

**Olar Mărioara Rodica – Listă de lucrări științifice
Publicații ISI**

#	Autori	Titlu	An	Jurnal	Q (JIF)	IF	Vol.	Nr.	Pagina start	Pagin a sfarsit	DOI
1	D.V. Teodoru, R. Olar, C. Maxim, M. Bacalum, M. Răileanu, E.-E. Iorgulescu, G. Vasile Scăețeanu, M. Badea	Copper(II) Methacrylate Complexes with Imidazole Derivatives—Structural, Spectral and Antitumor Features	2024	Molecules	2	4.20	29		4010		10.3390/molecules29174010
2	G. Vasile Scaeteanu, C. Maxim, M. Badea, R. Olar	An Overview of Various Applications of Cadmium Carboxylate Coordination Polymers	2024	Molecules	2	4.20	29		3874		10.3390/molecules29163874
3	G. Vasile Scaeteanu, M. Badea, R. Olar	Coordinative Compounds Based on Unsaturated Carboxylate with Versatile Biological Applications	2024	Molecules	2	4.20	29		2321		10.3390/molecules29102321
4	A. Dumitrescu, C. Maxim, M. Badea, A.M. Rostas, A. Ciorîță, A. Tirsoaga, R. Olar	Decavanadate-Bearing Guanidine Derivatives Developed as Antimicrobial and Antitumor Species	2023	Int. J. Mol. Sci.	2	4.90	24		17137		10.3390/ijms242417137
5	A. Tirsoaga, V. Cojocaru, M. Badea, I.A. Badea, A.M. Rostas, R. Stoica, M. Bacalum, M.C. Chifiriuc, R. Olar	Copper (II) Species with Improved Anti-Melanoma and Antibacterial Activity by Inclusion in β -Cyclodextrin	2023	Int. J. Mol. Sci.	2	4.90	24		2688		10.3390/ijms24032688
6	G. Vasile Scaeteanu, C. Maxim, M. Badea, R. Olar	Zinc(II) Carboxylate Coordination Polymers with Versatile Applications	2023	Molecules	2	4.20	28		1132		10.3390/molecules28031132
7	G. Vasile Scaeteanu, C.G. Daniliuc, R. Olar, M. Badea	An Interesting Conversion Route of Mononuclear Zinc Complex to Zinc Mixed Carboxylate Coordination Polymer	2023	Molecules	2	4.20	28		2011		10.3390/molecules28052011
8	A.C. Kuncser, A.M. Rostas, R. Zavoianu, O.D. Pavel, I.D. Vlaicu, M. Badea, D.C. Culita, A. Tirsoaga, R. Olar	Synthesis and Characterization of Hematite-Based Nanocomposites as Promising Catalysts for Indigo Carmine Oxidation	2022	Nanomaterials	2	5.30	12		2511		10.3390/nano12142511
9	R. Olar, C. Maxim, M. Badea, M. Bacalum, M. Raileanu, S. Avram, N. Celan Korošin, T. Burlanescu, A.M. Rostas	Antiproliferative Copper(II) Complexes Bearing Mixed Chelating Ligands: Structural Characterization, ROS Scavenging, In Silico Studies, and Anti-Melanoma Activity	2022	Pharmaceutics	1	5.40	14		1692		10.3390/pharmaceutics14081692
10	A.-M. Maciucă, A.-C. Munteanu, M. Mihaila, M. Badea, R. Olar, G.M. Nitulescu, C.V.A. Munteanu, V. Uivarosi	A Study on Repositioning Nalidixic Acid via Lanthanide Complexation: Synthesis, Characterization, Cytotoxicity and DNA/Protein Binding Studies	2022	Pharmaceuticals	2	4.60	15		1010		10.3390/ph15081010
11	R. Olar, C.G. Daniliuc, G. Vasile Scăețeanu, R. Cerc Korošec, N. Celan Korošin, M.C. Chifiriuc, M. Badea	Structural and Antimicrobial Characterization of Co-Crystal $[\text{Ni}(\text{bpy})(\text{acr})_2(\text{H}_2\text{O})] \cdot \text{MA}$	2022	Crystals	2	2.70	12		1078		10.3390/cryst12081078
12	R. Olar, M. Badea, M.C. Chifiriuc	Metal Complexes - A Promising Approach to Target Biofilm Associated Infections	2022	Molecules	2	4.60	27		758		10.3390/molecules27030758
13	A. Argăseală, C. Maxim, M. Badea, L. Ionită, M.C. Chifiriuc, A.M. Rostas, M. Bacalum, M. Răileanu, L.L. Rută, I.C. Farcasanu, E.E. Iorgulescu, R. Olar	Insights into Structure and Biological Activity of Copper(II) and Zinc(II) Complexes with Triazolopyrimidine Ligands	2022	Molecules	2	4.60	27		765		10.3390/molecules27030765
14	C. Maxim, M. Badea, A.M. Rostas, M.C. Chifiriuc, G. Gradisteanu Pircalabioru, S. Avram, R. Olar	Copper(II) species with 1-(o-tolyl)biguanide: Structural characterization, ROS scavenging, antibacterial activity, biocompatibility and in silico studies	2022	Appl. Organometal. Chem.	1	3.90	36		e6471		10.1002/aoc.6471
15	L.L. Ruta, I.C. Farcasanu, M.	Biological activity of triazolopyrimidine copper(II) complexes	2021	Molecules	2	4.927	26		6772		10.3390/molecules26226772

