

AVIZAT

Director CSUD,
Prof. dr. ing. Eugen-Victor-Cristian RUSU

Universitatea „Dunărea de Jos” din Galați
Facultatea de Științe și Mediu
Departamentul de Chimie, Fizică și Mediu
Domeniul de abilitare: CHIMIE

FIȘĂ DE VERIFICARE

a îndeplinirii standardelor minime de Profesor/CSI/Habilitare OM nr. 6129/2016

Candidat: Conf. dr. chim. Aurel TĂBĂCARU

Anexa 4_Comisia de CHIMIE

Standarde minime necesare și obligatorii pentru conferirea titlurilor didactice din învățământul superior și a gradelor profesionale de cercetare – dezvoltare

Criterii generale impuse:

Categorie	N _{max}	FIC	FIC _D	FIC _{AP}	FIC _{AC}	H index
Profesor/CSI/Habilitare	50	100	70	50	25	13
Realizat	34	135.15	135.15	91.886	49.58	14

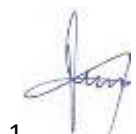
N_{max} – primele N lucrări, organizate în ordinea descrescătoare a factorilor de impact a revistelor în care au fost publicate;

FIC – factorul de impact cumulat minimal al revistelor în care s-au publicat lucrările în cauză;

FIC_D – factorul de impact cumulat minimal din publicațiile în domeniile de cercetare declarate;

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

FIC_{AC} – factorul de impact cumulat minimal din publicațiile în calitate de autor de corespondență.



Fișa de verificare a îndeplinirii standardelor minimale
- articole publicate în reviste cotate ISI -
- FI conform JCR_Web of Science / an de publicare –

