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Anexa nr.3

AVIZAT,

Director ȘCOALA DOCTORALĂ DE ȘTIINȚE CHIMICE

Dr. CSI Marcela MIHAI

1. Îndeplinirea standardelor IOSUD superioare standardelor minimale naționale* DA| NU
2. Îndeplinirea standardelor IOSUD egale standardelor minimale naționale* DA| NU

FIȘA DE ÎNDEPLINIRE A STANDARDELOR IOSUD

Candidat: Ion Simona-Filofteia

Categorie Habilitare	N _{max} (*)	FIC(**)	FIC _D (***)	FIC _{AP} (****)	FIC _{AC} (*****)	H index
Cerințe	50	100	70	50	25	13
Realizat	48	120,51	120,51	59,67	40,90	15

Data: 02.03.2026

Semnătura:

*se va alege una dintre variante



ACADEMIA ROMÂNĂ
SCOSAAR

FIȘA DE VERIFICARE a îndeplinirii standardelor minimale

Lista articole selectate (N_{\max}) publicate în reviste de specialitate, indexate Web of Science (Clarivate),

Factor de impact (FI) din anul 2025, conform Web of Science.

	Articol	FIC ₂₀₂₅	FIC _D	FIC _{AP}	FIC _{AC}
1	Mayra S Coutinho, Thomaz de A Costa, Alan Imperatori, Andrei A Patrascu, Isabela Man, Maria GF Vaz, Simona Nica , Marius Andruh, Pedro N Batalha, <i>Engineering supramolecular systems with a bis(pyridyl)azine derivative and different hydrogen and halogen donors</i> , <i>Crystal Growth and Design</i> , 2026 , 26(1), 198–209, https://doi.org/10.1021/acs.cgd.5c01135	3,4	3,4	3,4	3,4
2	Adrian E Ion, Andreea Dogaru, Catalin Maxim, Anamaria Hanganu, Cristian Enache, Marius Andruh, Simona Nica , <i>Azulene-based organic cages formed with 1, 3, 5-tris (aminomethyl)-2, 4, 6-triethylbenzene: synthesis and physicochemical properties</i> , <i>Synthesis</i> , 2025 , 57(14), 2189-2196, DOI: 10.1055/a-2593-4590	2,3	2,3	2,3	2,3
3	Adrian E Ion, Catalin Maxim, Anamaria Hanganu, Andreea Dogaru, Augustin M Madalan, Alexander S Novikov, Sergiu Shova, Marius Andruh, Simona Nica , <i>Self-assembly of azulene-Based imine cages: synthesis and supramolecular organization</i> , <i>Crystal Growth and Design</i> , 2025 , 25(6), 1743–1756, https://doi.org/10.1021/acs.cgd.4c01186	3,4	3,4	3,4	3,4
4	Elena Gorincioi, Crina Vicol, Natalia Bolocan, Claudia Cimpoiu, Alic Barba, Simona Nica , Gheorghe Duca, <i>Harnessing synergy: investigation of the antioxidant interactions between trans-resveratrol and L-ascorbic acid by spectroscopic and DFT methods</i> , <i>Acta Chimica Slovenica</i> , 2025 , 72, 654–665, DOI: 10.17344/acsi.2025.9292	1,3	1,3	-	-
5	Andreea Dogaru, Adrian E Ion, Andrei A Patrascu, Mihai Răducă, Gheorghe Duca, Marius Andruh, Simona Nica , <i>Halogen-bonded co-crystals of azulene-1-carboxaldehyde with perfluorinated diiodobenzenes</i> , <i>Revue Roumaine Chimie</i> , 2025 , 70(5–6), 279–286, DOI: 10.33224/rrch.2025.70.5-6.04	0,6	0,6	0,6	0,6
6	Anamaria Hanganu, Catalin Maxim, Andreea Dogaru, Adrian E Ion, Coralia Bleotu, Augustin M Madalan, Daniela Bala, Simona Nica , <i>Synthesis, physicochemical properties, and ion recognition ability of azulene-based bis-(thio) semicarbazone</i> , <i>Molecules</i> , 2025 , 30(1), 83; https://doi.org/10.3390/molecules30010083	4,6	4,6	4,6	4,6



