Materials Science Forum issn: 02555476 An Apariție: 2018 Autori: 12 AutorPrincipal: DA, FI=0.399, WOS: 000468152500263 <a href="https://doi.org/10.4028/www.scientific.net/MSF.941.1585">https://doi.org/10.4028/www.scientific.net/MSF.941.1585</a>	(50*0.1/12)	0.416



	Autori: D. Munteanu, T. Bedo, M.A. Pop, I. Milosan, C. Gabor, I. Ghiuta, S. Munteanu, D. Cristea, titlu:Influent parameters on the inductive quenching technology for large bearing rings revista: Metal 2018 conferinta: Metal 2018 issn: 1234567 An Aparitie: 2018 Autori: 8 WOS: 000461832200124 <a href="http://apps.weobknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=172&amp;SID=D37F8DBcramZAllqMw&amp;page=1&amp;doc=1">http://apps.weobknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=172&amp;SID=D37F8DBcramZAllqMw&amp;page=1&amp;doc=1</a>	(50*0.1/8)	0.6250
	Ghiuta, I., Cristea, D., Winkert, R., Munteanu, D., titlu: Green synthesis of silver chloride nanoparticles using Rhodotorula mucilaginosa revista: Powder Metallurgy and Advanced Materials conferinta: 5th International Conference on Powder Metallurgy & amp; amp; WOS: 000452925200004 <a href="https://doi.org/10.21741/9781945291999-4">https://doi.org/10.21741/9781945291999-4</a>	(50*0.1/4)	1.25
	Bedo, T., Munteanu, S.I., Popescu, I., Chiriac, A., Pop, M.A., Milosan, I., Munteanu, D., titlu: Method for translating 3D bone defects into personalized implants made by Additive Manufacturing revista: MATERIALS TODAY-PROCEEDINGS conferinta: 11th International Conference on Materials Science and Engineering (BraMat) issn: 22147853 WOS: 000496428200019 <a href="https://doi.org/10.1016/j.matpr.2019.08.018">https://doi.org/10.1016/j.matpr.2019.08.018</a>	(50*0.1/7)	0.714
	TOTAL		3.005
2.2	Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale		
50xX/nr.aut ori X=0,08	Nitoi, A., Pop, M.A., Peng, T.T., Bedo, T., Munteanu, S.I., Ghiuta, I., Munteanu, D., titlu: art: Build Orientation Influence on some Mechanical Properties of 3D-Printed Polyamide Specimens revista: Advanced Engineering Forum BDI issn: 2234-991X An Aparitie: 2019 Autori: 7 <a href="https://www.scientific.net/AEE.34.3">https://www.scientific.net/AEE.34.3</a>	(50*0.08/7)	0.571
	Pătru, M., Cristea, D., Ghiuță, I., Munteanu, D., titlu: art: The effect of AlN/Ti interlayers on the mechanical and tribological behaviour of DLC coatings revista: European Conference on Heat Treatment 2015 and 22nd Heat Treatment and Surface Engineering from Tradition to Innovation Congress,	(50*0.08/4)	1



	Ghiuță, I., Cristea, D., Tint, D., Munteanu, D., titlu _art: Surface modification of metallic biomaterials used as medical implants and prostheses revista:Buletin of the Transilvania University of Brasov. Engineering Sciences. Series I BDI:ProQuest issn:2065-2119 An Aparitie:2015 Autori:4	(50*0.08/4)	1
	Cristea, D., Ghiuță, I., Munteanu, D., titlu _art: Tantalum based materials for implants and prostheses applications revista:Buletin of the Transilvania University of Brasov. Engineering Sciences. Series I BDI:ProQuest issn:2065-2119 An Aparitie:2015 Autori:3	(50*0.08/3)	1.333
	Ghiuță, I., Cristea, D., Munteanu, D., titlu _art: Synthesis methods of metallic nanoparticles-an overview revista:Buletin of the Transilvania University of Brasov. Engineering Sciences. Series I BDI:EBSCO issn:2065-2119 An Aparitie:2017 Autori:3	(50*0.08/3)	1.333
	Ghiuță, I., Cristea, D., Milosan, I., Munteanu, D., titlu _art: Synthesis of Metallic Nanoparticles Mediated by Microbes revista:RECENT, Vol. 18, no. 3(53) November, p. 177-183 BDI:Ulrichswel issn:20654529 An Aparitie:2017 Autori:4	(50*0.08/4)	1
2.4.1.1	Granturi/proiecte internationale castigate prin competitie	TOTAL	6.237
20 x ani de desfășurare	titlu:Eco-friendly Nanoparticles used in Solar Photocatalysis Treatments of Wastewater finantator:UNINEA EUROPEANA (HORIZON 2020 - SFERA III) nrctr:5URPF1904050065 (No 823802) perioada:20202021 Valoarea grant:1 anidesfasurare:1 <a href="https://sfera3.soliab.eu/transnational-access-activities/">https://sfera3.soliab.eu/transnational-access-activities/</a>	20*1	20.0000
2.4.2.1	Membru in echipe internationale	TOTAL	20.0000
4 x ani de desfasurare	titlu: Driving up reliability and efficiency of additive manufacturing, FOF-13-2016, nr. 723699 perioada:2016-2019, ani desfasurare:3 <a href="https://www.dream-euproject.eu/partners/">https://www.dream-euproject.eu/partners/</a>	4*3	12.0000
	titlu: Grant FP7-SFERA II, Agreement No.:312643 P1502060091: Using the solar energy to heat treatments of special alloys resistant to low temperatures Acronym: SE-HTRLT perioada:20152015 anidesfasurare:1	4*1	4.0000



		TOTAL	16.0000
2.4.2.2	Membru în echipa naţionale		
2 x ani desfasurare	titlu: Noi metodologii de diagnosticare si tratament: provocari actuale si solutii tehnologice bazate pe nanomateriale si biomateriale – Acronim: SANOMAT perioada:20182021 finantator:UEFISCDI nrctr:58PCCDI anidesfasurare:3	2*3	6.0000
	titlu:Magnetron sputtered Me-Me binary oxynitride multifunctional thin solid films perioada:20202022 finantator:UEFISCDI nrctr:PN-III-P1-1.1-TE-2019-1209 anidesfasurare:3	2*3	6.0000
		TOTAL	12.0000
3.1.1	Citări în reviste cotate în ISI Thomson Reuters-Web of Science Core Collection		
1.	Titlu citat: Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using Bacillus species. ISSN citat: 0169-4332, Autori: Ghiuţă, I., Cristea, D., Croitoru, C., Kost, J., Wenkert, R., Wyrides, I., Anayotos, A., Munteanu, D. Titlu: Synthesis of silver nanoparticles with remediative potential using discarded yerba mate: An eco-friendly approach. Revista: Journal of Environmental Chemical Engineering, ISSN citează: 2213-2929, An Aparitie: 2020, Autori: Gordon-Falconi, C., Iannone, MF, Zawoznik, MS, Cumbal, L, Debut, A, Groppa, MD. Autori: 8, CoefM: 20, FI= 4.3, WOS:0006004090000005 <a href="https://doi.org/10.1016/j.jece.2020.104425">https://doi.org/10.1016/j.jece.2020.104425</a>	(20/8)	2.5
2.	Titlu citat: Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using Bacillus species ISSN citat: 0169-4332, Autori: Ghiuţă, I., Cristea, D., Croitoru, C., Kost, J., Wenkert, R., Wyrides, I., Anayotos, A., Munteanu, D. Titlu: Biogenic Metal Nanoparticles: A New Approach to Detect Life on Mars? Revista: Life, ISSN citează: 2075-1729, An Aparitie: 2020, Autori: Simoes, MF, Ottanl, CA, Antunes, A. Autori: 8 CoefM: 20, FI = 2.991, WOS:0005250400000008 <a href="https://doi.org/10.3390/life10030028">https://doi.org/10.3390/life10030028</a>	(20/8)	2.5



3.	<p><b>Titlu citat:</b> Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using <i>Bacillus</i> species. ISSN citat: 01694332 Autori: <b>Ghiuță, I., Cristea, D., Croitoru, C., Kost, J., Wenkert, R., Vyrides, I., Anayiotos, A., Munteanu, D.</b></p> <p><b>Titlu:</b> Microwave-assisted green synthesis of silver nanoparticles using dried extracts of <i>Chlorella vulgaris</i> and antibacterial activity studies. Revista: Green Processing and Synthesis, ISSN citează: 2191-9542, An Apariție: 2020, Autori: Torabfian, M. Yuce, M.</p> <p>Autori: 8 CoefM: 15, FI = <b>1.672</b>, WOS: 000540489900001 <a href="https://doi.org/10.1515/gps-2020-0024">https://doi.org/10.1515/gps-2020-0024</a></p>	(15/8)	1.875
4.	<p><b>Titlu citat:</b> Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using <i>Bacillus</i> species. ISSN citat: 0169-4332, Autori: <b>Ghiuță, I., Cristea, D., Croitoru, C., Kost, J., Wenkert, R., Vyrides, I., Anayiotos, A., Munteanu, D.</b></p> <p><b>Titlu:</b> A flower shape-green synthesis and characterization of silver nanoparticles (AgNPs) with different starch as a reducing agent. Revista: Journal of Materials Research and Technology ISSN citează: 2238-7854, An Apariție: 2020, Autori: Ponsant, K., Tangnorawich, B., Ngernyuan, N., Pechyen, C.</p> <p>Autori: 8 CoefM: 30, FI = <b>5.289</b>, WOS: 000579367500138 <a href="https://doi.org/10.1016/j.jmrt.2020.07.077">https://doi.org/10.1016/j.jmrt.2020.07.077</a></p>	(30/8)	3.75
5.	<p><b>Titlu citat:</b> Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using <i>Bacillus</i> species ISSN citat: 01694332, Autori: <b>Ghiuță, I., Cristea, D., Croitoru, C., Kost, J., Wenkert, R., Vyrides, I., Anayiotos, A., Munteanu, D.</b></p> <p><b>Titlu:</b> Optical and electrochemical studies of silver nanoparticles biosynthesized by <i>Haplophyllum tuberculatum</i> extract and their antibacterial activity in wastewater treatment. Revista: Materials Research Express, ISSN citează: 2053-1591, An Apariție: 2019, Autori: El-Aswari, El., Zahran, MM., El-Kemary, M.</p> <p>Autori: 8 CoefM: 15, FI = <b>1.929</b>, WOS: 000480299800016 <a href="https://doi.org/10.1088/2053-1591/ab35ba">https://doi.org/10.1088/2053-1591/ab35ba</a></p>	(15/8)	1.875