Nr.	Lucrare publicată	FI	FI _D	FI _{AP}	FI _{AC}
1.	Aurel Tabacaru , Claudio Pettinari, Simona Galli, „ <i>Coordination polymers and metal-organic frameworks built up with poly(tetrazolate) ligands</i> ”, <i>Coordination Chemistry Reviews</i> 2018 , 372, 1-30. DOI: 10.1016/j.ccr.2018.05.024. https://www.sciencedirect.com/science/article/pii/S0010854518301279	13.476	13.476	13.476	-
2.	Claudio Pettinari, Aurel Tabacaru , Simona Galli, „ <i>Coordination polymers and metal-organic frameworks based on poly(pyrazole)-type ligands</i> ”, <i>Coordination Chemistry Reviews</i> 2016 , 307, 1-31. DOI: 10.1016/j.ccr.2015.08.005. http://www.sciencedirect.com/science/article/pii/S0010854515002751	13.324	13.324	-	-
3.	Mihaela Cudalbeanu, David Peitinho, Francisco Silva, Rosa Marques, Teresa Pinheiro, Ana Ferreira, Fernanda Marques, António Paulo, Catarina Soeiro, Sílvia Andreia Sousa, Jorge Humberto Leitão, Aurel Tabacaru , Sorin Marius Avramescu, Rodica Mihaela Dinica, Maria Paula Cabral Campello, „ <i>Sono-biosynthesis and characterization of AuNPs from Danube Delta Nymphaea alba root extracts and their biological properties</i> ”, <i>Nanomaterials</i> 2021 , 11(6), 1562. DOI: 10.3390/nano11061562. https://www.mdpi.com/2079-4991/11/6/1562	5.719	5.719	-	-
4.	Aurel Tabacaru , Claudio Pettinari, Fabio Marchetti, Simona Galli, Norberto Masciocchi, „ <i>Bis(pyrazolato)-based MOFs fabricated with 4,4'-bis((3,5-dimethyl-1H-pyrazol-4-yl)methyl)biphenyl and late transition metals</i> ”, <i>Crystal Growth & Design</i> 2014 , 14, 3142-3152. DOI: 10.1021/cg500459v. http://pubs.acs.org/doi/abs/10.1021/cg500459v	4.891	4.891	4.891	4.891
5.	Aurel Tabacaru , Nertil Xhaferaj, Luisa M.D.R.S. Martins, Elisabete C.B.A. Alegria, Rogerio S. Chay, Carlotta Giacobbe, Konstantin V. Domasevitch, Armando J.L. Pombeiro, Simona Galli, Claudio Pettinari, „ <i>Metal azolate/carboxylate frameworks as catalysts in oxidative and C-C coupling reactions</i> ”, <i>Inorganic Chemistry</i> 2016 , 55(12), 5804-5817. DOI: 10.1021/acs.inorgchem.5b02997. http://pubs.acs.org/doi/abs/10.1021/acs.inorgchem.5b02997	4.857	4.857	4.857	-
6.	Aurel Tabacaru , Claudio Pettinari, Norberto Masciocchi, Simona Galli, Fabio Marchetti, Mariglen Angjellari, „ <i>Pro-porous coordination polymers based on 1,4-bis((3,5-dimethyl-1H-pyrazol-4-yl)methyl)benzene with late transition metals</i> ”, <i>Inorganic Chemistry</i> 2011 , 50(22), 11506-11513. DOI: 10.1021/ic2013705. http://pubs.acs.org/doi/abs/10.1021/ic2013705	4.601	4.601	4.601	4.601
7.	Aurel Tabacaru , Claudio Pettinari, Fabio Marchetti, Corrado di Nicola, Konstantin V. Domasevitch, Simona Galli, Norberto Masciocchi, Stefania Scuri, Iolanda Grappasonni, Mario Cocchioni, „ <i>Antibacterial action of 4,4'-bipyrazolyl-based silver(I) coordination polymers embedded in PE disks</i> ”, <i>Inorganic Chemistry</i> 2012 , 51(18), 9775-9788. DOI: 10.1021/ic3011635. http://pubs.acs.org/doi/abs/10.1021/ic3011635	4.593	4.593	4.593	-
8.	Claudio Pettinari, Aurel Tabacaru , Ishtvan Boldog, Konstantin V. Domasevitch, Simona Galli, Norberto Masciocchi, „ <i>Novel coordination frameworks incorporating the 4,4'-bipyrazolyl ditopic ligand</i> ”, <i>Inorganic Chemistry</i> 2012 , 51(9), 5235-5245. DOI: 10.1021/ic3001416. http://pubs.acs.org/doi/abs/10.1021/ic3001416	4.593	4.593	-	-
9.	Aurel Tabacaru , Claudio Pettinari, Ivan Timokhin, Fabio Marchetti, Francisco Carrasco-Marín, Francisco José Maldonado-Hódar, Simona Galli, Norberto Masciocchi, „ <i>Enlarging an isoreticular family: 3,3',5,5'-tetramethyl-4,4'-bipyrazolato-based porous coordination polymers</i> ”, <i>Crystal Growth & Design</i> 2013 , 13, 3087-3097. DOI: 10.1021/cg400495w. http://pubs.acs.org/doi/abs/10.1021/cg400495w	4.558	4.558	4.558	4.558
10.	Aurel Tabacaru , Rais Ahmad Khan, Giulio Lupidi, Claudio Pettinari, „ <i>Synthesis, characterization and assessment of the antioxidant activity of Cu(II), Zn(II) and Cd(II) complexes derived from scorpionate ligands</i> ”, <i>Molecules</i> 2020 , 25(22), 5298. DOI: 10.3390/molecules25225298. https://www.mdpi.com/1420-3049/25/22/5298/htm	4.412	4.412	4.412	4.412