ACADEMIA ROMÂNĂ
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7	Ana-Maria Manea-Saghin, Adrian E Ion, Francois Kajzar, Simona Nica , <i>Second order nonlinear optical properties of poled films containing azobenzenes tailored with azulene-1-yl-pyridine</i> , <i>Heliyon</i> , 2023 , 9(6), e17360, https://doi.org/10.1016/j.heliyon.2023.e17360	3,6	3,6	3,6	3,6
8	Andreea Dogaru, Adrian A Apostol, Catalin Maxim, Mihai Raduca, Alexander S Novikov, Alina Nicolescu, Calin Deleanu, Simona Nica , Marius Andruh, <i>Halogen bonded supramolecular assemblies constructed from azulene derivatives and perfluorinated di-/triiodobenzenes</i> , <i>CrystEngComm</i> , 2023 , 25(37), 5243-5261, https://doi.org/10.1039/D3CE00752A	2,6	2,6	2,6	2,6
9	Daniela Bala, Luiza-Izabela Jinga, Marcela Popa, Anamaria Hanganu, Mariana Voicescu, Coralia Bleotu, Laszlo Tarko, Simona Nica , <i>Design, synthesis, and biological evaluation of new azulene-containing chalcones</i> , <i>Materials</i> , 2022 , 15(5), 1629; https://doi.org/10.3390/ma15051629	3,2	3,2	3,2	3,2
10	Simona Nica , Axel Buchholz, Helmar Görts, Winfried Plass, <i>Hydrazone-based ligand with pyrrolidine donor and its molybdenum (VI) complex: synthesis, structure, and reactivity</i> , <i>Z. Anorg. Allg. Chem.</i> 2021 , 647(8), 937-942, https://doi.org/10.1002/zaac.202000440	1,0	1,0	1,0	-
11	Alina S Dinca, Andreea Dogaru, Adrian E Ion, Simona Nica , Dan Dumitrescu, Sergiu Shova, Francisc Lloret, Miguel Julve, Marius Andruh, <i>An original 3D coordination polymer constructed from trinuclear nodes and tetracarboxylato spacers</i> , <i>CrystEngComm</i> , 2021 , 23(6), 1332-1335, https://doi.org/10.1039/D0CE01667E	2,6	2,6	2,6	2,6
12	Adriana Marinoiu, Mircea Raceanu, Mindaugas Andrulėvicius, Asta Tamuleviciene, Tomas Tamulevicius, Simona Nica , Daniela Bala, Mihai Varlam, <i>Low-cost preparation method of well dispersed gold nanoparticles on reduced graphene oxide and electrocatalytic stability in PEM fuel cell</i> , <i>Arab. J. Chem.</i> , 2020 , 13(1), 3585-3600, doi: 10.1016/j.arabjc.2018.12.009	5,2	5,2	-	-
13	Simona Nica , Monica Duldner, Anamaria Hanganu, Stela Iancu, Bogdan Cursaru, Andrei Sarbu, Petru Filip, Emeric Bartha, <i>Functionalized 1, 5, 7-triazabicyclo [4.4. 0] dec-5-ene (TBD) as novel organocatalyst for efficient depolymerization of polyethylene terephthalate (PET) wastes</i> , <i>Rev. Chim.</i> , 2018 , 69(10), 2613-2616	1,755	1,755	1,755	-
14	Adrian E Ion, Andreea Dogaru, Sergiu Shova, Augustin M Madalan, Oluseun Akintola, Sorana Ionescu, Mariana Voicescu, Simona Nica , Axel Buchholz, Winfried Plass, Marius Andruh, <i>Organic co-crystals of 1, 3-bis (4-pyridyl) azulene with a series of hydrogen-bond donors</i> , <i>CrystEngComm</i> , 2018 , 20(31), 4463-4484,	2,6	2,6	-	-