	Bacalum, M. Răileanu, A.M. Rostas, C.G. Daniliuc, M.C. Chifiriuc, L. Măruțescu, M. Popa, M. Badea, E.E. Iorgulescu, R. Olar	modulated by an auxiliary N-N-chelating heterocycle ligands									
16	R. Olar, M. Badea, M. Bacalum, M. Răileanu, L.R. Ruță, I.C. Farcașanu, A. Rostas, I.D. Vlaicu, M. Popa, M.C. Chifiriuc	Antiproliferative and antibacterial properties of biocompatible copper(II) complexes bearing chelating N,N-heterocycle ligands and potential mechanisms of action	2021	BioMetals	3	3.378	34		1155	1172	10.1007/s10534-021-00334-9
17	A.C. Kuncser, I.D. Vlaicu, O.D. Pavel, R. Zavoianu, M. Badea, D. Radu, D.C. Culita, A.M. Rostas, R. Olar	Soft synthesis and characterization of goethite-based nanocomposites as promising cyclooctene oxidation catalysts	2021	RSC Adv.	2	4.036	11		27589	2760 2	10.1039/d1ra04211d
18	M. Badea, M.N. Grecu, M.C. Chifiriuc, C. Bleotu, M. Popa, E.E. Iorgulescu, S. Avram, V. Uivarosi, A.-C. Munteanu, D. Ghica, R. Olar	Insight on Ni(II) and Cu(II) complexes of biguanide derivatives developed as new effective antimicrobial and antitumor agents	2021	Appl. Organometal. Chem.	1	4.072			6155		10.1002/aoc.6155
19	A. Fudulu, R. Olar, C. Maxim, G. Vasile Scăețeanu, C. Bleotu, L. Matei, M.C. Chifiriuc, M. Badea	New Cobalt (II) Complexes with Imidazole Derivatives: Antimicrobial Efficiency against Planktonic and Adherent Microbes and In Vitro Cytotoxicity Features,	2021	Molecules	2	4.927	26		55		10.3390/molecules26010055
20	A.-C. Munteanu, M.G. Musat, M. Mihaila, M. Badea, R. Olar, G.M. Nitulescu, F.Ș. Radulescu, L.I. Brasoveanu, V. Uivarosi	New heteroleptic lanthanide complexes as multimodal drugs: Cytotoxicity studies, apoptosis, cell cycle analysis, DNA interactions, and protein binding	2021	Appl. Organometal. Chem.	1	4.072	35		6062		10.1002/aoc.6062
21	E. Pătrașcu, M. Badea, N. Čelan Korošin, R. Cerc Korošec, L.L. Ruță, I.C. Farcașanu, M.N. Grecu, G. Guillaumeț, R. Olar	Insight on spectral, thermal and biological behaviour of some Cu(II) complexes with saturated pentaazamacrocyclic ligands bearing amino acid residues	2021	J. Therm. Anal. Calorim.	1	4.755	143		173	184	s10973-020-09259-w
22	M. Badea, V. Uivarosi, R. Olar	Improvement in the Pharmacological Profile of Copper Biological Active Complexes by Their Incorporation into Organic or Inorganic Matrix	2020	Molecules	2	4.412	25		5830		10.3390/molecules25245830
23	A.-M. Maciuca, A.-C. Munteanu, M. Mihaila, M. Badea, R. Olar, G.M. Nitulescu, C.V.A. Munteanu, M. Bostan, V. Uivarosi	Rare-Earth Metal Complexes of the Antibacterial Drug Oxolinic Acid: Synthesis, Characterization, DNA/Protein Binding and Cytotoxicity Studies	2020	Molecules	2	4.412	25		5418		10.3390/molecules25225418
24	R. Olar, M. Badea, C. Maxim, A.M. Grumezescu, C. Bleotu, L. Măruțescu, M.C. Chifiriuc	Anti-biofilm Fe ₃ O ₄ @C18-[1,3,4]thiadiazolo[3,2-a]pyrimidin-4-ium-2-thiolate Derivative Core-shell Nanocoatings	2020	Materials	2	3.623	13	20	4640		10.3390/ma13204640
25	A.M. Rostas, M. Badea, L.L. Ruta, I.C. Farcașanu, C. Maxim, M.C. Chifiriuc, M. Popa, M. Luca, N. Čelan Korosin, R. Cerc Korošec, M. Bacalum, M. Raileanu, R. Olar	Copper(II) Complexes with Mixed Heterocycle Ligands as Promising Antibacterial and Antitumor Species	2020	Molecules	2	4.412	25		3777		10.3390/molecules25173777
26	I. Nuță, M. Badea, M.C. Chifiriuc, C. Bleotu, M. Popa, C.-G. Daniliuc, R. Olar	Synthesis, physico-chemical characterization and bioevaluation of Ni(II), Pd(II), and Pt(II) complexes with 1-(o -tolyl)biguanide: Antimicrobial and antitumor studies	2020	Appl. Organometal. Chem.	1	4.105	34		e5807		10.1002/aoc.5807
27	A. Dumbrava, C. Maxim, R. Olar, M. Badea, M. Ștefan, M. N. Grecu, M. Andruh	One-dimensional coordination polymers constructed from copper(II) ions and chromato bridges: Synthesis, crystal structures and thermal analysis	2020	Inorg. Chim. Acta	2	2.545	509		119663		10.1016/j.ica.2020.119663
28	I.D. Vlaicu, R. Olar, C. Maxim, M.C. Chifiriuc, C. Bleotu, N. Stănică, G. Vasile Scăețeanu, C. Dulea, S. Avram, M. Badea	Evaluating the biological potential of some new cobalt (II) complexes with acrylate and benzimidazole derivatives	2019	Appl. Organometal. Chem.	1	3.140	e497 6				org/ 0.1002/aoc.4976
29	R. Olar, G. Vasile Scăețeanu, G.-M. Dănilă, C.-G. Daniliuc, R. Cerc	Synthesis and characterization of cobalt acrylate–melamine co-crystals	2019	J. Therm. Anal. Calorim.	2	2.731	135		2257	2264	10.1007/s10973-018-7264-1