Nr.	Lucreare publicată	FI	FI _D	FI _{AP}	FI _{AC}
11.	Federica Bertolotti, Aurel Tabacaru , Viorica Musat, Nicolae Tigau, Antonio Cervellino, Norberto Masciocchi, Antonietta Guagliardi, „ <i>Band gap narrowing in silane-grafted ZnO nanocrystals. A comprehensive study by wide-angle X-ray total scattering methods</i> ”, <i>Journal of Physical Chemistry C</i> 2021 , 125(8), 4806-4819. DOI: 10.1021/acs.jpcc.0c10502. https://pubs.acs.org/doi/abs/10.1021/acs.jpcc.0c10502	4.177	4.177	4.177	4.177
12.	Mariana Busila, Aurel Tabacaru , Viorica Musat, Bogdan Stefan Vasile, Ionela Andreea Neacsu, Teresa Pinheiro, Catarina Roma-Rodrigues, Pedro V. Baptista, Alexandra R. Fernandes, António P. Matos, Fernanda Marques, „ <i>Size-dependent biological activities of fluorescent organosilane-modified zinc oxide nanoparticles</i> ”, <i>Journal of Biomedical Nanotechnology</i> 2020 , 16(2), 137-152. DOI: 10.1166/jbn.2020.2882. https://www.ingentaconnect.com/content/asp/jbn/2020/00000016/00000002/art00001	4.099	4.099	4.099	4.099
13.	Graham A. Bowmaker, Corrado Di Nicola, Effendy, John V. Hanna, Peter C Healy, Scott P. King, Fabio Marchetti, Claudio Pettinari, Ward T. Robinson, Brian W. Skelton, Alexandre N. Sobolev, Aurel Tabacaru , Allan H. White, „ <i>Oligo-nuclear silver(I) thiocyanate complexes with monodentate tertiary phosphine ligands, including novel ‘cubane’ and ‘step’ tetramer forms of AgSCN:PR₃ (1:1)₄</i> ”, <i>Dalton Transactions</i> 2013 , 42, 277-291. DOI: 10.1039/C2DT31853A. http://pubs.rsc.org/en/content/articlelanding/2013/dt/c2dt31853a/unauth#!divAbstract	4.097	4.097	-	-
14.	Elisa Lavigna, Nertil Khaferaj, Aurel Tabacaru , Marco Lamperti, Luca Nardo, Massimo Mella, Claudio Pettinari, Simona Galli, „ <i>Investigating the structural features and spectroscopic properties of bis(tetrazolato)-based coordination polymers</i> ”, <i>Crystal Growth & Design</i> 2016 , 16(11), 6390-6404. DOI: 10.1021/acs.cgd.6b01056. http://pubs.acs.org/doi/abs/10.1021/acs.cgd.6b01056	4.055	4.055	4.055	4.055
15.	Aurel Tabacaru , Simona Galli, Claudio Pettinari, Norberto Masciocchi, Thomas M. McDonald, Jeffrey R. Long, „ <i>Ni(II) and Cu(I,II)-based metal-organic frameworks incorporating an extended tris-pyrazolate linker</i> ”, <i>CrystEngComm</i> 2015 , 17, 4992-5001. DOI: 10.1039/C5CE00561B. https://pubs.rsc.org/en/content/articlelanding/2015/ce/c5ce00561b/unauth#!divAbstract	3.849	3.849	3.849	-
16.	Viorica Musat, Aurel Tabacaru , Vasile Stefan Bogdan, Vasile-Adrian Surdu, „ <i>Size-dependent photoluminescence of zinc oxide quantum dots through organosilane functionalization</i> ”, <i>RSC Advances</i> 2014 , 4, 63128-63136. DOI: 10.1039/C4RA10851E. http://pubs.rsc.org/is/content/articlelanding/2014/ra/c4ra10851e/unauth#!divAbstract	3.840	3.840	-	-
17.	Graham A. Bowmaker, John V. Hanna, Robert D. Hart, Peter C. Healy, Scott P. King, Fabio Marchetti, Claudio Pettinari, Brian W. Skelton, Aurel Tabacaru , Allan H. White, „ <i>Mechanochemical and solution synthesis, X-ray structure and IR and ³¹P solid state NMR spectroscopic studies of copper(I) thiocyanate adducts with bulky monodentate tertiary phosphine ligands</i> ”, <i>Dalton Transactions</i> 2012 , 41, 7513-7525. DOI: 10.1039/c2dt30579h. https://pubs.rsc.org/en/content/articlelanding/2012/dt/c2dt30579h/unauth#!divAbstract	3.806	3.806	-	-
18.	Aurel Tabacaru , Claudio Pettinari, Mariana Busila, Rodica Mihaela Dinica, „ <i>New antibacterial silver(I) coordination polymers based on a flexible ditopic pyrazolyl-type ligand</i> ”, <i>Polymers</i> 2019 , 11(10), 1686. DOI: 10.3390/polym11101686. https://www.mdpi.com/2073-4360/11/10/1686	3.426	3.426	3.426	3.426
19.	Rais Ahmad Khan, Aurel Tabacaru , Farman Ali, Bon H. Koo, „ <i>Anticancer and antimicrobial properties of inorganic compounds/nanomaterials</i> ”, <i>Bioinorganic Chemistry and Applications</i> 2019 , 2019, ID 6019632. DOI: 10.1155/2019/6019632. https://www.hindawi.com/journals/bca/2019/6019632/	3.273	3.273	3.273	3.273
20.	Aurel Tabacaru , Andreea Veronica Dediu Botezatu, Georgiana Horincar, Bianca Furdui, Rodica Mihaela Dinica, „ <i>Green accelerated synthesis, antimicrobial activity and seed germination test of quaternary ammonium salts of 1,2-bis(4-pyridyl)ethane</i> ”, <i>Molecules</i> 2019 , 24(13), 2424. DOI: 10.3390/molecules24132424.	3.267	3.267	3.267	-