ACADEMIA ROMÂNĂ
SCOSAAR

	https://doi.org/10.1039/C8CE00945G				
15	Simona Nica , Sorana Ionescu, Anamaria Hanganu, Monica Duldner, Stela Iancu, Andrei Sarbu, Petru Filip, Emeric Bartha, <i>Mechanistic investigations of the organocatalytic depolymerization of PET waste with isosorbide</i> , <i>Revista de Chimie</i> , 2018 , 69(6), 1319-1326	1,755	1,755	-	-
16	Monica Duldner, Emeric Bartha, Stela Iancu, Stanca Capitanu, Simona Nica , Sorina Garea, <i>Polyester-ether polyols for rigid polyurethane foams, prepared from PET wastes by a clean method</i> , <i>Materiale Plastice</i> , 2016 , 53(3), 347-353	0,7	0,7	-	-
17	Adrian E. Ion Liliana Cristian, Mariana Voicescu, Masroor Bangesh, Augustin M. Madalan, Daniela Bala, Constantin Mihailciuc, Simona Nica , <i>Synthesis and properties of fluorescent 4'-azulenyl-functionalized 2,2':6',2''-terpyridines</i> , <i>Beilstein Journal of Organic Chemistry</i> , 2016 , 12, 1812-1825, https://doi.org/10.3762/bjoc.12.171	2,1	2,1	2,1	2,1
18	Eugenia Andreea Dragu, Jean-Valere Naubron, Anamaria Hanganu, Alexandru C. Razus, Simona Nica , <i>Absolute Configuration Determination of Azulenyl Diols Isolated From Asymmetric Pinacol Coupling</i> , <i>Chirality</i> , 2015 , 27(11), 826-834; https://doi.org/10.1002/chir.22523	3,0	3,0	3,0	3,0
19	Simona Nica , Anamaria Hanganu, Anca Tanase, Monica Duldner, Stela Iancu, Constantin Draghici, Petru Ivan Filip, Emeric Bartha, <i>Glycolytic Depolymerization of Polyethylene Terephthalate (PET) Wastes Organic vs. metal-catalysis</i> , <i>Revista de Chimie</i> , 2015 , 66 (8), 1105-1111	1,755	1,755	1,755	-
20	Adrian E. Ion, Simona Nica , Augustin M. Madalan, Sergiu Shova, Julia Vallejo, Miguel Julve, Francesc Lloret, Marius Andruh, <i>Two-Dimensional Coordination Polymers Constructed Using, Simultaneously, Linear and Angular Spacers and Cobalt(II) Nodes. New Examples of Networks of Single-Ion Magnets</i> , <i>Inorganic Chemistry</i> , 2015 , 54(1), 16-18, https://doi.org/10.1021/ic5025197	4,7	4,7	-	-
21	Simona Nica , Manfred Rudolph, Ines Lippold, Axel Buchholz, Helmar Görls, Winfried Plass, <i>Vanadium(V) complex with Schiff-base ligand containing a flexible amino side chain: Synthesis, structure and reactivity</i> , <i>Journal of Inorganic Biochemistry</i> , 2015 , 147, 193-203, https://doi.org/10.1016/j.jinorgbio.2015.02.009	3,2	3,2	3,2	-
22	Florina Teodorescu, Simona Nica , Cornelia Uncuta, Emeric Bartha, Petru I. Filip, Nicolas Vanthuyne, Christian Roussel, Attila Mándi, László Tóth, Tibor Kurtán, Jean-Valère Naubron, Isabela-Costinela Man, <i>Vibrational and electronic circular dichroism studies on the axially chiral pyridine-N-oxide: trans-2,6-di-ortho-tolyl-3,4,5-trimethylpyridine-N-oxide</i> , <i>Tetrahedron Asymmetry</i> , 2015 , 26(18-19), 1043-	2,126	2,126	-	-