6.	<p><u>Titlu citat:</u> Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using <i>Bacillus</i> species. ISSN citat: 0169-4332. Autori: <b>Ghiuţă, I., Cristea, D., Croitoru, C., Kost, J., Wenkert, R., Vyrides, I., Anayiotos, A., Munteanu, D.</b></p> <p><u>Titlu:</u> Bioprospecting a native silver-resistant <i>Bacillus safensis</i> strain for green synthesis and subsequent antibacterial and anticancer activities of silver nanoparticles. Revista: Journal of Advanced Research. ISSN citeaza: 2090-1232. An Aparitie: 2020 Autori: 8 Coefm: 30. Autori: Ahmed, T., Shahid, M., Noman, M., Niaz, M.B., Zubair, M., Almatroudi, A., Khurshid, M., Tariq, F., Murtaz, R., Li, B. FI = 6.992, WOS: 000550190000015 <a href="https://doi.org/10.1016/j.jare.2020.05.011">https://doi.org/10.1016/j.jare.2020.05.011</a></p>	(30/8)	3.75
7.	<p><u>Titlu citat:</u> Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using <i>Bacillus</i> species ISSN citat: 0169-4332. Autori: <b>Ghiuţă, I., Cristea, D., Croitoru, C., Kost, J., Wenkert, R., Vyrides, I., Anayiotos, A., Munteanu, D.</b></p> <p><u>Titlu:</u> Effect of TS-1 Crystal Planes on the Catalytic Activity of Au/TS-1 for Direct Propylene Epoxidation with H<sub>2</sub> and O<sub>2</sub>. Revista: ACS Sustainable Chemistry &amp; Engineering ISSN citeaza: 2168-0485. An Aparitie: 2020. Autori: Li, ZS.; Chen, XY.; Ma, WH.; Zhong, Q.</p> <p>Autori: 8 Coefm: 30, FI = 7.632, WOS: 000541876900004 <a href="https://doi.org/10.1021/acscchemeng.9b07205">https://doi.org/10.1021/acscchemeng.9b07205</a></p>	(30/8)	3.75
8.	<p><u>Titlu citat:</u> Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using <i>Bacillus</i> species. ISSN citat: 0169-4332. Autori: <b>Ghiuţă, I., Cristea, D., Croitoru, C., Kost, J., Wenkert, R., Vyrides, I., Anayiotos, A., Munteanu, D.</b></p> <p><u>Titlu:</u> Synthesis, Characterization and Antimicrobial Activity of <i>Bacillus subtilis</i>-Derived Silver Nanoparticles Against Multidrug-Resistant Bacteria. Revista: Jundishapur Journal of Microbiology ISSN citeaza: 2008-4161. An Aparitie: 2020. Autori: Tariq, F., Ahmed, N., Afzal, M., Khan, MAU, Zeshan, B.</p> <p>Autori: 8 Coefm: 10, FI = 0.593, WOS: 000548619200004 <a href="https://doi.org/10.5812/jjm.91934">https://doi.org/10.5812/jjm.91934</a></p>	(10/8)	1.25



9.	<p><u>Titlu citat:</u> Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using <i>Bacillus</i> species, ISSN citat: 0169-4332, Autori: <b>Ghiuță, I., Cristea, D., Croitoru, C., Kost, J., Wenkert, R., Vyrides, I., Anayiotos, A., Munteanu, D.</b></p> <p><u>Titlu:</u> New avenues of controlling microbial infections through anti-microbial and anti-biofilm potentials of green mono- and multi-metallic nanoparticles: A review. Revista: Journal of Microbiological Methods, ISSN citeaza: 0167-7012, An Aparitie: 2020 Autori: Das, P., Karankar, V.S. Autori: 8 CoefM: 15, FI = 1.707, WOS: 000501404200014 <a href="https://doi.org/10.1016/j.jmimet.2019.105766">https://doi.org/10.1016/j.jmimet.2019.105766</a></p>	(15/8)	1.875
10.	<p><u>Titlu citat:</u> Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using <i>Bacillus</i> species, ISSN citat: 0169-4332, Autori: <b>Ghiuță, I., Cristea, D., Croitoru, C., Kost, J., Wenkert, R., Vyrides, I., Anayiotos, A., Munteanu, D.</b></p> <p><u>Titlu:</u> Roles of silver nanoparticles adsorbed ions and nanoparticles size in antimicrobial activity of biosynthesized silver nanoparticles. Revista: Materials Research Express, ISSN citeaza: 2053-1591 An Aparitie: 2019, Autori: Huo, C., Khoshnamvand, M., Liu, C.C., Wang, H.Y., Liu, P.L., Yuan, C.G. Autori: 8 CoefM: 15, FI = 1.449, WOS: 000516828900006 <a href="https://doi.org/10.1088/2053-1591/ab608e">https://doi.org/10.1088/2053-1591/ab608e</a></p>	(15/8)	1.875
11.	<p><u>Titlu citat:</u> Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using <i>Bacillus</i> species, ISSN citat: 0169-4332, Autori: <b>Ghiuță, I., Cristea, D., Croitoru, C., Kost, J., Wenkert, R., Vyrides, I., Anayiotos, A., Munteanu, D.</b></p> <p><u>Titlu:</u> Facile fabrication of silver on magnetic nanocomposite (Fe<sub>3</sub>O<sub>4</sub>@Chitosan –AgNP nanocomposite) for catalytic reduction of anthropogenic pollutant and agricultural pathogens Revista: International Journal of Biological Macromolecules ISSN citeaza: 0141-8130, An Aparitie: 2020, Autori: Tomke, P.D., Rathod, V.K. Autori: 8 CoefM: 30, FI = 5.162, WOS: 000525795400099 <a href="https://doi.org/10.1016/j.jbiomac.2020.01.183">https://doi.org/10.1016/j.jbiomac.2020.01.183</a></p>	(30/8)	3.75



12.	<p><u>Titlu citat:</u> Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using <i>Bacillus</i> species, ISSN citat:01694332, Autori: <b>Ghiuță, I., Cristea, D., Croitoru, C., Kost, J., Wenkert, R., Vyrides, I., Anayiotos, A., Munteanu, D.</b></p> <p><u>Titlu:</u> Antibacterial and antioxidant activity of exopolysaccharide mediated silver nanoparticle synthesized by <i>Lactobacillus brevis</i> isolated from Chinese koumiss Revista: Colloids and Surfaces B: Biointerfaces, ISSN citeaza: 0927-7765, An Aparitie: 2020, Autori: Rajoka, MSR, Mehwish, HM, Zhang, HC, Ashraf, M., Fang, HY., Zeng, XR., Wu, YG., Khurshid, M., Zhao, LQ., He, ZD.</p> <p>Autori: 8 CoefM: 20, FI = 4.389, WOS: 000518493000047 <a href="https://doi.org/10.1016/j.colsurfb.2019.110734">https://doi.org/10.1016/j.colsurfb.2019.110734</a></p>	(20/8)	2.5
13.	<p><u>Titlu citat:</u> Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using <i>Bacillus</i> species, ISSN citat: 0169-4332, Autori: <b>Ghiuță, I., Cristea, D., Croitoru, C., Kost, J., Wenkert, R., Vyrides, I., Anayiotos, A., Munteanu, D.</b></p> <p><u>Titlu:</u> Interaction of Ionic Liquid with Silver Nanoparticles: Potential Application in Induced Structural Changes of Globular Proteins, Revista: ACS Sustainable Chemistry &amp; Engineering ISSN citeaza: 2168-0485, An Aparitie: 2020, Autori: M.K. Banjare, K. Behera, R. K. Banjare, R. Sahu, S. Sharma, S. Pandey, M. L. Satnam, K. K. Ghosh</p> <p>Autori: 8 CoefM: 30, FI = 7.632, WOS: 000474474800008 <a href="http://dx.doi.org/10.1021/acssuschemeng.8b06598">http://dx.doi.org/10.1021/acssuschemeng.8b06598</a></p>	(30/8)	3.75
14.	<p><u>Titlu citat:</u> Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using <i>Bacillus</i> species, ISSN citat: 0169-4332, Autori: <b>Ghiuță, I., Cristea, D., Croitoru, C., Kost, J., Wenkert, R., Vyrides, I., Anayiotos, A., Munteanu, D.</b></p> <p><u>Titlu:</u> In-vitro antioxidant and antimicrobial activities of metal nanoparticles biosynthesized using optimized <i>Pimpinella anisum</i> extract. Revista: Colloids and Surfaces A: Physicochemical and Engineering Aspects, ISSN citeaza: 0927-7757, An Aparitie: 2020, Autori: M. F. Zayeda, R. A. Mahfozea, S. M. El-kousya, E.A. Al-Ashkar</p> <p>Autori: 8 CoefM: 20, FI = 3.990, WOS: 000502046200087 <a href="https://doi.org/10.1016/j.colsurfa.2019.124167">https://doi.org/10.1016/j.colsurfa.2019.124167</a></p>	(20/8)	2.5