Nr.	Lucrare publicată	FI	FI _D	FI _{AP}	FI _{AC}
	https://www.mdpi.com/1420-3049/24/13/2424				
21.	Aurel Tabacaru , Viorica Musat, Nicolae Tigau, Bogdan Stefan Vasile, Vasile-Adrian Surdu, „ <i>Vinyltrimethoxysilane-modified zinc oxide quantum dots with tuned optical properties</i> ”, <i>Applied Surface Science</i> 2015 , 359, 766-773. DOI: 10.1016/j.apsusc.2015.10.175. http://www.sciencedirect.com/science/article/pii/S0169433215025945	3.150	3.150	3.150	-
22.	Nertil Khaferaj, Aurel Tabacaru , Marco Moroni, Ganna A. Senchyk, Kostiantyn V. Domasevitch, Claudio Pettinari, Simona Galli, „ <i>New coordination polymers of zinc(II), copper(II) and cadmium(II) with 1,3-bis(1,2,4-triazol-4-yl)adamantane</i> ”, <i>Inorganics</i> 2020 , 8(11), 60. DOI: 10.3390/inorganics8110060. https://www.mdpi.com/2304-6740/8/11/60	3.149	3.149	3.149	3.149
23.	Nertil Khaferaj, Aurel Tabacaru , Claudio Pettinari, Kostiantyn V. Domasevitch, Simona Galli, „ <i>Synthesis and structural characterization of new metal azolate/carboxylate frameworks incorporating the 1-H-pyrazol-3,4,5-tricarboxylate ligand</i> ”, <i>Inorganica Chimica Acta</i> 2023 , 544, 121236. DOI: 10.1016/j.ica.2022.121236. https://www.sciencedirect.com/science/article/pii/S0020169322004480?via%3Dihub	3.118	3.118	3.118	3.118
24.	Aurel Tabacaru , Valentina Colombo, Constantin Apetrei, „ <i>Development of sensor based on copper(II) thiocyanate pyridine polymeric complex for detection of catechol</i> ”, <i>IEEE Sensors Journal</i> 2019 , 19(22), 10198-10206. DOI: 10.1109/JSEN.2019.2927283. https://ieeexplore.ieee.org/document/8756163	3.073	3.073	3.073	-
25.	Aurel Tabacaru , Rodica Mihaela Dinica, Mihaela Cudalbeanu, Cristina Mihaela Nicolescu, Marius Bumbac, „ <i>Catalytic effect of photoluminescent zinc oxide nanoparticles formed in the presence of quaternary ammonium salts</i> ”, <i>Materials</i> 2019 , 12(13), 2066. DOI: 10.3390/ma12132066. https://www.mdpi.com/1996-1944/12/13/2066	3.057	3.057	3.057	3.057
26.	Graham A. Bowmaker, John V. Hanna, Scott P. King, Fabio Marchetti, Claudio Pettinari, Adriano Pizzabiocca, Brian W. Skelton, Alexandre N. Sobolev, Aurel Tabacaru , Allan H. White, „ <i>Complexes of copper(I) thiocyanate with monodentate phosphine and pyridine ligands and the P(N)-donor diphenyl(2-pyridyl)phosphine</i> ”, <i>European Journal of Inorganic Chemistry</i> 2014 , 6104-6116. DOI: 10.1002/ejic.201402791. http://onlinelibrary.wiley.com/doi/10.1002/ejic.201402791/abstract	2.942	2.942	-	-
27.	Bianca Furdui, Rodica M. Dinica, Aurel Tabacaru , Claudio Pettinari, „ <i>Synthesis and Physico-chemical Properties of a Novel Series of Aromatic Electron Acceptors Based on N-Heterocycles</i> ”, <i>Tetrahedron</i> 2012 , 68(31), 6164-6168. DOI:10.1016/j.tet.2012.05.077. http://www.sciencedirect.com/science/article/pii/S0040402012007958	2.803	2.803	-	-
28.	Aurel Tabacaru , Andreea Veronica Botezatu Dediu, Rodica Mihaela Dinica, Geta Carac, Vasile Basliu, Maria Paula Cabral Campello, Francisco Silva, Catarina I.G. Pinto, Joana F. Guerreiro, Marta Martins, Filipa Mendes, Fernanda Marques, „ <i>Biological properties of a new mixed lanthanide(III) complex incorporating a dipyridinium ylide</i> ”, <i>Inorganica Chimica Acta</i> 2020 , 506, 119517. DOI: 10.1016/j.ica.2020.119517. https://www.sciencedirect.com/science/article/pii/S002016931931655X?via%3Dihub	2.545	2.545	2.545	-
29.	Andreea Carac, Rica Boscencu, Rodica Mihaela Dinica, Joana Guerreiro, Francisco Silva, Fernanda Marques, Maria Paula Cabral Campello, Calin Moise, Oana Brincoveanu, Marius Enachescu, Geta Carac, Aurel Tabacaru , „ <i>Synthesis, characterization and antitumor activity of two new dipyridinium ylide based lanthanide(III) complexes</i> ”, <i>Inorganica Chimica Acta</i> 2018 , 480, 83-90. DOI: 10.1016/j.ica.2018.05.003. https://www.sciencedirect.com/science/article/pii/S0020169317317541	2.433	2.433	2.433	2.433
30.	Aurel Tabacaru , Bianca Furdui, Ioana Otilia Ghinea, Geta Carac, Rodica Mihaela Dinica, „ <i>Recent advances in click chemistry reactions mediated by transition metal based systems</i> ”, <i>Inorganica Chimica Acta</i> 2017 , 455, 329-349. DOI: 10.1016/j.ica.2016.07.029. http://www.sciencedirect.com/science/article/pii/S0020169316304078	2.264	2.264	2.264	-