ACADEMIA ROMÂNĂ
SCOSAAR

	1049; https://doi.org/10.1016/j.tetasy.2015.08.006				
23	Eugenia A. Dragu, Adrian E. Ion, Sergiu Shova, Daniela Bala, Constantin Mihailciuc, Mariana Voicescu, Sorana Ionescu, Simona Nica , <i>Visible-light triggered photoswitching systems based on fluorescent azulenyl-substituted dithienylcyclopentenes</i> , RSC Advances, 2015 , 5(78), 63282-63286, https://doi.org/10.1039/C5RA11974J	4,6	4,6	4,6	4,6
24	Simona Nica , Liliana Cristian, Anamaria Hanganu, Adrian E. Ion, Eugenia Andreea Dragu, Calin Deleanu, Alexandru C. Razus, <i>4-Guaiazulenyl Pyrylium Salts 2-and/or 6-substituted with Guaiazulenyl Pendant Arms</i> , Revista de Chimie, 2014 , 65(2), 164-167	1,755	1,755	1,755	-
25	Adrian E. Ion, Simona Nica , Augustin M. Madalan, Catalin Maxim, Miguel Julve, Francesc Lloret, Marius Andruh, <i>One-dimensional coordination polymers constructed from di- and trinuclear {3d-4f} tectons. A new useful spacer in crystal engineering: 1,3-bis(4-pyridyl)azulene</i> , Crystengcomm., 2014 , 16(3), 319-327, https://doi.org/10.1039/C3CE41592A	2,6	2,6	-	-
26	Eugenia A. Dragu, Anamaria Hanganu, Ileana Rau, Francois Kajzar, Alexandrina Tane, Alexandru C. Razus, Simona Nica , <i>Photochemistry of Fluorescent Azobenzenes Substituted with Azulenylpyridine Moiety</i> , Molecular Crystals and Liquid Crystals, 2014 , 604(1), 41-51, https://doi.org/10.1080/15421406.2014.967653	0,7	0,7	0,7	0,7
27	Axel Buchholz, Simona Nica , Robert Debel, Annika Fenn, Hergen Breitzke, Gerd Buntkowsky, Winfried Plass, <i>Vanadium complexes with side chain functionalized N-salicylidene hydrazides: Hydrogen-bonding relays as structural directive for supramolecular interactions</i> , Inorganica Chimica Acta, 2014 , 420, 166-176, https://doi.org/10.1016/j.ica.2014.03.037	3,2	3,2	-	-
28	Adrian E. Ion, Simona Nica , Augustin M. Madalan, Francesc Lloret, Miguel Julve, Marius Andruh, <i>C-3-symmetric trinuclear copper(II) species as tectons in crystal engineering</i> , Crystengcomm., 2013 , 15(2), 294-301, https://doi.org/10.1039/C2CE26469B	2,6	2,6	-	-
29	Simona Nica , Liliana Cristian, Calin Deleanu, Petru Ivan Filip, Alexandru C. Razus, <i>Extended pi-conjugated Chromophores based on Pyrylium Core Linked to Guiazulenyl Vinyl Moieties</i> , Revista de Chimie, 2013 , 64(6), 658-662	1,755	1,755	1,755	-
30	Liliana Cristian, Simona Nica , Octavian D. Pavel, Constantin Mihailciuc, Valer Almasan, Simona M. Coman, Christopher Hardacre, Vasile I. Parvulescu, <i>Novel ruthenium-terpyridyl complex for direct oxidation of amines to nitriles</i> , Catalysis Science & Technology, 2013 , 3(10),	4,3	4,3	-	-