15.	<p><u>Titlu citat:</u> Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using <i>Bacillus</i> species. ISSN citat: 0169-4332, Autori: <b>Ghiuță, I., Cristea, D., Croitoru, C., Kost, J., Wenkert, R., Vyrides, I., Anayotos, A., Munteanu, D.</b></p> <p><u>Titlu:</u> Study of the green synthesis of silver nanoparticles using a natural extract of dark or white <i>Salvia hispanica</i> L. seeds and their antibacterial application, Revista: Applied Surface Science ISSN citeaza: 0169-4332, An Apariție: 2019, Autori: L. Hernández-Morales, H. Espinoza-Gómez, L.Z. Flores-López, E. L. Sotelo-Barrera, A. Núñez-Rivera, R. D. Cadena-Navac, G. Alonso-Múñez, K.A. Espinoza</p> <p>Autori: 8 CoefM: 30, FI = 6.182, WOS: 000474530600102 <a href="https://doi.org/10.1016/j.japsusc.2019.06.031">https://doi.org/10.1016/j.japsusc.2019.06.031</a></p>	(30/8)	3.75
16.	<p><u>Titlu citat:</u> Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using <i>Bacillus</i> species, ISSN citat: 0169-4332, Autori: <b>Ghiuță, I., Cristea, D., Croitoru, C., Kost, J., Wenkert, R., Vyrides, I., Anayotos, A., Munteanu, D.</b></p> <p><u>Titlu:</u> Metal-Based Nanostructures/PLGA Nanocomposites: Antimicrobial Activity, Cytotoxicity, and Their Biomedical Applications, Revista: ACS Applied Materials &amp; Interfaces, ISSN citeaza: 1944-8244, An Apariție: 2019, Autori: E. N. Zare, R. Jamaledin, P. Naserzadeh, E. Afjeh-Dana, B. Ashtari, M. Hosseinzadeh, R. Vecchione, A. Wu, F. R. Tay, A. Borzacchiello, P. Makvandi</p> <p>Autori: 8, CoefM: 30, FI = 8.456, WOS: 000509428300001 <a href="https://dx.doi.org/10.1021/acsami.9b19435">https://dx.doi.org/10.1021/acsami.9b19435</a></p>	(30/8)	3.75
17.	<p><u>Titlu citat:</u> Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using <i>Bacillus</i> species, ISSN citat: 0169-4332, Autori: <b>Ghiuță, I., Cristea, D., Croitoru, C., Kost, J., Wenkert, R., Vyrides, I., Anayotos, A., Munteanu, D.</b></p> <p><u>Titlu:</u> Biogenic synthesis and antibacterial activity of controlled silver nanoparticles using an extract of <i>Gongronema latifolium</i>, Revista: Materials Chemistry and Physics, ISSN citeaza: 0254-0584, An Apariție: 2019, Autori: S. O. Alisida, K. Ugwu, P. A. Akpa, A. C. Nwanya, P. M. Ejike, S. Botha, I. Ahmad, M. Maaza, F. I. Ezema</p> <p>Autori: 8 CoefM: 20, FI = 2.781, WOS: 000489066200037 <a href="https://doi.org/10.1016/j.matchemphys.2019.121859">https://doi.org/10.1016/j.matchemphys.2019.121859</a></p>	(20/8)	2.5



18.	<p><u>Titlu citat:</u> Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using <i>Bacillus</i> species. ISSN citat: 0169-4332, Autori: <b>Ghiuță, I., Cristea, D., Croitoru, C., Kost, J., Wenkert, R., Vyrides, I., Anayotos, A., Munteanu, D.</b></p> <p><u>Titlu:</u> Biogenic Synthesis of Silver Nanoparticles Using <i>Phyllanthus emblica</i> Fruit Extract and Its Inhibitory Action Against the Pathogen <i>Acidovorax oryzae</i> Strain RS-2 of Rice Bacterial Brown Stripe Revista: <i>Frontiers in Microbiology</i>, ISSN citeaza: 1664-302X, An Aparitie: 2019, Autori: Md. M. I. Masum, Mst. M. Siddiqua, K.A. Ali, Y. Zhang, Y. Abdallah, E. Ibrahim, W. Qiu, C. Yan, B. Li</p> <p>Autori: 8, CoefM: 20, FI = 4.259, WOS: 000465855900003</p> <p><a href="https://dx.doi.org/10.3389/fmicb.2019.00820">https://dx.doi.org/10.3389/fmicb.2019.00820</a></p>	(20/8)	2.5
19.	<p><u>Titlu citat:</u> Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using <i>Bacillus</i> species. ISSN citat: 0169-4332, Autori: <b>Ghiuță, I., Cristea, D., Croitoru, C., Kost, J., Wenkert, R., Vyrides, I., Anayotos, A., Munteanu, D.</b></p> <p><u>Titlu:</u> Advances in green synthesis of nanoparticles Revista: <i>Artificial Cells, Nanomedicine and Biotechnology</i>, Revista: <i>Artificial Cells, Nanomedicine and Biotechnology</i>, ISSN citeaza: 2169-1401, An Aparitie: 2019, Autori: A. Gour, N. K. Jain</p> <p>Autori: 8 CoefM: 20, FI = 4.462, WOS: 000461434500001</p> <p><a href="https://doi.org/10.1080/21691401.2019.1577878">https://doi.org/10.1080/21691401.2019.1577878</a></p>	(20/8)	2.5
20.	<p><u>Titlu citat:</u> Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using <i>Bacillus</i> species. ISSN citat: 0169-4332, Autori: <b>Ghiuță, I., Cristea, D., Croitoru, C., Kost, J., Wenkert, R., Vyrides, I., Anayotos, A., Munteanu, D.</b></p> <p><u>Titlu:</u> Biomedical applications of silver nanoparticles: An up-to-date overview, Revista: <i>Nanomaterials</i> ISSN citeaza: 2079-4991, An Aparitie: 2018, Autori: A.-C. Burdusel, O. Gherasim, A. M. Grumezescu, L. Mogoantă, A. Fica, E. Andronescu</p> <p>Autori: 8 CoefM: 20, FI = 3.504, WOS: 000448659200049</p> <p><a href="https://doi.org/10.3390/nano8090681">https://doi.org/10.3390/nano8090681</a></p>	(20/8)	2.5



21.	<p><u>Titlu citat:</u> Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using <i>Bacillus</i> species. ISSN citat: 0169-4332, Autori: <b>Ghiuță, I.,</b> Cristea, D., Croitoru, C., Kost, J., Wenkert, R., Vyrides, I., Anayiotos, A., Munteanu, D.</p> <p><u>Titlu:</u> Silver bullets: A new lustre on an old antimicrobial agent, Revista: Biotechnology advances, ISSN citeaza: 0734-9750, An Aparite: 2018, Autori: J.S. Möhlera, W. Sim, M.A.T. Blaskovich, M.A. Cooper, Z.M. Ziara</p> <p>Autori: 8 CoefM: 30, FI = 11,452, WOS: 000441681300001 <a href="https://doi.org/10.1016/j.biotechadv.2018.05.004">https://doi.org/10.1016/j.biotechadv.2018.05.004</a></p>	(30/8)	3.75
22.	<p><u>Titlu citat:</u> Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using <i>Bacillus</i> species. ISSN citat: 0169-4332, Autori: <b>Ghiuță, I.,</b> Cristea, D., Croitoru, C., Kost, J., Wenkert, R., Vyrides, I., Anayiotos, A., Munteanu, D.</p> <p><u>Titlu:</u> In situ reduction of silver nanoparticles by gelatin to obtain porous silver nanoparticle/chitosan composites with enhanced antimicrobial and wound-healing activity, Revista: International journal of biological macromolecules, ISSN citeaza: 0141-8130, An Aparite: 2019, Autori: H. Yea, J. Cheng, K. Yu</p> <p>Autori: 8 CoefM: 20, FI = 4,784, WOS: 000452346100071 <a href="https://doi.org/10.1016/j.jbiomac.2018.10.056">https://doi.org/10.1016/j.jbiomac.2018.10.056</a></p>	(30/8)	2.5
23.	<p><u>Titlu citat:</u> Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using <i>Bacillus</i> species. ISSN citat: 0169-4332, Autori: <b>Ghiuță, I.,</b> Cristea, D., Croitoru, C., Kost, J., Wenkert, R., Vyrides, I., Anayiotos, A., Munteanu, D.</p> <p><u>Titlu:</u> Cellulose nanowhiskers decorated with silver nanoparticles as an additive to antibacterial polymers membranes fabricated by electrospinning, Revista: Journal of colloid and interface science ISSN citeaza: 0021-9797, An Aparite: 2018, Autori: C. Spagnol, E. H. Fragal, A.G.B. Pereira, C.V. Nakamura, E.C. Muniz, H. D.M. Follmann, R Silva, A.F. Rubira</p> <p>Autori: 8 CoefM: 30, FI = 5,091, WOS: 000444067300074 <a href="https://doi.org/10.1016/j.jcis.2018.07.096">https://doi.org/10.1016/j.jcis.2018.07.096</a></p>	(30/8)	3.75