	Korošec, N. Čelan Korošin, M. Badea										
30	I. Zarafu, M. Badea, G. Ioniță, M.C. Chifiriuc, C. Bleotu, M. Popa, P. Ioniță, A. Tatibouet, R. Olar	Thermal, spectral and biological characterisation of copper(II) complexes with isoniazid-based hydrazones	2019	J. Therm. Anal. Calorim.	2	2.731	136		1977	1987	10.1007/s10973-018-7853-z
31	L. Calu, M. Badea, N. Čelan Korošin, M.C. Chifiriuc, C. Bleotu, N. Stanică, L. Silvestro, M. Maurer, R. Olar	Spectral, thermal and biological characterization of complexes with a Schiff base bearing triazole moiety as potential antimicrobial species	2018	J. Therm. Anal. Calorim.	2	2.471	134		1839	1850	10.1007/s10973-018-7871-x
32	I.D. Vlaicu, G. Borodi, G. Vasile Scaeteanu, M.C. Chifiriuc, L. Maruțescu, M. Popa, M. Stefan, I.F. Mercioniu, M. Maurer, C.G. Daniliuc, R. Olar, M. Badea	X-ray Crystal Structure, Geometric Isomerism, and Antimicrobial Activity of New Copper(II) Carboxylate Complexes with Imidazole Derivatives	2018	Molecules	2	3.060	23		3252		10.3390/molecules23123253
33	A.-C. Munteanu, M. Badea, R. Olar, L. Silvestro, M. Mihaila, L.I. Brasoveanu, Mi.G. Musat, A. Andries, V. Uivarosi	Cytotoxicity studies, DNA interaction and protein binding of new Al (III), Ga (III) and In (III) complexes with 5-hydroxyflavone	2018	Appl. Organometal. Chem.	1	3.259	32		e4579		org/10.1002/aoc.4579
34	M. Badea, L. Calu, N. Čelan Korosin, I.G. David, M.C. Chifiriuc, C. Bleotu, G. Ionita, L. Silvestro, M. Maurer, R. Olar	Thermal behaviour of some biological active perchlorate complexes with a triazolopyrimidine derivative	2018	J. Therm. Anal. Calorim.	2	2.471	134		665	677	10.1007/s10973-018-7134-x
35	I.D. Vlaicu, R. Olar, G. Vasile Scaeteanu, L. Silvestro, M. Maurer, N. Stănică, M. Badea	Thermal, spectral and biological investigation of new nickel complexes with imidazole derivatives	2018	J. Therm. Anal. Calorim.	2	2.471	134		503	512	10.1007/s10973-018-7133-y
36	G. Vasile Scaeteanu, M.C. Chifiriuc, C. Bleotu, C. Kamerzan, L. Măruțescu, C.G. Daniliuc, C. Maxim, L. Calu, R. Olar, M. Badea	Synthesis, Structural Characterization, Antimicrobial Activity, and In Vitro Biocompatibility of New Unsaturated Carboxylate Complexes with 2,2'-Bipyridine	2018	Molecules	2	3.060	23		157		10.3390/molecules23010157
37	I. Zarafu, R. Olar, M.C. Chifiriuc, C. Bleotu, P. Ioniță, M. Muțescu, G. Ioniță, G. Grădișteanu, A.d Tatibouet, M. Badea	Synthesis, thermal, spectral, antimicrobial and cytotoxicity profile of the Schiff bases bearing pyrazolone moiety and their Cu(II) complexes	2018	J. Therm. Anal. Calorim.	2	2.471	134		1851	1861	10.1007/s10973-018-7681-1
38	A. Dumbrava, D. Berger, G. Prodan, M. Badea, R. Olar, F. Moscalu, A. Diacon	A study on thermal degradation of zinc oxide nanopowders functionalized with anthocyanins, in correlation with their properties and applications	2018	Appl. Phys. A	2	1.884	124		819		10.1007/s00339-018-2227-8
39	L. Măruțescu, L. Calu, M.C. Chifiriuc, C. Bleotu, C.-G. Daniliuc, D. Fălcescu, C.M. Kamerzan, M. Badea, R. Olar	Synthesis, Physico-chemical Characterization, Crystal Structure and Influence on Microbial and Tumor Cells of Some Co(II) Complexes with 5,7-Dimethyl-1,2,4-triazolo[1,5-a]pyrimidine	2017	Molecules	2	3.098	22		1233		10.3390/molecules22071233
40	M. Badea, C. Bucur, M.C. Chifiriuc, C. Bleotu, V. Lazar, D. Marinescu, R. Olar	Insight on thermal behavior of new complexes of Ni(II), Cu(II) and Zn(II) with a bismacrocyclic ligand as biological active species	2017	J. Therm. Anal. Calorim.	2	2.209	127		487	497	10.1007/s10973-016-5502-y
41	L. Calu, M. Badea, R. Cerc Korošec, P. Bukovec, C.G. Daniliuc, M.C. Chifiriuc, L. Măruțescu, C. Ciulică, G. Șerban, R. Olar	Thermal behaviour of some novel biological active complexes with a triazolopyrimidine pharmacophore	2017	J. Therm. Anal. Calorim.	2	2.209	127		697	708	10.1007/s10973-016-5515-6
42	R. Olar, M. Badea, M. Ferbințeanu, N. Stănică, I. Alan	Spectral, magnetic and thermal characterization of new Ni(II), Cu(II), Zn(II) and Cd(II) complexes with a bischelat Schiff base	2017	J. Therm. Anal. Calorim.	2	2.209	127		709	719	0.1007/s10973-016-5433-7
43	R. Olar, L. Calu, M. Badea, M.C. Chifiriuc, C. Bleotu, B. Velescu, O. Stoica, G. Ioniță, N. Stanică, L.Silvestro, C. Dulea, V. Uivarosi	Thermal behaviour of some biologically active species based on complexes with a triazolopyrimidine pharmacophore	2017	J. Therm. Anal. Calorim.	2	2.209	127		685	696	10.1007/s10973-016-5425-7
44	R. Olar, I.D. Vlaicu, M.C. Chifiriuc, C. Bleotu, N. Stanică, G. Vasile	Synthesis, thermal analysis and biological characterisation of some new nickel (II) complexes with unsaturated carboxylates	2017	J. Therm. Anal. Calorim.	2	2.209	127		731	741	10.1007/s10973-016-5445-3