ACADEMIA ROMÂNĂ
SCOSAAR

	2646-2653, https://doi.org/10.1039/C3CY00209H				
31	Eugenia Andreea Dragu, Simona Nica , Victorita Tecuceanu, Daniela Bala, Constantin Mihailciuc, Anamaria Hanganu, Alexandru C. Razus, <i>Synthesis and Electrochemical Properties of Carbocyclic and Heterocyclic Diazulenylethenes</i> , <i>European Journal of Organic Chemistry</i> , 2013 , 29, 6601-6610; https://doi.org/10.1002/ejoc.201300354	2,7	2,7	-	-
32	Madalina Tudorache, Simona Nica , Emerich Bartha, Iulia Lupan, Vasile I. Parvulescu, <i>Sequential deracemization of sulfoxides via whole-cell resolution and heterogeneous oxidation</i> , <i>Applied Catalysis A-General</i> , 2012 , 441, 42-46, https://doi.org/10.1016/j.apcata.2012.06.050	4,8	4,8	-	-
33	Eugenia Andreea Dragu, Simona Nica , Matei Raicopol, Adriana Baran, Dan-Florin Anghel, Bogdan Cojocaru, Laszlo Tarko, Alexandru C. Razus, <i>Synthesis, solid-state photophysical properties and electropolymerization of novel diazulenyl ethenes</i> , <i>Tetrahedron Letters</i> , 2012 , 53(21), 2611-2614; https://doi.org/10.1016/j.tetlet.2012.03.044	1,5	1,5	-	-
34	Alexandru C. Razus, Liliana Cristian, Simona Nica , Oana Zaharia, Anamaria Hanganu, <i>Pyrylium salts with 2-(azulen-1-yl) vinyl substituents in 2-, 4-and/or 6-positions</i> , <i>Arkivoc</i> , 2011 , 38-50	0,6	0,6	-	-
35	Alexandru C. Razus, Eugenia Andreea Dragu, Simona Nica , Alina Nicolescu, <i>Reductive coupling of (azulen-1-yl)carbonyl compounds by low-valent titanium; pinacol/pinacolone rearrangement versus pinacol and alkene generation</i> , <i>Tetrahedron Letters</i> , 2011 , 52(16), 1858-1862; https://doi.org/10.1016/j.tetlet.2011.02.022	1,5	1,5	-	-
36	Alexandru C. Razus, Simona Nica , Liliana Cristian, Matei Raicopol, Liviu Birzan, Andreea E. Dragu, <i>Synthesis and physico-chemical properties of highly conjugated azo-aromatic systems. 4-(azulen-1-yl)-pyridines with mono- and bis azo-aromatic moieties at C3-position of azulene</i> , <i>Dyes and Pigments</i> , 2011 , 91(1), 55- 61, https://doi.org/10.1016/j.dyepig.2011.02.008	4,2	4,2	4,2	4,2
37	Alexandru C. Razus, Liviu Birzan, Victorita Tecuceanu, Simona Nica , Cristian Enache, <i>Fragmentation of Azulen-1-yl Diazenes and bis-diazenes in Mass Spectrometer</i> , <i>Revista de Chimie</i> , 2010 , 61(1), 55-57	1,755	1,755	-	-
38	Cristian Enache, Filip Petru, Simona Nica , <i>Mass Spectrometry in the Analysis of non-ionic Detergents II. Quantitative determination of polyethyleneglycole in commercial products</i> , <i>Revista de Chimie</i> , 2010 , 61(7), 636 - 637	1,755	1,755	-	-
39	Cornelia Uncuta, Simona Ion , Dragos Gherase, Emeric Bartha, Florina Teodorescu, Petru Filip, <i>Absolute</i>	1,755	1,755	-	-