Nr.	Lucreare publicată	FI	FI _D	FI _{AP}	FI _{AC}
31.	Simona Galli, Carlotta Giacobbe, Aurel Tabacaru , Nertil Xhaferaj, Claudio Pettinari, „ <i>Unsolvated ruthenium(II) dichloride: the beta polymorph</i> ”, <i>Journal of Molecular Structure</i> 2014 , 1067, 233-238. DOI: 10.1016/j.molstruc.2014.03.046. http://www.sciencedirect.com/science/article/pii/S0022286014003147	1.602	1.602	-	-
32.	Aurel Tabacaru , Viorica Musat, Rodica M. Dinica, Constantin Gheorghies, „ <i>Catalytic effect of zinc oxide nanoparticles prepared through assisted modification with a diquaternary salt of bis(pyridinium)</i> ”, <i>Revista de Chimie (Bucharest)</i> 2016 , 67(8), 1508-1512. http://www.revistadechimie.ro/article_eng.asp?ID=5128	1.232	1.232	1.232	-
33.	Bianca Furdui, Oana Constantin, Aurel Tabacaru , Rodica M. Dinica, „ <i>New Bis-Pyridinium Diquaternary Salts with Antimicrobial Properties</i> ”, <i>Revista de Chimie (Bucharest)</i> 2012 , 63(7), 667-671. http://bch.ro/pdfRC/FURDUI%20B.pdf%207%2012.pdf	0.538	0.538	-	-
34.	Aurel Tabacaru , Claudio Pettinari, Riccardo Pettinari, Mariglen Angjellari, „ <i>Rigidity versus flexibility upon the porosity degree of new metal-organic polymeric materials</i> ”, <i>Revue Roumaine de Chimie</i> 2012 , 57(9-10), 871-875. http://revroum.lew.ro/wp-content/uploads/2012/RRCh_9-10_2012/Art%2013.pdf	0.331	0.331	0.331	0.331
TOTAL		135.15	135.15	91.886	49.58

webofscience.com/works/citation-report/95e1955d-1ba4-4b9b-4193-36478e0864-888f173

English

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Publications 36 Total From 1942 to 2023	Citing Articles 612 <i>Analyze</i> Total 591 <i>Analyze</i> Without self-citations	Times Cited 725 Total 667 Without self-citations	20.14 Average per item	14 H-Index
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