	Scăețeanu, L. Silvestro, C. Dulea, M. Badea	and heterocyclic N-donor ligands									
45	I. Zarafu, M. Badea, G. Ioniță, P. Ioniță, A. Păun, M. Bucur, M.C. Chifiriuc, C. Bleotu, R. Olar	Spectral, magnetic, thermal and biological studies on Ca(II) and Cu(II) complexes with a novel crowned Schiff base	2017	J. Therm. Anal. Calorim.	2	2.209	127		1511	1521	10.1007/s10973-016-5573-9
46	M. Badea, R. Olar, L. Silvestro, M. Maurer, V. Uivarosi	Synthesis, spectral and thermal studies of the sodium salts of some Ru(III) complexes with quinolone antibiotics	2017	J. Therm. Anal. Calorim.	2	2.209	127		721	729	10.1007/s10973-016-5902-z
47	V. Uivarosi, R. Olar, M. Badea, M.C. Chifiriuc	Antimicrobial activity of some new Ru(III) complexes with quinolone derivatives	2017	Farmacia	4	1.507	65	6	972	977	
48	V. Uivarosi, M. Badea, R. Olar, B.S. Velescu, V. Aldea	Synthesis and characterization of a new complex of oxovanadium (IV) with naringenin, as potential insulinomimetic agent	2016	Farmacia	4	1.348	64	2	175	180	
49	A.-C. Munteanu, M. Badea, R. Olar, L. Silvestro, C. Dulea, C.-D. Negut, V. Uivarosi	Synthesis and Structural Investigation of New Bio-Relevant Complexes of Lanthanides with 5-Hydroxyflavone: DNA Binding and Protein Interaction Studies	2016	Molecules	2	2.861	21		1737	1756	10.3390/molecules21121737
50	A. Dumbrava, R. Olar, M. Badea, C. Maxim, D. Ghica, M. Andruh	New coordination polymers with chromato bridges: $^{1\infty}$ [Ni(phen)(H ₂ O) ₂ (μ-O ₂ CrO ₂)] and $^{3\infty}$ [Mn(4,4'-bipy)(H ₂ O)(μ-O ₃ CrO)]·H ₂ O	2015	Inorg. Chim. Acta	2	1.918	426		50	54	10.1016/j.ica.2014.11.009
51	L. Calu, M. Badea, M.C. Chifiriuc, C. Bleotu, G.-I. David, G. Ioniță, L. Măruțescu, V. Lazăr, N. Stanică, I. Soponar, D. Marinescu, R. Olar	Synthesis, spectral, thermal, magnetic and biological characterization of Co(II), Ni(II), Cu(II) and Zn(II) complexes with a Schiff base bearing a 1,2,4-triazole pharmacophore	2015	J. Therm. Anal. Calorim.	2	1.781	120		375	386	10.1007/s10973-014-3970-5
52	R. Olar, F. Pătrașcu, M.C. Chifiriuc, E.E. Iorgulescu, C. Bleotu, L. Măruțescu, V. Lazar, D. Marinescu, N. Stanică, M. Badea	Insight on thermal, spectral, magnetic and biologic behaviour of new Ni(II), Cu(II) and Zn(II) complexes with a pentaazamacrocyclic ligand derived from nicotinamide	2014	J. Therm. Anal. Calorim.	2	2.042	118		1159	1169	10.1007/s10973-014-3864-6
53	M. Badea, F. Pătrașcu, R. Cerc Korosec, P. Bukovec, M. Raită, M.C. Chifiriuc, L. Măruțescu, C. Bleotu, B. Velescu, D. Marinescu, V. Uivarosi, R. Olar	Thermal, spectral, magnetic and biologic characterization of new Ni(II), Cu(II) and Zn(II) complexes with a hexaazamacrocyclic ligand bearing ketopyridine moieties	2014	J. Therm. Anal. Calorim.	2	2.042	118		1183	1193	10.1007/s10973-014-3857-5
54	M. Badea, I.D. Vlaicu, R. Olar, M. Constand, C. Bleotu, M.C. Chifiriuc, L. Marutescu, V. Lazar, M.N. Grecu, D. Marinescu	Thermal behaviour and characterisation of new biologically active Cu(II) complexes with benzimidazole as main ligand	2014	J. Therm. Anal. Calorim.	2	2.042	118		1119	1133	10.1007/s10973-014-3745-z
55	M. Badea, L. Calu, M.C. Chifiriuc, C. Bleotu, A. Marin, S. Ion, G. Ionița, N. Stanica, L. Marutescu, V. Lazar, D. Marinescu, R. Olar	Thermal behaviour of some novel antimicrobials based on complexes with a Schiff base bearing 1,2,4-triazole pharmacophore	2014	J. Therm. Anal. Calorim.	2	2.042	118		1145	1157	10.1007/s10973-014-3821-4
56	R. Olar, G. Vasile Scaeteanu, I. Dorina Vlaicu, L. Marutescu, M. Badea	Synthesis, physico-chemical characterization and thermal behavior of new complexes with N ₄ O ₂ donor set	2014	J. Therm. Anal. Calorim.	2	2.042	118		1195	1202	10.1007/s10973-014-3809-0
57	C. Bucur, M. Badea, M.C. Chifiriuc, C. Bleotu, E.E. Iorgulescu, I.A. Badea, M.N. Grecu, V. Lazar, O.-I. Patriciu, D. Marinescu, R. Olar	Studies on thermal, spectral, magnetic and biological properties of new Ni(II), Cu(II) and Zn(II) complexes with a bismacrocyclic ligand bearing an aromatic linker	2014	J. Therm. Anal. Calorim.	2	2.042	115		2179	2189	10.1007/s10973-013-3460-1
58	A. Dumbrava, R. Olar, M. Badea, M.N. Grecu, F. Patrascu, L. Marutescu, N. Stanica	Synthesis and characterisation of Ni(II), Cu(II), and Zn(II) complexes with an acyclic Mannich base functionalized with thioglycolate moiety	2014	J. Therm. Anal. Calorim.	2	2.042	115		2447	2455	10.1007/s10973-013-3437-0
59	D.-C. Ilies, E. Pahontu, S. Shova, R. Georgescu, N. Stanica, R. Olar, A. Gulea, T. Rosu	Synthesis, characterization, crystal structure and antimicrobial activity of copper(II) complexes with a thiosemicarbazone derived from 3-formyl-6-methylchromone	2014	Polyhedron	2	2.011	81		123	131	10.1016/j.poly.2014.05.074
60	V. Uivarosi, M. Badea, R. Olar, C. Drăghici, Ș.F. Bărbuceanu	Synthesis and characterization of some new complexes of magnesium (II) and zinc (II) with the natural flavonoid	2013	Molecules	3	2.095	18		7631	7645	10.3390/molecules18077631