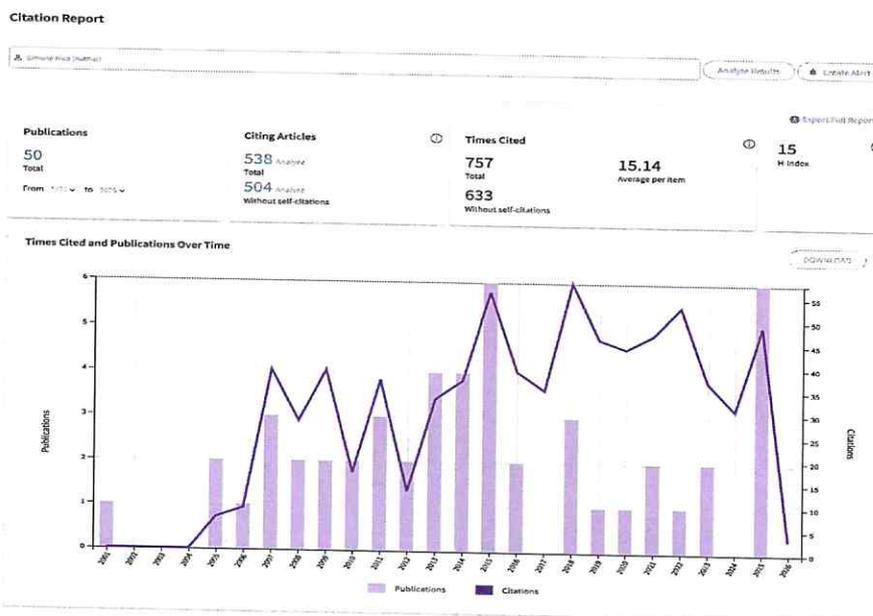
ACADEMIA ROMÂNĂ
SCOSAAR

	<i>Configurational Assignment in Chiral Compounds through Vibrational Circular Dichroism (VCD) Spectroscopy, Revista de Chimie, 2009, 60(1), 86-98</i>				
40	Alexandru C. Razus, Simona Nica , Eugenia Andreea Dragu, <i>Pyranylum Salts as Synthones in the Synthesis of Substituted Benzenes, Synthetic Communications, 2009, 39(17), 3166-3183, https://doi.org/10.1080/00397910902737130</i>	1,8	1,8	-	-
41	Simona Nica , Axel Buchholz, Manfred Rudolph, Annika Schweitzer, Maria Wächtler, Hergen Breitzke, Gerd Buntkowsky, Winfried Plass, <i>Mixed-ligand oxidovanadium(V) complexes with N'-salicylidenehydrazides: Synthesis, structure, and (51)V solid-state MAS NMR investigation, European Journal of Inorganic Chemistry, 2008, (14), 2350-2359, https://doi.org/10.1002/ejic.200800063</i>	2,0	2,0	2,0	-
42	Alexandru C. Razus, Claudia Pavel, Oana Lehadus, Simona Nica , Liviu Birzan, <i>Synthesis and properties of 1,6' -biazulenyl compounds, Tetrahedron, 2008, 64(8), 1792-1797, https://doi.org/10.1016/j.tet.2007.11.105</i>	2,2	2,2	-	-
43	Simona Nica , Axel Buchholz, Helmar Görls, Winfried Plass, <i>Methoxyoxobis(quinolin-8-olato-kappa N-2,O)vanadium(V), Acta Crystallographica E, 2007, 63, M1450-M1452, https://doi.org/10.1107/S1600536807016339</i>	0,347	0,347	0,347	-
44	Simona Nica , Manfred Rudolph, Helmar Görls, Winfried Plass, <i>Structural characterization and electrochemical behavior of oxovanadium(V) complexes with N-salicylidene hydrazides, Inorganica Chimica Acta, 2007, 360(5), 1743-1752, https://doi.org/10.1016/j.ica.2006.09.018</i>	3,2	3,2	3,2	-
45	Axel Pohlmann, Simona Nica , T. Kim K. Luong, Winfried Plass, <i>Dioxovanadium(v) complexes with side chain substituted N-salicylidenehydrazides modelling supramolecular interactions in vanadium haloperoxidases, Inorganic Chemistry Communications, 2005, 8(3), 289-292, https://doi.org/10.1016/j.inoche.2004.12.028</i>	5,4	5,4	-	-
46	Simona Nica , Axel Pohlmann, Winfried Plass, <i>Mixed-ligand oxidovanadium(V) complexes with N'-salicylidenehydrazides: Vanadium(V) oxoperoxo complexes with side chain substituted N-salicylidenehydrazides: Modeling supramolecular interactions in vanadium haloperoxidases, European Journal of Inorganic Chemistry, 2005, (11), 2032-2036, https://doi.org/10.1002/ejic.200401060</i>	2,0	2,0	2,0	-
47	<i>Electrocatalysts for Fuel Cells and Hydrogen Evolution: Theory to Design</i> , Eds. Abhijit Ray, Indrajit Mukhopadhyay, Ranjan Kumar Pati, Chapter 4: Noble metal dispersed on	2,0	2,0	-	-



ACADEMIA ROMÂNĂ
SCOSAAR

	reduced graphene oxide and its application in PEM fuel cells , pages , Adriana Marinouiu, Mircea Raceanu, Elena Carcadea, Aida Pantazi, Raluca Mesterca, Oana Tutunaru, Simona Nica , Daniela Bala, Mihai Varlam, Marius Enachescu, https://doi.org/10.5772/intechopen.80941				
48	Vanadium: the Verastile Metal, 2007, ACS Symposium Series, 2007, Eds: Kenneth Kustin, Joao Costa-Pessoa, and Debbie C. Crans, Volume: 974, ISBN-13: 978-0841274464; ISBN-10: 0841274460; HALOPEROXIDASES: MECHANISM AND MODEL STUDIES, Chapter 13: Model Studies of Vanadium-Dependent Haloperoxidation: Structural and Functional Lessons Pages: 163-177, Winfried Plass, Masroor Bangesh, Simona Nica , Axel Buchholz, doi: 10.1021/bk-2007-0974.ch013.	2,0	2,0	-	-
Total		120,51	120,51	59,67	40,90



Data

02.03.2026

Semnatura