24.	<p><u>Titlu citat:</u> Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using <i>Bacillus</i> species. ISSN citat: 0169-4332, Autori: <b>Ghiuță, I., Cristea, D., Croitoru, C., Kost, J., Wenkert, R., Vyrides, I., Anayiotos, A., Munteanu, D.</b></p> <p><u>Titlu:</u> Silver nanoparticles as antimicrobial therapeutics: current perspectives and future challenges, Revista: 3 Biotech, ISSN citeaza: 2190-572X, An Aparite: 2018, Autori: P. Prasher, - M. Singh, - H. Mudila</p> <p>Autori: 8 CoefM: 15, FI = 1.497, WOS: 000444687900006 <a href="https://doi.org/10.1007/s13205-018-1436-3">https://doi.org/10.1007/s13205-018-1436-3</a></p>	(15/8)	1.875
25.	<p><u>Titlu citat:</u> Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using <i>Bacillus</i> species. ISSN citat: 0169-4332, Autori: <b>Ghiuță, I., Cristea, D., Croitoru, C., Kost, J., Wenkert, R., Vyrides, I., Anayiotos, A., Munteanu, D.</b></p> <p><u>Titlu:</u> Biosynthesis of Silver Nanoparticles Using Safflower Flower: Structural Characterization, and Its Antibacterial Activity on Applied Wool Fabric, Revista: Journal of Inorganic and Organometallic Polymers and Materials, ISSN citeaza: 1574-1443, An Aparite: 2018, Autori: S. N. Aboutorabi, - M. Nasirboroumand, - P. Mohammadi, - H. Sheibani, - H. Barani</p> <p>Autori: 8 CoefM: 15, FI = 1.754, WOS: 000449330700035 <a href="https://doi.org/10.1007/s10904-018-0925-5">https://doi.org/10.1007/s10904-018-0925-5</a></p>	(15/8)	1.875
26.	<p><u>Titlu citat:</u> Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using <i>Bacillus</i> species. ISSN citat: 0169-4332, Autori: <b>Ghiuță, I., Cristea, D., Croitoru, C., Kost, J., Wenkert, R., Vyrides, I., Anayiotos, A., Munteanu, D.</b></p> <p><u>Titlu:</u> The production and application of hydrogels for wound management: A review, Revista: European Polymer Journal, ISSN citeaza: 0014-3057, An Aparite: 2018, Autori: A. Gupta, M. Kowalczyk, W. Heesgrave, S. T. Britland, C. Martin, I. Radecka</p> <p>Autori: 8 CoefM: 20, FI = 3.741, WOS: 000458597600016 <a href="https://doi.org/10.1016/j.eurpolymj.2018.12.019">https://doi.org/10.1016/j.eurpolymj.2018.12.019</a></p>	(20/8)	2.5



27.	<p><u>Titlu citat:</u> Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using <i>Bacillus</i> species. ISSN citat: 0169-4332, Autori: <b>Ghiuță, I., Cristea, D., Croitoru, C., Kost, J., Wenkert, R., Vyrides, I., Anayiotos, A., Munteanu, D.</b></p> <p><u>Titlu:</u> Catalytic and anti-bacterial properties of biosynthesized silver nanoparticles using native inulin</p> <p>Revista: RSC Advances, ISSN citeaza: 2046-2069, An Aparite: 2018, Autori: W. Xu, K. Huang, W. Jin, D. Luo, H. Liu, Y. Li, X. Liu</p> <p>Autori: 8 CoefM: 20, FI = 2.936, WOS: 000442616800056 <a href="https://doi.org/10.1039/c8ra03386b">https://doi.org/10.1039/c8ra03386b</a></p>	(20/8)	2.5
28.	<p><u>Titlu citat:</u> Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using <i>Bacillus</i> species ISSN citat: 0169-4332, Autori: <b>Ghiuță, I., Cristea, D., Croitoru, C., Kost, J., Wenkert, R., Vyrides, I., Anayiotos, A., Munteanu, D.</b></p> <p><u>Titlu:</u> RE-irradiation of silver nanoparticles obtained by laser ablation in water and assessment of their antibacterial effect. Revista: Applied Surface Science, ISSN citeaza: 0169-4332, An Aparite: 2019, Autori: M.Fernández-Arias, M.Boutinguiza, J.del Val, E.Medina, D.Rodríguez, A.Riveiro, R.Comesaña, F.Lusquinos, F.J.Gild, J.Pou</p> <p>Autori: 8 CoefM: 30, FI = 5.155, WOS: 000456951700071 <a href="https://doi.org/10.1016/j.apsusc.2018.12.182">https://doi.org/10.1016/j.apsusc.2018.12.182</a></p>	(30/8)	3.75
29.	<p><u>Titlu citat:</u> Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using <i>Bacillus</i> species. ISSN citat: 0169-4332, Autori: <b>Ghiuță, I., Cristea, D., Croitoru, C., Kost, J., Wenkert, R., Vyrides, I., Anayiotos, A., Munteanu, D.</b></p> <p><u>Titlu:</u> Microorganism Assisted Synthesized Nanoparticles for Catalytic Applications, Revista: Energies ISSN citeaza: 1996-1073, An Aparite: 2019, Autori: X. Fang, Y. Wang, Z. Wang, Z. Jiang, M. Dong</p> <p>Autori: 8 CoefM: 20, FI = 2.707, WOS: 000460665000190 <a href="http://dx.doi.org/10.3390/en12010190">http://dx.doi.org/10.3390/en12010190</a></p>	(20/8)	2.5



30.	<p><u>Titlu citat:</u> Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using <i>Bacillus</i> species, ISSN citat: 0169-4332, Autori: <b>Ghiuţă, I., Cristea, D., Croitoru, C., Kost, J., Wenkert, R., Vyrides, I., Anayiotos, A., Munteanu, D.</b></p> <p><u>Titlu:</u> Biogenic synthesis, characterization and investigation of photocatalytic and antimicrobial activity of manganese nanoparticles synthesized from Cinnamomum verum bark extract, Revista: Journal of Molecular Structure, ISSN citeaza: 0022-2860, An Aparte: 2019, Autori: U. Kamran, H. N. Bhatti, M. Iqbal, S. Jamil, M. Zahid</p> <p>Autori: 8 CoefM: 20, FI = 2.120, WOS: 000456491500057 <a href="https://doi.org/10.1016/j.molstruc.2018.11.006">https://doi.org/10.1016/j.molstruc.2018.11.006</a></p>	(20/8)	2.5
31.	<p><u>Titlu citat:</u> Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using <i>Bacillus</i> species, ISSN citat: 0169-4332, Autori: <b>Ghiuţă, I., Cristea, D., Croitoru, C., Kost, J., Wenkert, R., Vyrides, I., Anayiotos, A., Munteanu, D.</b></p> <p><u>Titlu:</u> Tips and Tricks for the Surface Engineering of Well-Ordered Morphologically Driven Silver-Based Nanomaterials, Revista: Chemistry Open, ISSN citeaza: 2191-1363, An Aparte: 2019, Autori: R. Nistică, P. Rivoio, F. Giorgis</p> <p>Autori: 8 CoefM: 20, FI = 2.205, WOS: 000472717600001 <a href="https://doi.org/10.1002/open.201900007">https://doi.org/10.1002/open.201900007</a></p>	(20/8)	2.5
32.	<p><u>Titlu citat:</u> Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using <i>Bacillus</i> species ISSN citat: 0169-4332, Autori: <b>Ghiuţă, I., Cristea, D., Croitoru, C., Kost, J., Wenkert, R., Vyrides, I., Anayiotos, A., Munteanu, D.</b></p> <p><u>Titlu:</u> Facile green bio-fabricated silver nanoparticles from <i>Microchaete</i> infer dose-dependent antioxidant and anti-proliferative activity to mediate cellular apoptosis revista: Bioorganic Chemistry ISSN citeaza: 0045-2068, An Aparte: 2021, Autori: S. Husain, S. K Verma, D. Yasin, Hemlata, M. M. A. Rizvi, T. Fatma</p> <p>Autori: 8, CoefM: 20, FI = 4.831, WOS: 000618104300003 <a href="https://doi.org/10.1016/j.bioorg.2020.104535">https://doi.org/10.1016/j.bioorg.2020.104535</a></p>	(20/8)	2.5



33.	<p><u>Titlu citat:</u> Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using <i>Bacillus</i> species, ISSN citat: 0169-4332, Autori: Ghiuță, I., Cristea, D., Croitoru, C., Kost, J., Wenkert, R., Vyrides, I., Anayiotos, A., Munteanu, D.</p> <p><u>Titlu:</u> Celluloses as support materials for antibacterial agents: a review, Revista: Cellulose ISSN citeaza: 0969-0239, An Aparitie: 2021, Autori: H. Ahmad</p> <p>Autori: 8 CoefM: 20, FI = 4.210, WOS: 000615762900005</p> <p><a href="https://doi.org/10.1007/s10570-021-03703-2">https://doi.org/10.1007/s10570-021-03703-2</a></p>	(20/8)	2.5
34.	<p><u>Titlu citat:</u> Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using <i>Bacillus</i> species ISSN citat: 0169-4332, Autori: Ghiuță, I., Cristea, D., Croitoru, C., Kost, J., Wenkert, R., Vyrides, I., Anayiotos, A., Munteanu, D.</p> <p><u>Titlu:</u> Inhibition of microbial growth by silver nanoparticles synthesized from <i>Fraxinus xanthoxyloides</i> leaf extract, Revista: Journal of Applied Microbiology, ISSN citeaza: 1364-5072, An Aparitie: 2020, Autori: A. Rafiq, K. Zahid, A. Qadir, M.N. Khan, Z.M. Khalid, N. Ali</p> <p>Autori: 8 CoefM: 20, FI = 3.066, WOS: 000598632500001</p> <p><a href="https://doi.org/10.1111/jam.14944">https://doi.org/10.1111/jam.14944</a></p>	(20/8)	2.5
35.	<p><u>Titlu citat:</u> Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using <i>Bacillus</i> species, ISSN citat: 0169-4332, Autori: Ghiuță, I., Cristea, D., Croitoru, C., Kost, J., Wenkert, R., Vyrides, I., Anayiotos, A., Munteanu, D.</p> <p><u>Titlu:</u> Polysaccharide-based substrate for surface-enhanced Raman spectroscopy, Revista: SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY ISSN citeaza: 1386-1425, An Aparitie: 2021, Autori: Barbosa, IB., Barbosa-Dekker, AM., Dekker, RFH., Bezerra, AG., de Santana, H., Orsato, A.</p> <p>Autori: 8, CoefM: 20, FI = 3.232, WOS: 000609024100023</p> <p><a href="https://dx.doi.org/10.1016/j.saa.2020.119255">https://dx.doi.org/10.1016/j.saa.2020.119255</a></p>	(20/8)	2.5