		primuletin									
61	C. Bucur, R. Cerc Korošec, M. Badea, L. Calu, M.C. Chifiriuc, N. Grecu, N. Stanică, D. Marinescu, R. Olar	Investigation of thermal stability, spectral, magnetic and antimicrobial behavior for new complexes of Ni(II), Cu(II) and Zn(II) with a bismacrocylic ligand	2013	J. Therm. Anal. Calorim.	2	2.206	113		1287	1295	10.1007/s10973-012-2913-3
62	F. Pătrașcu, M. Badea, M.N. Grecu, N. Stanică, L. Măruțescu, D. Marinescu, C. Spînu, C. Tigae, R. Olar	Thermal, spectral, magnetic and antimicrobial behaviour of new Ni(II), Cu(II) and Zn(II) complexes with a hexaazamacrocyclic ligand	2013	J. Therm. Anal. Calorim.	2	2.206	113		1421	1429	10.1007/s10973-012-2898-x
63	I.D. Vlaicu, M. Constand, R. Olar, D. Marinescu, M.N. Grecu, V. Lazar, M.C. Chifiriuc, M. Badea	Thermal stability of new biologic active copper (II) complexes with 5,6-dimethylbenzimidazole	2013	J. Therm. Anal. Calorim.	2	2.206	113		1369	1377	10.1007/s10973-013-2948-z
64	I.D. Vlaicu, R. Olar, D. Marinescu, V. Lazar, M. Badea	Physico-chemical and thermal characterisation of new Co(II) complexes with pyrazole derivatives	2013	J. Therm. Anal. Calorim.	2	2.206	113		1337	1343	10.1007/s10973-013-2945-2
65	I. Alan, A. Kriza, M. Badea, N. Stanica, R. Olar	Synthesis and characterization of Co(II), Ni(II), Zn(II) and Cd(II) complexes with 5-bromo-N,N'-bis-(salicylidene)-o-tolidine	2013	J. Therm. Anal. Calorim.	2	2.206	111		483	490	10.1007/s10973-012-2249-y
66	G. Vasile, R. Olar, D. Marinescu, A. Kriza, L. Marutescu, M.C. Chifiriuc, M. Badea	Thermal study of new biologic active complexes with mixed ligands	2013	J. Therm. Anal. Calorim.	2	2.206	111		1783	1790	10.1007/s10973-012-2317-3
67	M. Badea, R. Olar, M. Iliș, R. Georgescu, M. Calinescu	Synthesis, characterization and thermal decomposition of new copper(II) complex compounds with clorhexidine	2013	J. Therm. Anal. Calorim.	2	2.206	111		1763	1770	10.1007/s10973-012-2316-4
68	R. Olar, M. Badea, M. Iliș, T. Negreanu-Pirjol, M. Calinescu	Studies on thermal behavior of some copper(II) complex compounds with a dibiguanide ligand	2013	J. Therm. Anal. Calorim.	2	2.206	111		1189	1195	10.1007/s10973-012-2227-4
69	L. Calu, R. Olar, M. Badea, D. Falcescu, D. Duca, D. Marinescu	Thermal study on complexes with Schiff base derived from 1,2,4-triazole as potential antimicrobial agents	2013	J. Therm. Anal. Calorim.	2	2.206	111		1725	1730	10.1007/s10973-012-2201-1
70	M. Badea, E. Iosub, C.M. Chifiriuc, L. Marutescu, E.E. Iorgulescu, V. Lazar, D. Marinescu, C. Bleotu, R. Olar	Thermal, spectral and antimicrobial characterization of Pd(II) complexes with ligands bearing biguanide moieties	2013	J. Therm. Anal. Calorim.	2	2.206	111		1753	1761	10.1007/s10973-012-2288-4
71	M. Badea, A.-M. Crasanda, M.C. Chifiriuc, L. Marutescu, V. Lazar, D. Marinescu, R. Olar	Synthesis, spectral and thermal study on new Fe(III) complexes with N,N'-dimethylbiguanide as antibacterial agents	2013	J. Therm. Anal. Calorim.	2	2.206	111		1743	1751	10.1007/s10973-012-2277-7
72	V. Uivarosi, M. Badea, L. Chirigiu, V. Aldea, R. Olar	Thermal and spectral studies of palladium(II) and platinum(IV) complexes with dithiocarbamate derivatives	2013	J. Therm. Anal. Calorim.	2	2.206	111		1177	1182	10.1007/s10973-012-2315-5
73	I. Alan, A. Kriza R. Olar, N. Stanica, M. Badea	Spectral, magnetic and thermal characterisation of new Co(II), Ni(II) and Cu(II) complexes with Schiff base 5-bromo- N,N'-bis-(salicylidene)-o-tolidine	2013	J. Therm. Anal. Calorim.	2	2.206	111		1163	1171	10.1007/s10973-012-2273-y
74	M. Badea, R. Olar, V. Uivarosi, D. Marinescu, V. Aldea	Synthesis and characterization of some vanadyl complexes with flavonoid derivatives as potential insulin-mimetic agents	2012	J. Therm. Anal. Calorim.	2	1.982	107		279	285	10.1007/s10973-011-1413-0
75	R. Olar, A. Dogaru, D. Marinescu, M. Badea	New vanadil complexes with metformin derivatives as potential insulin mimetic agents	2012	J. Therm. Anal. Calorim.	2	1.982	110		257	262	10.1007/s10973-012-2274-x
76	C. Bucur, M. Badea, L. Calu, D. Marinescu, M.N. Grecu, N. Stanica, M.C. Chifiriuc, R. Olar	Thermal behavior of some new complexes with decaaza bismacrocylic ligand as potential antimicrobial species	2012	J. Therm. Anal. Calorim.	2	1.982	110		235	241	10.1007/s10973-012-2199-4
77	M. Badea, R. Olar, V. Uivarosi, D. Marinescu, V. Aldea, S.F. Barbuceanu, G.M. Nitulescu	Thermal behavior of some vanadyl complexes with flavone derivatives as potential insulin-mimetic agents	2011	J. Therm. Anal. Calorim.	2	1.681	105	2	559	564	10.1007/s10973-010-1253-3
78	V. Uivarosi, M. Badea, R. Olar, D. Marinescu, T.O. Nicolescu, G.M. Nitulescu	Thermal degradation behavior of some ruthenium complexes with fluoroquinolone derivatives as potential antitumor agents	2011	J. Therm. Anal. Calorim.	2	1.681	105	2	645	650	10.1007/s10973-010-1222-x
79	R. Olar, M. Badea, D. Marinescu, R. Mardale	Thermal behaviour of new Cu(II) complexes with schiff bases functionalised with 1,3,5-triazine moieties as potential antibacterial agents	2011	J. Therm. Anal. Calorim.	2	1.681	105	2	553	557	10.1007/s10973-010-1132-y
80	R. Olar, M. Badea, D. Marinescu, L.	Thermal behaviour of some new complexes with	2011	J. Therm. Anal.	2	1.681	105	2	571	575	10.1007/s10973-010-1226-6

	Calu, C. Bucur	bismacrocylic ligands as potential biological active species		Calorim.																
81	R. Olar, M. Badea, D. Marinescu, C. Chifiriuc, C. Bleotu, N. Grecu, Emilia E. Iorgulescu, M. Bucur, V. Lazar, A. Finaru	Prospects for new antimicrobials based on N,N-dimethylbiguanide complexes as effective agents on both planktonic and adherent microbial strains	2010	Eur. J. Med. Chem.	1	3.529	45			2868	2875	10.1016/j.ejmech.2010.03.009								
82	R. Olar, M. Badea, D. Marinescu, C. Chifiriuc, C. Bleotu, N. Grecu, E.E. Iorgulescu, V. Lazar	N,N-Dimethylbiguanide complexes displaying low cytotoxicity as potential large spectrum antimicrobial agents	2010	Eur. J. Med. Chem.	1	3.529	45			3027	3034	10.1016/j.ejmech.2010.03.033								
83	R. Olar, M. Badea, D. Marinescu, E.E. Iorgulescu, E. Frunza, V. Lazar, C. Chifiriuc	Thermal, spectral and antimicrobial study on some Cu(II) complexes with ligands bearing biguanide moieties	2010	J. Therm. Anal. Calorim.	2	1.787	99			815	821	10.1007/s10973-009-0414-8								
84	R. Olar, M. Badea, D. Marinescu	Thermal study of some new Ni(II) and Cu(II) complexes with ligands derived from N,N-dimethylbiguanide as potential antimicrobials	2010	J. Therm. Anal. Calorim.	2	1.787	99			893	898	10.1007/s10973-009-0487-4								
85	E. Angelescu, R. Ionescu, O.D. Pavel, R. Zavoianu, R. Birjega, C.R. Lupulescu, M. Florea, R. Olar	Epoxidation of cyclohexene with O ₂ and iso-butyraldehyde catalysed by Cobalt modified hydrotalcite	2010	J. Mol. Catal. A:Chemical	3	2.872	315	2		178	186	10.1016/j.molcata.2009.09.009								
86	M. Badea, R. Olar, D. Marinescu, V. Uivarosi, V. Aldea, T.O. Niculescu	Thermal stability of new vanadyl complexes with flavonoid derivatives as potential insulin-mimetic agents	2010	J. Therm. Anal. Calorim.	2	1.787	99			823	827	10.1007/s10973-009-0387-7								
87	M. Badea, R. Olar, D. Marinescu, V. Uivarosi, T.O. Niculescu, D. Iacob	Thermal study of some new quinolone ruthenium (III) complexes with potential cytostatic activity	2010	J. Therm. Anal. Calorim.	2	1.787	99			829	834	10.1007/s10973-009-0479-4								
88	V. Uivarosi, S.F. Barbuceanu, V. Aldea, C.-C. Arama, M. Badea, R. Olar, D. Marinescu	Synthesis, Spectral and Thermal Studies of New Rutin Vanadyl Complexes	2010	Molecules	2	1.980	15			1578	1589	10.3390/molecules15031578								
89	R. Olar, M. Badea, D. Marinescu, V. Lazar, C. Chifiriuc	Thermal behaviour of new Ni(II) and Cu(II) complexes with macrocyclic ligands functionalised with 1,2,4-triazole	2009	J. Therm. Anal. Calorim.	2	1.531	97	1		315	321	10.1007/s10973-008-9650-6								
90	R. Olar, M. Badea, D. Marinescu, V. Lazar, C. Chifiriuc	New complexes of Ni(II) and Cu(II) with Schiff bases functionalised with 1,3,4-thiadiazole: spectral, magnetic, biological and thermal characterisation	2009	J. Therm. Anal. Calorim.	2	1.531	97	1		721	727	10.1007/s10973-009-0280-4								
91	M. Badea, R. Olar, D. Marinescu, V. Uivarosi, D. Iacob	Thermal decomposition of some biologically active complexes of ruthenium (III) with quinolone derivatives	2009	J. Therm. Anal. Calorim.	2	1.531	97	1		735	739	10.1007/s10973-009-0343-6								
92	M. Badea, R. Olar, D. Marinescu, V. Lazar, C. Chifiriuc, G. Vasile	Thermal behaviour of new biological active cadmium mixed ligands complexes	2009	J. Therm. Anal. Calorim.	2	1.531	97	1		781	785	10.1007/s10973-009-0344-5								
93	M. Badea, R. Olar, D. Marinescu, G. Vasile, B. Jurca, A. M. Madalan, M. Andruh	A Michael-type reaction between acrylate ions and ethylenediamine coordinated to Ni(II). Synthesis, crystal structure and magnetic properties of [Ni ₂ (EDDP) ₂ (H ₂ O) ₂].2H ₂ O (H ₂ EDDP = ethylenediamine-N,N-dipropionic acid)	2009	Inorg. Chem. Comm.	2	2.029	12			555	557	10.1016/j.inoche.2009.04.019								
94	R. Olar, M. Badea, M.N. Grecu, D. Marinescu, V. Lazar, C. Balotescu	Copper(II) complexes with N,N-dimethylbiguanide Thermal behavior, spectroscopic and biological characterization	2008	J. Therm. Anal. Calorim.	2	1.465	92	1		239	243	10.1007/s10973-007-8767-3								
95	R. Olar, M. Badea, O. Carp, D. Marinescu, V. Lazar, C. Balotescu, A. Dumbrava	Synthesis, characterisation and thermal behaviour of some thiosulfato- and sulfato copper (II) complexes. Antibacterial activity	2008	J. Therm. Anal. Calorim.	2	1.465	92	1		245	251	10.1007/s10973-007-8768-2								
96	M. Badea, R. Olar, D. Marinescu, G. Vasile	Thermal behavior of some new triazole derivative complexes	2008	J. Therm. Anal. Calorim.	2	1.465	92	1		209	214	10.1007/s10973-007-8766-4								
97	M. Badea, R. Olar, D. Marinescu, G. Vasile	Thermal stability of new complexes bearing both acrylate and aliphatic amine as ligands	2008	J. Therm. Anal. Calorim.	2	1.465	92	1		205	208	10.1007/s10973-007-8765-5								
98	V. V. Grecu, S. Constantinescu, M.N. Grecu, R. Olar, M. Badea, R. Turcu	Magnetic characterization of some nanometric iron oxides	2008	Hyperfine Interact.	3	0.194	183	1-3		205	214	10.1007/s10751-008-9753-2								
99	M.M. Mitache, M.C. Chifiriuc, A. Badea, O.L. Geana, M. Bucur, R. Olar, M. Badea, E. Panus, N. Roşoiu, I. Paul, T. Sesan, V. Lazăr	Novel antipathogenic strategies against adherent enterobacterial strains isolated from the hospital environment	2008	Roum. Arch. Microbiol. Immun.	4	0.080	67	1-2		43	48									
100	R. Olar, M. Badea, V. Lazar, C.	Thermal behaviour of some N,N-dimethylbiguanide	2007	J. Therm. Anal.	2	1.442	88	2		323	327	10.1007/s10973-005-8032-6								