36.	<p><u>Titlu citat:</u> Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using <i>Bacillus</i> species. ISSN citat: 0169-4332. Autori: <b>Ghiuță, I., Cristea, D., Croitoru, C., Kost, J., Wenkert, R., Vyrides, I., Anayiotos, A., Munteanu, D.</b></p> <p><u>Titlu:</u> Transformation of Biowaste for Medical Applications: Incorporation of Biologically Derived Silver Nanoparticles as Antimicrobial Coating. Revista: Antibiotics-Basel, ISSN citeaza: 2079-6382. An Apartie: 2021, Autori: Vigneswar, S., Amelia, TSM., Hazwan, MH., Mourya, GK, Bhubalan, K, Amrui, AA., Ramakrishna, S.</p> <p>Autori: 8, CoefM: 20, FI = <b>3.893</b>, WOS: 000633293200001 <a href="https://dx.doi.org/10.3390/antibiotics10030229">https://dx.doi.org/10.3390/antibiotics10030229</a></p>	(20/8)	2.5
37.	<p><u>Titlu citat:</u> Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using <i>Bacillus</i> species. ISSN citat: 0169-4332. Autori: <b>Ghiuță, I., Cristea, D., Croitoru, C., Kost, J., Wenkert, R., Vyrides, I., Anayiotos, A., Munteanu, D.</b></p> <p><u>Titlu:</u> Characterization of biosynthesized silver nanoparticles by <i>Haplophyllum tuberculatum</i> plant extract under microwave irradiation and detecting their antibacterial activity against some wastewater microbes. Revista: Desalination and Water Treatment, ISSN citeaza: 1944-3994, An Apartie: 2020, Autori: El-Aswar, El., Gaber, SES., Zahran, MM., Abdelaleem, AH.</p> <p>Autori: 8, CoefM: 10, FI = <b>0.854</b>, WOS: 000558661500027 <a href="https://dx.doi.org/10.5004/dwt.2020.25876">https://dx.doi.org/10.5004/dwt.2020.25876</a></p>	(10/8)	1.25
38.	<p><u>Titlu citat:</u> Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using <i>Bacillus</i> species. ISSN citat: 0169-4332. Autori: <b>Ghiuță, I., Cristea, D., Croitoru, C., Kost, J., Wenkert, R., Vyrides, I., Anayiotos, A., Munteanu, D.</b></p> <p><u>Titlu:</u> Application of statistical method in the study of the influence of hydrogen peroxide and sodium borohydride on silver nanoparticle synthesis (AGNPS). Revista: Materia-Rio De Janeiro, ISSN citeaza: 1517-7076, An Apartie: 2019,</p> <p>Autori: Rodrigues, JFB., Brandao, PED., Guimaraes, PQ., Pinto, MRD., Wellen, RMR., Fook, MVL</p> <p>Autori: 8, CoefM: 5, FI = <b>0.174</b>, WOS: 000486574600009 <a href="https://dx.doi.org/10.1590/S1517-707620190003.0708">https://dx.doi.org/10.1590/S1517-707620190003.0708</a></p>	(5/8)	0.625



39.	<p><u>Titlu citat:</u> Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using <i>Bacillus</i> species. ISSN citat: 0169-4332, Autori: <b>Ghiuță, I., Cristea, D., Croitoru, C., Kost, J., Wenkert, R., Vyrides, I., Anayiotos, A., Munteanu, D.</b></p> <p><u>Titlu:</u> Nano-Bio Selenium Synthesized by <i>Bacillus subtilis</i> Modulates Broiler Performance, Intestinal Morphology and Microbiota, and Expression of Tight Junction's Proteins, Revista: Biological Trace Element Research, ISSN citeaza: 0163-4984, An Aparitie: 2021, Autori: Ali, F., Saeed, K., Fatemeh, H. Autori: 8, CoefM: 20, FI = 2.43, WOS: 000656772100001 <a href="https://dx.doi.org/10.1007/s12011-021-02767-2">https://dx.doi.org/10.1007/s12011-021-02767-2</a></p>	(20/8)	2.5
40.	<p><u>Titlu citat:</u> Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using <i>Bacillus</i> species. ISSN citat: 0169-4332, Autori: <b>Ghiuță, I., Cristea, D., Croitoru, C., Kost, J., Wenkert, R., Vyrides, I., Anayiotos, A., Munteanu, D.</b></p> <p><u>Titlu:</u> Plant-Mediated Synthesis and Characterization of Silver and Copper Oxide Nanoparticles: Antibacterial and Heavy Metal Removal Activity, Revista: Journal of Cluster Science, ISSN citeaza: 1040-7278, An Aparitie: 2021, Autori: Verna, A., Bhavadvaja, N. Autori: 8, CoefM: 15, FI = 1.731, WOS: 000655849400001 <a href="https://dx.doi.org/10.1007/s10876-021-02091-8">https://dx.doi.org/10.1007/s10876-021-02091-8</a></p>	(15/8)	1.875
41.	<p><u>Titlu citat:</u> Surface modification of metallic biomaterials used as medical implants and prostheses. Revista: Bulletin of the Transilvania University of Brasov. Engineering Sciences. Series I, ISSN citat: 2065-2119, Autori: <b>Ghiuța, I., Cristea, D., Tint, D., Munteanu</b></p> <p><u>Titlu:</u> Additive Manufacturing of Titanium-Based Implants with Metal-Based Antimicrobial Agents, Revista: Metals, ISSN citeaza: 2075-4701, An Aparitie: 2021, Autori: Rodrigues, JFB, Brandao, PED, Guimaraes, PQ, Pinto, MRD, Wellen, RMR, Fook, MVL. Autori: 4, CoefM: 20, FI = 2.117, WOS: 000633867900001 <a href="https://doi.org/10.3390/met11030453">https://doi.org/10.3390/met11030453</a></p>	(20/4)	5



42.	<p><u>Titlu citat:</u> Synthesis methods of metallic nanoparticles - An overview , ISSN citat:20652119, Autori: <b>Ghiuţă, I., Cristea, D., Munteanu, D.</b></p> <p><u>titlu:</u> Silver nanoparticle from whole cells of the fungi Trichoderma spp. isolated from Brazilian Amazon revista: Biotechnology Letters, ISSN citeaza: 0141-5492, An Aparitie: 2020, Autori: M.M. Ramos, E. dos S. Morais, I. da S. Sena, A. L. Lima, Fa bio R. de Oliveira, C. M. de Freitas,, C. P. Fernandes, J.C.T. de Carvalho, I. M. Ferreira</p> <p>Autori: 3 CoefM: 15, FI = <b>1.977</b>, WOS: 000515860400001</p> <p><a href="https://doi.org/10.1007/s10529-020-02819-y">https://doi.org/10.1007/s10529-020-02819-y</a></p>	(15/3)	5
43.	<p><u>Titlu citat:</u> Synthesis methods of metallic nanoparticles - An overview, ISSN citat: 2065-2119, Autori: <b>Ghiuţă, I., Cristea, D., Munteanu, D.</b></p> <p><u>Titlu:</u> Laser fabrication of Cu nanoparticles based nanofluid with enhanced thermal conductivity: Experimental and molecular dynamics studies, Revista: Journal of Molecular Liquids, ISSN citeaza: 0167-7322, An Aparitie: 2021, Autori: T.Khamliche, S.Khamlich, K.Moodley, B.M.Mothudi, M.Henini, M. Maaza</p> <p>Autori: 3 CoefM: 30, FI = <b>5.065</b>, WOS: 000610844800074</p> <p><a href="https://doi.org/10.1016/j.molliq.2020.114975">https://doi.org/10.1016/j.molliq.2020.114975</a></p>	(30/3)	10
44.	<p><u>Titlu citat:</u> Method for translating 3D bone defects into personalized implants made by Additive Manufacturing, Revista: Materials Today-Proceedings conferinta: 11th International Conference on Materials Science and Engineering (BraMat), ISSN citat: 2214-7853, Autori: Bedo, T., Munteanu, S.I., <b>Popescu, I., Chiriac, A. Pop, M.A., Milosan, I., Munteanu, D.</b></p> <p><u>Titlu:</u> Selective Laser Melting of Patient Individualized Osteosynthesis Plates-Digital to Physical Process Chain, Revista: Materials, ISSN citeaza: 1996-1944, An Aparitie: 2020 Autori: Edelmann, A., Dubis, M., Hellmann, R.</p> <p>Autori: 7 CoefM: 20, FI = <b>3.057</b>, WOS:000602742600001</p> <p><a href="https://doi.org/10.3390/ma13245786">https://doi.org/10.3390/ma13245786</a></p>	(20/7)	2.857



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46.	<p><u>Titlu citat:</u> Tantalum based materials for implants and prostheses applications, ISSN citat: 2065-2119, Autori: Cristea, D., Ghiuță, I., Munteanu, D.</p> <p><u>Titlu:</u> Structure and Properties of Tantalum Coatings Obtained by Electron Beam Technology on Aluminum Substrates, Revista: Applied Sciences, ISSN citeaza: 2076-3417, An Apartie: 2020, Autori: K. Ananiashev, M. Okrosashvili, T. Loladze, N. Valko, T. N. Koltunowicz</p> <p>Autori: 3 CoefM: 20, FI = 2.474, WOS: 000543385900074</p> <p><a href="https://doi.org/10.3390/app10113737">https://doi.org/10.3390/app10113737</a></p>	(20/3)	6.666
47.	<p><u>Titlu citat:</u> Tantalum based materials for implants and prostheses applications, ISSN citat: 2065-2119, Autori: Cristea, D., Ghiuță, I., Munteanu, D.</p> <p><u>Titlu:</u> Tantalum boride as a biocompatible coating to improve osteogenesis of the bionano interface Revista: Journal of Biomedical Materials Research PART A, ISSN citeaza: 1549-3296, An Apartie: 2020, Autori: R. Li, G. Liu, L. Yang, Y. Qing, X. Tang, D. Guo, K. Zhang, Y. Qin</p> <p>Autori: 3, CoefM: 20, FI = 3.525, WOS: 000524904000001</p> <p><a href="https://doi.org/10.1002/jbm.a.36940">https://doi.org/10.1002/jbm.a.36940</a></p>	(20/3)	6.666