	Balotescu, E. Cristurean, D. Marinescu	derivatives displaying antimicrobial activity		Calorim.							
101	M. Badea, R. Olar, D. Marinescu, E. Segal, A. Rotaru	Thermal stability of some new complexes bearing ligands with polymerizable groups	2007	J. Therm. Anal. Calorim.	2	1.442	88	2	317	321	10.1007/s10973-006-8031-2
102	R. Olar, M. Badea, E. Cristurean, C. Pamau, D. Marinescu	Thermal behaviour of new N,N-dimethylbiguanide complexes having selective and effective antibacterial activity	2006	J. Therm. Anal. Calorim.	2	1.357	84	1	53	58	10.1007/s10973-005-7177-7
103	M. Badea, R. Olar, D. Marinescu, G. Vasile	Thermal behavior of some new complexes bearing ligands with polymerisable groups	2006	J. Therm. Anal. Calorim.	2	1.357	85	2	285	288	10.1007/s10973-005-7176-8
104	C. Parnau, R. Olar, M. Badea, A. Kriza	Thermal behavior of some new isatin complexes	2006	J. Therm. Anal. Calorim.	2	1.357	86	1	217	221	10.1007/s10973-005-7178-6
105	A. Emandi, M. Badea, R. Olar	The effect of Er(III) on the thermal behavior of azo (-N=N-) and azomethynic (-CH=N-) chromophores	2006	J. Therm. Anal. Calorim.	2	1.357	84	3	601	605	10.1007/s10973-005-7175-9
106	R. Olar, M. Badea, N. Stanica, E. Cristurean, D. Marinescu	Synthesis, characterisation and thermal behaviour of some complexes with ligands having 1,3,4-thiadiazole moieties	2005	J. Therm. Anal. Calorim.	2	1.451	82	2	417	422	10.1007/s10973-005-0911-3
107	M. Badea, R. Olar, G. Vasile, A. Emandi, V. Pop, D. Marinescu	Thermal behaviour of some new chromium complexes with potential biological importance	2005	J. Therm. Anal. Calorim.	2	1.451	81	2	273	276	10.1007/s10973-005-0778-3
108	R. Olar, M. Badea, E. Cristurean, V. Lazar, R. Cernat, C. Balotescu	Thermal behavior spectroscopic and biological characterization of cobalt(II), zinc(II), palladium(II) and platinum(II) complexes with N,N-dimethylbiguanide	2005	J. Therm. Anal. Calorim.	2	1.451	80	2	451	455	10.1007/s10973-005-0676-8
109	R. Olar, M. Badea, D. Marinescu, M. Iorgulescu, S. Stoleriu	Nickel(II) complexes with ligands resulted in condensation of N,N-dimethylbiguanide and pentane-2,4-dione: Synthesis, thermal behavior and spectroscopic characterization	2005	J. Therm. Anal. Calorim.	2	1.451	80	2	363	367	10.1007/s10973-005-0661-2
110	M. Badea, R. Olar, D. Marinescu, G. Vasile	Thermal behaviour of some new acrylate complexes as a criterion in their selection for further co-polymerization reaction	2005	J. Therm. Anal. Calorim.	2	1.451	80	3	683	685	10.1007/s10973-005-0714-6
111	M. Badea, R. Olar, D. Marinescu, G. Vasile, S. Stoleriu	Thermal stability of some new complex compounds with allylacetoacetate as ligand	2005	J. Therm. Anal. Calorim.	2	1.451	80	3	679	682	10.1007/s10973-005-0713-7
112	M. Badea, R. Olar, D. Marinescu, A. Emandi, V. Pop, G. Vasile	Complexes with acrylate ion as ligand. I. Polynuclear chromium (III) complexes	2005	Nonlinear Optics, Quantum Optics	2	0.378	32	1-3	127	134	
113	R. Olar, M. Badea, L. Diamandescu, E. Cristurean, D. Marinescu, D. Mihaila-Tarabasanu, N. Stanica, M. Brezeanu	Soft chemical synthesis and characterisation of some substituted ferrites	2004	J. Alloys Comp.	2	1.581	363	1-2	257	262	10.1016/S0925-8388(03)00452-3
114	M. Badea, R. Olar, E. Cristurean, D. Marinescu, A. Emandi, M. Calinescu, E. Segal	Thermal stability of some azo-derivatives and their complexes. 2. New azo-derivative pigments and their Cu(II) complexes	2004	J. Therm. Anal. Calorim.	2	1.397	77	3	815	824	10.1023/B:JTAN.0000041660.12310.c7
115	O. Carp, L. Patron, D. Visan, N. Dragan, R. Olar	Influence of Precursor on the thermally Induced Synthesis Dysprosium Manganite with Perovskite Structure	2003	J. Therm. Anal. Calorim.	2	1.397	72	1	253	261	10.1023/A:1023992308398
116	O. Carp, L. Patron, A. Ianculescu, J. Pasuk, R. Olar	New Synthesis Routs for Obtaining Dysprosium Manganese Perovskite	2003	J. Alloys Comp.	2	1.124	351	1-2	314	318	10.1016/S0925-8388(02)01079-4
117	M. Badea, A. Emandi, D. Marinescu, E. Cristurean, R. Olar, A. Braileanu, P. Budrugaec, E. Segal	Thermal stability of some azo-derivatives and their complexes. 1. 1-(2-benzthiazolyl)-3methyl-4-azo-pyrazil-5-one derivatives and their Cu(II) complexes	2003	J. Therm. Anal. Calorim.	2	1.034	72	2	525	531	10.1023/A:1024517430630
118	M. Badea, R. Olar, D. Marinescu, E. Cristurean, M. Brezeanu	Polynuclear complexes of chromium (III) and M(II) (M: Mn, Co, Ni, Zn) with thiourea	2003	Rev. Roum. Chim.	4	0.110	48	12	927	937	
119	D. Marinescu, R. Olar, C.M. Simonescu, L. Ivan, P. Grandclaudon, A. Meghea, N. Stanica	Complexes with amides. Part 2. Synthesis, spectroscopic, magnetic and biological characterisation of Ni(II) and Cu(II) complexes with polyfunctional amides	2002	Rev. Roum. Chim.	4	0.222	47		437	441	
120	M. Badea, R. Olar, E. Cristurean, D. Marinescu, M. Brezeanu, C. Calina-Soradi, E. Segal	Thermal stability and non-isothermal decomposition kinetics. Heteropolynuclear compounds of Cu(II)	2000	J. Therm. Anal. Calorim.	2	0.470	59	3	977	984	10.1023/A:1010147013942
121	R. Olar, E. Cristurean, D. Marinescu, M. Badea, L. Ivan	Template condensation reactions VII. Ni(II) and Cu(II) complexes resulting in the system bisoxo-2,2'-	2000	UPB Sci. Bull. B	4	0.159	62	2	45	51	

		biscyclohexylmethane - ethylenediamine									
122	M. Badea, R. Olar, E. Cristurean, D. Marinescu, M. Brezeanu, M. Balasoiu, E. Segal	Thermal stability of some coordination polynuclear coordination compounds in systems Ln(III) - Co(II) – oxalate	1999	J. Therm. Anal. Calorim.	2	0.370	58	1	103	111	10.1023/A:1010131617489
123	R. Olar, D. Marinescu, C. Popescu, C. T. Supuran	1,3,4-Thiadiazole derivatives. Part 7. Complexes of Pt(II) with some thiadiazole derivatives	1997	Rev. Roum. Chim.	4	0.110	42	2	111	114	
124	M. Badea, R. Olar, M. Brezeanu, D. Marinescu, E. Segal	Thermal stability and non-isothermal kinetic study of three coordination compounds of Cu(II)	1996	Thermochim. Acta	2	0.600	279	1-2	183	190	10.1016/0040-6031(96)90084-2
125	M. Brezeanu, R. Olar, A. Meghea, C. T. Supuran	1,3,4-Thiadiazole derivatives. Part 5. Heteropolinuclear complexes of 2-amino-5-mercapto-1,3,4-thiadiazole	1996	Rev. Roum. Chim.	4	0.110	41	1-2	103	107	
126	M. Brezeanu, R. Olar, C. T. Supuran, N. Stanica, M. Stoicescu	1,3,4 Thiadiazole derivatives. Part 6. Polinuclear complexes of 2-amino-5-mercapto-1,3,4-thiadiazole with Co(II) and Ni(II)	1996	Rev. Roum. Chim.	4	0.110	41	9-10	681	685	

Cărți și capitole de carte

1. Metal Complexes of Plant Secondary Metabolites with Therapeutic Potential în Plant Secondary Metabolites Physico-Chemical Properties and Therapeutic Applications (Ed. A.K. Sharma, A. Sharma), V. Uivarosi, Alexandra-C. Munteanu, M. Badea, **R. Olar**, Ed. Springer, 2022.
2. Nanoformulation as a Tool for Improve the Pharmacological Profile of Platinum and Ruthenium Anticancer Drugs în Descriptive Inorganic Chemistry Researches of Metal Compounds, V. Uivarosi, **R. Olar**, M. Badea, Dr. Takashiro Akitsu (Ed.), InTech, 2017. DOI: 10.5772/intechopen.68306.
3. Compuși coordinativi naturali, D. Marinescu, **R. Olar**, M. Badea, Ed. Univ. Buc., 2009 (ISBN 978-973-737-670-1)
4. Chimie bioanorganica – biometale, **R. Olar**, Ed. Univ. Buc., 2001 (ISBN 973-575-617-X)
5. Sistemul periodic de buzunar, V. Gaitanovici, E. M. Badea, **R. Olar**, Ed. Carminis Pitesti, 2001, (ISBN 973-8074-63-0)
6. Chimia metalelor. Lucrari practice de laborator, E. Cristurean, D. Marinescu, A. Antoniu, **R. Olar**, M. Badea, Ed. Univ. Buc., 1998 (ISBN 973-575-277-8) (reeditare 2000)
7. Bazele Chimiei coordinative, D. Marinescu, R. Olar, M. Badea, Ed. Univ. Buc., 1995 (ISBN 973-575-054-6)

Brevete de invenție

1. V. Uivarosi, C.-C. Aramă, Șt.-F. Bărbuceanu, L.I. Brașoveanu, M.A. Mihăilă, E.M. Badea, **M.R. Olar**, Complecși de asociere hidroxipropil-beta-ciclodextrină/compuși de ruteniu și utilizare terapeutică, Nr. 132536 din 30.05.2022.
2. V. Uivarosi, B.Șt. Velescu, V. Aldea, S. Negreș, **M.R. Olar**, Compuși de oxovanadiu (IV) cu flavanone, procedeu de obținere și utilizare terapeutică, Nr. 126184 din 29.11.2013.

Listă contracte

Nr.	Titlu contract	Tip contract	Rol
1.	Sistem integrat de management al eticii cercetării	ICUB/2023	Membru
2.	Start în carieră prin master didactic	POCU/864/6/21/140783 (2020-2023)	Membru
3.	Selection and dissemination of antibiotic resistance genes from wastewater treatment plants into the aquatic environment and clinical reservoirs	PN-III-P4-ID-PCCF-2016-0114	Membru
4.	Conceperea și dezvoltarea unor sisteme de transport și cedare pentru noi compuși de ruteniu cu acțiune antitumorală	PNII-PCCE/136 (2012-2015)	Membru

5.	An Assessment of the Anthropogenic Factors upon the Quality and the Health Benefits of Tea and Herbal Teas (Cooperare bilaterala Romania-Turcia)	604/2013-2014	Membru
6.	Development of systems with improved solubility for new complexes of ruthenium (III) with quinolone antibiotics and testing their anticancer activity (Cooperare bilaterala Romania-Turcia)	541/2012-2013	Membru
7.	Întărirea învățământului superior orientat spre competențe	POSDRU/86/1.2/S/60281 (2011-2013)	Membru
8.	Valorisation chimique des agro-resurces. Caracterisation et isolement de molecules bio-actives dans des extracts de plantes	ECO-NET 18883PM (2008-2009)	Membru
9.	Construirea și caracterizarea unor senzori moleculari pe bază de derivați ai ciclobis(paraquat p-fenilen) pentru identificarea și detecția factorilor locali generatori de crize (substanțe periculoase și prioritar periculoase)	PN II 82-102/2008 (2008-2011)	Membru
10.	Autentificare arta sacră pentru creșterea viabilității comunitare	PNII 91-003(2007-2010)	Membru
11.	Noi preparate farmaceutice topice pe baza de complecși ai clorhexidinei cu ioni metalici de zinc, cupru și argint cu activitate antimicrobiană și antiparazitara	PNII 61-035/2007 (2007-2010)	Membru
12.	Sinteza, caracterizarea și testarea acțiunii biologice a unor noi combinații complexe ale ruteniului, alternativă potențială la terapia cu compuși ai platinei	PNII, 61-48/2007 (2007-2010)	Membru
13.	Sinteza, caracterizarea și evaluarea potențialului terapeutic al unor noi combinații complexe ale oxovanadiului(IV) cu liganzi naturali	PNII, 61-42/2007 (2007-2010)	Membru
14.	Synthèse et analyse de molécules hétérocycliques pour traiter le cancer et les maladies du système nerveux central	„BRANCUSI” 14944RB (2007-2008)	Membru
15.	Combinatii complexe ale unor biocationi functionalizate cu liganzi polimerizabili – specii cu spectru larg de activitate antimicrobiană	Academia Română 55/2007, 52/2008	Membru
16.	Constituirea unei rețele integrate pentru studiul biofilmelor microbiene pe substraturi celulare și proteice, în scopul îmbunătățirii diagnosticului și tratamentului infecțiilor cauzate de biofilme	CeEx VIASAN 142/2006 (2006-2008)	Membru
17.	Efecte statice și dinamice de dezordine, dimensiune și dimensionalitate redusă în medii cristaline	CeEx 05-D11-7/2005 (2005-2007)	Membru
18.	Polimeri funcționalizați pentru tratarea semnalului optic	CERES 4-180/2004 (2004-2006)	Membru
19.	Specii bioactive procesate ca inhibitori ai agenților infecțioși	CERES 4-128 /2004 (2004-2006)	Membru
20.	Nanospecii complexe, biomateriale cu acțiune antiinfecțioasă	MATNANTECH 204(403)/2004	Membru

		(2004-2006)	
21.	Elaborarea unor metode originale de cercetare a deficiențelor de nutriție a plantelor care au impact negativ asupra producției și calității produselor vegetale	CNCSIS 2004	Membru
22.	Sinteza dirijată de combinații complexe care fixează superoxidul ca posibile medicamente antiinflamatorii	CNCSIS 2004	Director
23.	Arhitecturi polimerice de tip metal complex pentru materiale avansate multifuncționale	MATNANTECH 2002-2003	Membru
24.	Strategii neconvenționale de sinteză a unor ferite și tioferite în scopul obținerii de nanoparticule	MEC 2001-2002	Membru
25.	Sinteza, caracterizarea fizico-chimică și testarea ca antiinflamatori a unor analogi ai diclofenacului	CNCSU 1998	Membru
26.	Sinteza și caracterizarea fizico-chimică a unor noi combinații complexe ale Ni(II) și Cu(II) cu liganzi obținuți prin reacții de condensare template - testări pentru activitate anti-HIV	MCT 1998	Membru
27.	Sinteza și caracterizarea fizico-chimică și biologică a unor combinații heteropolinucleare	MCT 1997	Membru
28.	Obținerea și caracterizarea unor noi combinații complexe cu liganzi organici ce conțin azot și sulf, cu potențială activitate biologică	MCT 1994 -1996	Membru
29.	Sinteza și studiul unor combinații moleculare și complexe a unor compuși carbo- și heterociclici cu acceptori organici și anorganici	Ministerul Învățământului 1993	Membru

Data,

București, 27.01.2025

Semnătura,