48.	<p><u>Titlu citat:</u> Tantalum based materials for implants and prostheses applications. ISSN citat: 2065-2119, Autori: Cristea, D., Ghiuță, I., Munteanu, D.</p> <p><u>Titlu:</u> Development of stacked porous tantalum oxide layers by anodization, Revista: Applied Surface Science, ISSN citeaza: 0169-4332, An Aparitie: 2020, Autori: L.Fialhoa, C.F.Almeida Alves, L.S.Marques, S.Carvalho</p> <p>Autori: 3 CoefM: 30, FI = 6.182, WOS:000517883800021 <a href="https://doi.org/10.1016/j.apsusc.2020.145542">https://doi.org/10.1016/j.apsusc.2020.145542</a></p>	(30/3)	10
49.	<p><u>Titlu citat:</u> Tantalum based materials for implants and prostheses applications, ISSN citat: 2065-2119, Autori: Cristea, D., Ghiuță, I., Munteanu, D.</p> <p><u>Titlu:</u> Surface engineering of nanostructured Ta surface with incorporation of osteoconductive elements by anodization, Revista: Applied Surface Science, ISSN citeaza: 0169-4332, An Aparitie: 2019, Autori: L.Fialho, S.Carvalho</p> <p>Autori: 3 CoefM: 30, FI = 5.155, WOS: 000486177700096 <a href="https://doi.org/10.1016/j.apsusc.2019.143573">https://doi.org/10.1016/j.apsusc.2019.143573</a></p>	(30/3)	10
50.	<p><u>Titlu citat:</u> Tantalum based materials for implants and prostheses applications. ISSN citat: 2065-2119, Autori: Cristea, D., Ghiuță, I., Munteanu, D.</p> <p><u>Titlu:</u> Metallic biomaterials: Current challenges and opportunities, Revista: Materials, ISSN citeaza: 1996-1944, An Aparitie: 2017, Autori: K. Prasad, O. Bazaka, M. Chua, M. Rochford, L. Fedrick, J. Spoor, R. Symes, M. Tieppo, C. Collins, A. Cao, D. Markwell, K. K. Ostrikov, K. Bazaka</p> <p>Autori: 3 CoefM: 20, FI = 2.467, WOS:000408731600038 <a href="https://doi.org/10.3390/ma10080884">https://doi.org/10.3390/ma10080884</a></p>	(20/3)	6,666



51.	<p><u>Titlu citat:</u> Tantalum based materials for implants and prostheses applications, ISSN citat: 2065-2119, Autori: Cristea, D., Ghiuță, I., Munteanu, D.</p> <p><u>Titlu:</u> Optical properties of refractory metal based thin films, Revista: Optical Materials Express, ISSN citeaza: 2159-3930, An Aparitie: 2018, Autori: A. Banerjee, R.M. Heath, D. Morozov, D. Hemakumara, U. Nasti, I.Thayne, R.H. Hadfield</p> <p>Autori: 3 CoefM: 20, FI = 2.566, WOS: 000440471800004 <a href="https://doi.org/10.1364/OME.8.002072">https://doi.org/10.1364/OME.8.002072</a></p>	(20/3)	6.666
52.	<p><u>Titlu citat:</u> Tantalum based materials for implants and prostheses applications, ISSN citat: 2065-2119, Autori: Cristea, D., Ghiuță, I., Munteanu, D.</p> <p><u>Titlu:</u> Laser surface microstructuring of biocompatible materials using a microlens array and the Talbot effect: evaluation of the cell adhesion, Revista: Materials, ISSN citeaza: 1996-1944, An Aparitie: 2017, Autori: M. Aymerich, D. Nieto, E. Álvarez, M. T Flores-Arias</p> <p>Autori: 3 CoefM: 20, FI = 2.654, WOS: 000395445800121 <a href="https://doi.org/10.3390/ma10020214">https://doi.org/10.3390/ma10020214</a></p>	(20/3)	6.666
53.	<p><u>Titlu citat:</u> Tantalum based materials for implants and prostheses applications, ISSN citat: 2065-2119, Autori: Cristea, D., Ghiuță, I., Munteanu, D.</p> <p><u>Titlu:</u> Tantalum chemical vapor deposition on substrates from various materials, Revista: Inorganic Materials, ISSN citeaza: 0020-1685, An Aparitie: 2017, Autori: O. Yu. Goncharov, S. Yu. Treshchev, V.I. Lad'yanov, R. R. Faizullin, V. N. Guskov, L. Kh. Baldaev</p> <p>Autori: 3 CoefM: 10, FI = 0.620, WOS: 000410727000010 <a href="https://doi.org/10.1134/S0020168517100089">https://doi.org/10.1134/S0020168517100089</a></p>	(10/3)	3.333



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55.	<p><u>Titlu citat:</u> Tantalum based materials for implants and prostheses applications, ISSN citat: 2065-2119,, Autori: Cristea, D., <b>Ghiuță, I.</b>, Munteanu, D.</p> <p><u>Titlu:</u> Development of tantalum with highly hydrophilic surface and antimicrobial properties obtained by micro-arc oxidation process, Revista: Journal of Biomedical Materials Research Part B: Applied Biomaterials, ISSN citeaza: 1552-4973, An Aparitie: 2020, Autori: M. Sopata, T. M. Karpiński, J. Jakubowicz, M. Sopata</p> <p>Autori: 3 CoefM: 20, FI = <b>2.831</b>, WOS: 000583618100001 <a href="https://doi.org/10.1002/jbm.b.34748">https://doi.org/10.1002/jbm.b.34748</a></p>	(20/3)	6.666
56.	<p><u>Titlu citat:</u> Tantalum oxynitride thin films: Assessment of the photocatalytic efficiency and antimicrobial capacity, ISSN citat: 20794991, Autori: Cristea, D., Cunha, L., Gabor, C., <b>Ghiuta, I.</b>, C. Croitoru, A. Marin, L. Velicu, A. Besleaga, B. Vasile</p> <p><u>Titlu:</u> Investigation of tantalum oxynitride for hard and anti-corrosive coating application in diluted hydrochloric acid solutions, Revista: Materials Today Communications, ISSN citeaza: 2352-4928, An Aparitie: 2020, Autori: J. Hirpara, V. Chawla, R. Chandra</p> <p>Autori: 9 CoefM: 20, FI = <b>2.678</b>, WOS: 000568679000005 <a href="https://doi.org/10.1016/j.mtcomm.2020.101113">https://doi.org/10.1016/j.mtcomm.2020.101113</a></p>	(20/9)	2.222



57.	<p><u>Titlu citat:</u> Tantalum oxynitride thin films: Assessment of the photocatalytic efficiency and antimicrobial capacity, ISSN citat: 2079-4991, Autori: Cristea, D., Cunha, L., Gabor, C., Ghiuta, I., C. Croitoru, A. Marin, L. Velicu, A. Besleaga, B. Vasile</p> <p><u>Titlu:</u> A green approach: scalable dry media synthesis of a gamma - TaON photocatalyst for solar H<sub>2</sub> production and rhodamine B degradation, Revista: Sustainable Energy &amp; Fuels, ISSN citeaza: 2398-4902, An Aparitie: 2020, Autori: S. K. Khore, S.R. Kadam, B.B. Kale, R. S. Sonawane</p> <p>Autori: 9 CoefM: 30, FI = 5.503, WOS: 000563991800027</p> <p><a href="https://doi.org/10.1039/D0SE00791A">https://doi.org/10.1039/D0SE00791A</a></p>	(30/9)	3.333
58.	<p><u>Titlu citat:</u> Tantalum oxynitride thin films: Assessment of the photocatalytic efficiency and antimicrobial capacity, ISSN citat: 2079-4991, Autori: Cristea, D., Cunha, L., Gabor, C., Ghiuta, I., C. Croitoru, A. Marin, L. Velicu, A. Besleaga, B. Vasile</p> <p><u>titlu:</u> Bixbyite-Ta<sub>2</sub>N<sub>2</sub>O film prepared by HIPIMS and postdeposition annealing: Structure and properties, Revista: Journal of Vacuum Science and Technology A, ISSN citeaza: 0734-2101, An Aparitie: 2020, Autori: J. Čapek, Š. Batková, M. Matas, Š. Kos, T. Kozák, S. Havíar, J. Houška, J. Schusser, J. Minář, F. Dvořák, P. Zeman</p> <p>Autori: 9 CoefM: 20, FI = 2.166, WOS: 000529406300001</p> <p><a href="https://doi.org/10.1116/6.0000066">https://doi.org/10.1116/6.0000066</a></p>	(20/9)	2.222
59.	<p><u>Titlu citat:</u> Tantalum oxynitride thin films: Assessment of the photocatalytic efficiency and antimicrobial capacity, ISSN citat: 20794991, Autori: Cristea, D., Cunha, L., Gabor, C., Ghiuta, I., C. Croitoru, A. Marin, L. Velicu, A. Besleaga, B. Vasile</p> <p><u>titlu:</u> Revisiting the materials and mechanism of metal oxynitrides for photocatalysis revista: International Journal of Hydrogen Energy ISSN citeaza: 0360-3199, An Aparitie: 2020, Autori: M.Sakar, R. M. Prakash, K. Shinde, G. R. Balakrishna</p> <p>Autori: 9 CoefM: 20, FI = 4.939, WOS: 000518869800017</p> <p><a href="https://doi.org/10.1016/j.ijhydene.2019.04.222">https://doi.org/10.1016/j.ijhydene.2019.04.222</a></p>	(20/9)	2.222



60.	<p><u>Titlu citat:</u> Tantalum oxynitride thin films: Assessment of the photocatalytic efficiency and antimicrobial capacity, ISSN citat:20794991, Autori: Cristea, D., Cunha, L., Gabor, C., Ghiuta, L. C. Croitoru, A. Marin, L. Velicu, A. Besleaga, B. Vasile</p> <p><u>Titlu:</u> beta-TaON thin films: production by reactive magnetron sputtering and the question of non-stoichiometry, Revista: Journal of Physics D: Applied Physics, ISSN citeaza: 0022-3727, An Aparitie: 2019, Autori: K Salamon, M Mičetić, J Sancho-Parramon, I Bogdanović Radović, Z Siketić, I Šarić, M Petravić, S Bernstorff</p> <p>Autori: 9 CoefM: 20, FI = <b>2.829</b>, WOS: 000468941700004</p> <p><a href="http://dx.doi.org/10.1088/1361-6463/ab1d09">http://dx.doi.org/10.1088/1361-6463/ab1d09</a></p>	(20/9)	2.222
61.	<p><u>Titlu citat:</u> Tantalum oxynitride thin films: Assessment of the photocatalytic efficiency and antimicrobial capacity, ISSN citat: 2079-4991, Autori: Cristea, D., Cunha, L., Gabor, C., Ghiuta, L. C. Croitoru, A. Marin, L. Velicu, A. Besleaga, B. Vasile</p> <p><u>Titlu:</u> Inhibiting photocatalytic electron-hole recombination by coupling MIL-125(Ti) with chemically reduced, nitrogen-containing graphene oxide, Revista: Applied Surface Science, ISSN citeaza: 0169-4332, An Aparitie: 2021, Autori: R. Fatima, J.-O. Kim</p> <p>Autori: 9 CoefM: 30, FI = <b>6.182</b>, WOS: 000608918300006</p> <p><a href="https://doi.org/10.1016/j.apsusc.2020.148503">https://doi.org/10.1016/j.apsusc.2020.148503</a></p>	(30/9)	3.333
62.	<p><u>Titlu citat:</u> Tantalum oxynitride thin films: Assessment of the photocatalytic efficiency and antimicrobial capacity, ISSN citat:20794991, Autori: Cristea, D., Cunha, L., Gabor, C., Ghiuta, L. C. Croitoru, A. Marin, L. Velicu, A. Besleaga, B. Vasile</p> <p><u>Titlu:</u> Preparation of Ta3N5 Nanosheet by Nitridation of Monolayer Tantalum Oxide Nanosheet, Revista: Chemistry Select, ISSN citeaza: 2365-6549, An Aparitie: 2020, Autori: C.-W. Hsu, K. Awaysa, M. Tsushida, T. Sato, M. Koinuma, S. Ida</p> <p>Autori: 9 CoefM: 15, FI = <b>1.811</b>, WOS: 000590573600043</p> <p><a href="https://doi.org/10.1002/selc.2020004129">https://doi.org/10.1002/selc.2020004129</a></p>	(15/9)	1.666



63.	<p><u>Titlu citat:</u> Tantalum oxynitride thin films: Assessment of the photocatalytic efficiency and antimicrobial capacity, ISSN citat: 2079-4991, Autori: Cristea, D., Cunha, L., Gabor, C., <b>Ghiuta, I., C. Croitoru, A. Marin, L. Velicu, A. Besleaga, B. Vasile</b></p> <p><u>Titlu:</u> Experimental Investigation on the Sputtering Process for Tantalum Oxynitride Thin Films, Revista: Photonics, ISSN citeaza: 2304-6732, An Aparitie: 2021, Autori: C. Li, J.-H. Hsieh, Y. R. Chuang</p> <p>Autori: 9 CoefM: 20, FI = 2.140, WOS: 000622999300001</p> <p><a href="https://doi.org/10.3390/photonics8020053">https://doi.org/10.3390/photonics8020053</a></p>	(20/9)	2.222
64.	<p><u>Titlu citat:</u> Tantalum oxynitride thin films: Assessment of the photocatalytic efficiency and antimicrobial capacity, ISSN citat:2079-4991, Autori: Cristea, D., Cunha, L., Gabor, C., <b>Ghiuta, I., C. Croitoru, A. Marin, L. Velicu, A. Besleaga, B. Vasile</b></p> <p><u>Titlu:</u> Orthorhombic Ta3-xN5-yOy thin films grown by unbalanced magnetron sputtering: The role of oxygen on structure, composition, and optical properties revista: Surface and Coatings Technology, ISSN citeaza: 0257-8972, An Aparitie: 2021, Autori: J.-C. Chuan, F. Eriksson, M. A. Sortica, G. Greczynski, B. Bakht, Z. Hu, D. Primetzhofer, L. Hultman, J. Birch, C.-L. Hsiao</p> <p>Autori: 9 CoefM: 20, FI = 3.784, WOS: 000604750600025</p> <p><a href="https://doi.org/10.1016/j.surfcoat.2020.126665">https://doi.org/10.1016/j.surfcoat.2020.126665</a></p>	(20/9)	2.222
65.	<p><u>Titlu citat:</u> Tantalum oxynitride thin films: Assessment of the photocatalytic efficiency and antimicrobial capacity, ISSN citat:20794991, Autori: Cristea, D., Cunha, L., Gabor, C., <b>Ghiuta, I., C. Croitoru, A. Marin, L. Velicu, A. Besleaga, B. Vasile</b></p> <p><u>Titlu:</u> An integrated approach to construct tantalum derivatives for electrocatalysis beyond the triiodide reduction reaction, Revista: Ceramics International, ISSN citeaza: 0272-8842, An Aparitie:2021, Autori: J. Dang, S. Yun, X. Zhou, Y. Zhang, Z. Wu</p> <p>Autori: 9 CoefM: 20, FI = 3.830</p> <p><a href="https://doi.org/10.1016/j.ceramint.2021.05.021">https://doi.org/10.1016/j.ceramint.2021.05.021</a></p>	(20/9)	2.222



66.	<p><u>Titlu citat:</u> Tantalum oxytride thin films: Assessment of the photocatalytic efficiency and antimicrobial capacity, ISSN citat:20794991, Autori: Cristea, D., Cunha, L., Gabor, C., Ghiuța, I., C. Croitoru, A. Marin, L. Velicu, A. Besleaga, B. Vasile</p> <p><u>Titlu:</u> Evolution of the microstructure of sputter deposited TaAlON thin films with increasing oxygen partial pressure, Revista: Surface and Coatings Technology, ISSN citeaza: 0257-8972, An Aparitie:2021, Autori: N. Schalk, C. Saringer, A. Flan, V. L. Terziyska, J. Julin, M. Tkadletz</p> <p>Autori:9 CoefM:20, FI = 3.784, <a href="https://doi.org/10.1016/j.surfcoat.2021.127237">https://doi.org/10.1016/j.surfcoat.2021.127237</a></p>	(20/9)	2.222
67.	<p><u>Titlu citat:</u> Tantalum oxytride thin films: Assessment of the photocatalytic efficiency and antimicrobial capacity, ISSN citat:2079-4991, Autori: Cristea, D., Cunha, L., Gabor, C., Ghiuța, I., C. Croitoru, A. Marin, L. Velicu, A. Besleaga, B. Vasile</p> <p><u>titlu:</u> Three-Dimensional Ordered Macroporous TiO<sub>2</sub>-TaOxNy Heterostructure for Photoelectrochemical Water Splitting, Revista: The Journal of Physical Chemistry C, ISSN citeaza: 1932-7447, An Aparitie: 2020, Autori: R. Yew, H. H. Tan, C. Jagadish, S. K. Karuturi</p> <p>Autori: 9 CoefM: 20, FI = 4.189, WOS: 000589917300012 <a href="https://doi.org/10.1021/acs.jpcc.0c05039">https://doi.org/10.1021/acs.jpcc.0c05039</a></p>	(20/9)	2.222
68.	<p><u>Titlu citat:</u> Compositional, morphological and mechanical investigations of monolayer type coatings obtained by standard and reactive magnetron sputtering from Ti, TiB<sub>2</sub> and WC, ISSN citat: 0169-4332, Autori: Jinga, V., Mateescu, A.O., Cristea, D., Mateescu, G., Burducea, I., Ionescu, C., Crăciun, I., Ghiuța, I., Samoilă, C., Ursuțiu, D., Munteanu, D.</p> <p><u>Titlu:</u> Effect of power density on the microstructure and properties of titanium diboride thin films by radio frequency magnetron sputtering method Revista: Thin Solid Films, ISSN citeaza: 0040-6090, An Aparitie:2018, Autori: Houng, B., Shih, YH., Wu, J., Lu, SH.</p> <p>Autori: 11 CoefM: 15, FI = 1.939, WOS: 000441177500124 <a href="https://doi.org/10.1016/j.tsf.2018.03.002">https://doi.org/10.1016/j.tsf.2018.03.002</a></p>	(15/11)	1.363



69.	<p><u>Titlu citat:</u> Compositional, morphological and mechanical investigations of monolayer type coatings obtained by standard and reactive magnetron sputtering from Ti, TiB2 and WC, ISSN citat: 0169-4332, Autori: Jinga, V., Mateescu, A.O., Cristea, D., Mateescu, G., Burducea, I., Ionescu, C., Crăciun, I., Ghiuță, I., Samoliă, C., Ursuțiu, D., Munteanu, D.</p> <p><u>Titlu:</u> Scratch and wear behaviours of metallised Ti thin films deposited on Al2O3 substrate Revista: Applied Physics A, ISSN citeaza: 0947-8396, An Aparitie: 2018, Autori: X. Xing, H. Wang, T. Jin, G. Xiao, B. Su, X. Shu</p> <p>Autori: 11 CoefM: 15, FI = 1.604, WOS: 000445855400001 <a href="https://doi.org/10.1007/s00339-018-2137-9">https://doi.org/10.1007/s00339-018-2137-9</a></p>	(15/11)	1.363
70.	<p><u>Titlu citat:</u> Compositional, morphological and mechanical investigations of monolayer type coatings obtained by standard and reactive magnetron sputtering from Ti, TiB2 and WC, ISSN citat: 0169-4332, Autori: Jinga, V., Mateescu, A.O., Cristea, D., Mateescu, G., Burducea, I., Ionescu, C., Crăciun, I., Ghiuță, I., Samoliă, C., Ursuțiu, D., Munteanu, D.</p> <p><u>Titlu:</u> Study on the wear resistance of graphene modified nanostructured Al2O3/TiO2 coatings, Revista: Applied Surface Science, ISSN citeaza: 0169-4332, An Aparitie: 2019, Autori: Wang, L. Liu, SY, Gou, JF, Zhang, QW, Zhou, FF, Wang, Y, Chu, RQ.</p> <p>Autori: 11 CoefM: 30, FI = 5.155, WOS: 000489699700032 <a href="https://doi.org/10.1016/j.apsusc.2019.06.102">https://doi.org/10.1016/j.apsusc.2019.06.102</a></p>	(30/11)	2.727



71.	<p><u>Titlu citat:</u> Ti-Zr-Si-Nb Nanocrystalline Alloys and Metallic Glasses: Assessment on the Structure, Thermal Stability, Corrosion and Mechanical Properties, revista: Materials, ISSN citat: 1996-1944, Autori: Gabor, C., Cristea, D., Velicu I.L., Bedo, T. Gatto, A., Bassoli, E., Varga, B., Pop M.A., Geanta, V., Stefanoiu, R., Codescu, M.M., Manta E., Patro, D., Florescu, M., Munteanu, S.I., Ghiuta, I., Lupu, N., Munteanu, D.</p> <p><u>Titlu:</u> Long-term thermal stability, beta relaxation, and mechanical behavior of a LaCe-based bulk metallic glass, Revista: AIP ADVANCES, ISSN citeaza: 2158-3226, An Aparitie:2021, Autori: Bian, B.C., Cui, X., Li, J.</p> <p>Autori:18 CoefM:15, FI = 1.337, WOS: 000606531000001 <a href="https://doi.org/10.1063/5.0037102">https://doi.org/10.1063/5.0037102</a></p>	(15/18)	0.833
72.	<p><u>Titlu citat:</u> Silver nanoparticles for delivery purposes. În: Nanoengineered Biomaterials for Advanced Drug Delivery, ISBN citat: 9780081029855, Autori: Ghiuță, I., Cristea, D.</p> <p><u>Titlu:</u> Silver nanoparticles as a potential treatment against SARS-CoV-2: A review, Revista: WIREs Nanomedicine and Nanobiotechnology, ISSN citeaza: 1939-0041, An Aparitie:2021, Autori: F. Pilaquinga, J. Morey, M. Torres, R. Seggat, M. de las Nieves Piña</p> <p>Autori: 2 CoefM: 30, FI = 7.689, WOS: 000622344100001 <a href="https://doi.org/10.1002/wnan.1707">https://doi.org/10.1002/wnan.1707</a></p>	(30/2)	15
73.	<p><u>Titlu citat:</u> Silver nanoparticles for delivery purposes. În: Nanoengineered Biomaterials for Advanced Drug Delivery, ISBN citat: 9780081029855, Autori: Ghiuță, I., Cristea, D.</p> <p><u>Titlu:</u> Biocompatible DNA/5-Fluorouracil-Gemini Surfactant-Functionalized Gold Nanoparticles as Promising Vectors in Lung Cancer Therapy, Revista: R.M. Giraldez-Pérez, E. Grueso, I. Domínguez, N. Pastor, E. Kuliszewska, R. Prado-Gotor, F. Requena-Domenech, ISSN citeaza: 1999-4923, An Aparitie:2021, Autori: F. Pilaquinga, J. Morey, M. Torres, R. Seggat, M. de las Nieves Piña</p> <p>Autori: 2 CoefM: 20, FI = 4.421, WOS: 000606531000001 <a href="https://doi.org/10.3390/pharmaceutics13030423">https://doi.org/10.3390/pharmaceutics13030423</a></p>	(20/2)	10



74.	<p><u>Titlu citat:</u> Silver nanoparticles for delivery purposes. În: Nanoengineered Biomaterials for Advanced Drug Delivery, ISBN citat: 9780081029855, Autori: Ghiuţă, I., Cristea, D.</p> <p><u>Titlu:</u> Biogenic Fabrication, Characterization and Drug Loaded Antimicrobial Assay of Silver Nanoparticles Using Centratherum anthalminticum (L.) Kuntze, Revista: Journal of Pharmaceutical Sciences, ISSN citeaza: 0022-3549, An Apariţie:2021, Autori: A. Sadiga, S. R. Gilani, A. Anwar, A. M. A. Saleem, S. Rubab.</p> <p>Autori: 2 CoefM: 20, FI = 2.997, WOS: 000640495900014 <a href="https://doi.org/10.1016/j.xphs.2021.01.034">https://doi.org/10.1016/j.xphs.2021.01.034</a></p>	(20/2)	10
75.	<p><u>Titlu citat:</u> Silver nanoparticles for delivery purposes. În: Nanoengineered Biomaterials for Advanced Drug Delivery, ISBN citat: 9780081029855, Autori: Ghiuţă, I., Cristea, D.</p> <p><u>Titlu:</u> Lethal Mechanisms of Nostoc-Synthesized Silver Nanoparticles Against Different Pathogenic Bacteria, Revista: International Journal of Nanomedicine, ISSN citeaza: 1178-2013, An Apariţie:2020, Autori: R. S. Hamida, M. A. Ali D. A Goda, M. I. Al-Zaban</p> <p>Autori: 2 CoefM: 30, FI = 5.115, WOS: 000603397100002 <a href="https://dx.doi.org/10.2147/IJN.S289243">https://dx.doi.org/10.2147/IJN.S289243</a></p>	(30/2)	15
		TOTAL	291,218
3.2.1	Prezentari in plenul unor manifestari stiintifice internationale		
	<p><u>titlu:</u>Antimicrobial activity of biosynthesized metallic nanoparticles conferinta:Microbes: Biology&amp;amp;amp;Application International Conference 2019 DataPrezentare:2019 Autori:1 <a href="https://avivardan.wixsite.com/mysite/speakers">https://avivardan.wixsite.com/mysite/speakers</a></p>	(8.0000)	8.0000
		TOTAL	8



Universitatea  
Transilvania  
din Brasov

FACULTATEA DE ȘTIINȚA  
ȘI INGINERIA MATERIALELOR

3.3.1	<b>Membru în colectivele de redacție sau comitete științifice al revistelor și manifestărilor științifice, organizator de manifestări științifice / Recenzor pentru reviste și manifestări științifice naționale și internaționale indexate ISI</b>		
	titlu: Corrosion Science issn:0010938X CoefM:5 Perioada:2019-2020 <a href="https://www.journals.elsevier.com/corrosion-science">https://www.journals.elsevier.com/corrosion-science</a>	5	5.0000
	titlu: Materials Today: Proceedings issn:22147853 CoefM:5 Perioada:2019-2020 <a href="https://www.journals.elsevier.com/materials-today-proceedings">https://www.journals.elsevier.com/materials-today-proceedings</a>	5	5.0000
	titlu: Materials issn:19961944 CoefM:5 Perioada:2019-2020 <a href="https://www.mdpi.com/journal/materials">https://www.mdpi.com/journal/materials</a>	5	5.0000
	titlu: Metals issn:20754701 CoefM:5 Perioada:2019-2020 <a href="https://www.mdpi.com/journal/metals">https://www.mdpi.com/journal/metals</a>	5	5.0000
	titlu: Journal of Materials Science issn:15734803 CoefM:5 Perioada:2019-2020 <a href="https://www.springer.com/journal/10853">https://www.springer.com/journal/10853</a>	5	5.0000
	<b>TOTAL</b>	<b>25.0000</b>	
3.3.2	<b>Membru în colectivele de redacție sau comitete științifice al revistelor și manifestărilor științifice, organizator de manifestări științifice / Recenzor pentru reviste și manifestări științifice naționale și internaționale indexate BDI</b>		
	titlu: Journal of Nanostructure in Chemistry issn:21938865 BDI: SpringerLink CoefM: 3 Perioada:2018-2018 <a href="https://www.springer.com/journal/40097">https://www.springer.com/journal/40097</a>	3	3.0000
	<b>TOTAL</b>	<b>3.0000</b>	
	<b>Criterii optionale</b>		
3.6.4.1	<b>Membru Asociații profesionale internaționale</b>		
	Asociația Armeniană de Microbiologie. Perioada: 2019-prezent	5	5
	<b>TOTAL</b>	<b>5.0000</b>	

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3.6.4.2	Membru Asociaţii profesionale naţionale		
	Asociaţia Tehnica de Turmătorie din România	2	2
	Perioada: 2018-prezent		
		TOTAL	2.0000
	Indicii Hirsch		
4.1	Indice Hirsch conform ISI Knowledge		3
4.2	Indice Hirsch conform Scopus		3
4.3	Indice Hirsch conform Google Scholar		6
		TOTAL	12.0000

Data:  
14.06.2021

Candidat,  
Şef lucr.dr.ing. Ioana GHIUŢĂ (căs. POPESCU)

Director departament,  
Conf. dr. ing. Camelia GABOR

Rezoluția Comisiei Științifice Ingineria materialelor Standardele sunt indeplinite Semnătură

1. Prof.dr.Daniel MUNTEANU
2. Prof.dr.Mirecea Horia TIEREAN
3. Prof.dr.Teodor MACHEDON PISU

✓ DA NU  
✓ DA NU  
✓ DA NU