

Fișa de îndeplinire a standardelor minime necesare și obligatorii pentru conferirea titlurilor didactice din învățământul superior și a gradelor profesionale de cercetare-dezvoltare

(anexa nr. 4 – COMISIA DE Chimie a CNADTCU la Ordinul din 20.12.2016 emis de Ministerul Educației Naționale și Cercetării Științifice)

Domeniul: Chimie*

Domeniul declarat: Chimie Anorganică - Coordinativă

Criterii generale

Categorie	N _{max}	FIC	FIC _D *	FIC _{AP}	FIC _{AC}	h index
Profesor/CS1/Abilitare	50	100	70	50	25	13
Maria-Gabriela Alexandru	39	119.80	115.90	101.28	52.78	14

N_{max} – primele maxim N lucrări, organizate în ordinea descrescătoare a factorilor de impact ai 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 publicații în domeniile de cercetare declarate;

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

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

25 articole: 15 articole Q1, 9 articole Q2 și 1 articol Q3 publicate în reviste încadrate în domeniul **CHEMISTRY, INORGANIC & NUCLEAR**

- 4 articole în *Inorganic Chemistry*; 11 articole în *Dalton Transactions* – Q1; 4 articole în *European Journal of Inorganic Chemistry*, 2 articole în *Magnetochemistry*, 2 articole în *POLYHEDRON* și 1 în *Journal of Solid State Chemistry* – Q2 și 1 articol în *Journal of Coordination Chemistry* – Q3 - **CHEMISTRY, INORGANIC & NUCLEAR**

11 articole: 4 articole Q1, 1 articol Q2 și 6 articole Q3, Q4 publicate în reviste încadrate în domeniul **CHEMISTRY, MULTIDISCIPLINARY**

- 1 articol (2 articole) în *RSC Advances, Chemistry-A European Journal* – Q1 (anul publicării) - **CHEMISTRY, MULTIDISCIPLINARY**
- 1 articol (2 articole) în *CrystEngComm, Crystal Growth&Design* – Q1 - **CHEMISTRY, MULTIDISCIPLINARY; CRYSTALLOGRAPHY**
- 1 articol în *New Journal of Chemistry* – Q2 și 6 articole în *Revue Roumaine de Chimie, Revista de Chimie, Central European Journal of Chemistry* – Q3, Q4 - **CHEMISTRY, MULTIDISCIPLINARY**

3 articole în *Sensors* (Q2) **CHEMISTRY-ANALYTICAL**, *Crystals* (Q2) **CRYSTALLOGRAPHY**, *Journal of Molecular Structure* (Q3) **CHEMISTRY-PHYSICAL**

Lista 39 articole din N_{max} permise si punctajele obtinute pentru indeplinirea standardelor si criteriilor minime pentru abilitare.

Nr.	Titlul articolului, Numele autorilor, Revista, An, volum, pagini	Domeniu WOS/ Subdomeniu	FI/anul	FIC	FIC _D	FIC _{AP}	FIC _{AC}
1	<i>New cyanido-bridged iron(II) spin crossover coordination polymers with an unusual ladder-like topology: an alternative to Hofmann clathrates</i> , Diana Visinescu, Sergii I. Shylin, Sergiu Shova, Ghenadie Novitchi, Delia-Laura Popescu, Maria-Gabriela Alexandru* , <i>Dalton Trans.</i> 2024 , 53, 9062-9071; WOS:001219744000001.	CHEMISTRY, INORGANIC & NUCLEAR	3.5/2023	3.5	3.5	3.5	3.5
2	<i>Deciphering the role of water and a zinc-doping process in a polyol-based approach for obtaining Zn/Co/Al-based spinels: toward "green" mesoporous inorganic pigments</i> , Maria-Gabriela Alexandru , Adelina-Carmen Ianculescu, Oana Carp, Daniela C. Culita, Silviu Preda, Cristian D. Ene, Bogdan Stefan Vasile, Vasile-Adrian Surdu, Adrian-Ionut Nicoara, Florentina Neatu, Ioana Pintilie, Diana Visinescu, <i>Dalton Trans.</i> 2023 , 52, 10386-10401; WOS:001023112500001.	CHEMISTRY, INORGANIC & NUCLEAR	3.5/2023	3.5	3.5	3.5	-
3	<i>A Chain of Vertex-Sharing {Co^{III}₂Co^{II}₂}_n Squares with Single-Ion Magnet Behavior</i> , Maria-Gabriela Alexandru* , Diana Visinescu, Sergiu Shova, Joan Cano, Nicolás Moliner, Francesc Lloret, Miguel Julve, <i>Magnetochemistry</i> 2023 , 9, 130; WOS:001020191400001.	CHEMISTRY, INORGANIC & NUCLEAR	2.6/2023	2.6	2.6	2.6	2.6
4	<i>Cyanido-Bridged Heterobimetallic Molecular Squares: Low-Dimensional Models of Prussian Blue Analogues and Beyond</i> , Maria-Gabriela Alexandru , Diana Visinescu, Joan Cano, Francesc Lloret, Miguel Julve, <i>Crystal Growth&Des.</i> 2023 , 23, 1288-1308; WOS:000916974900001.	CHEMISTRY, MULTIDISCIPLINARY	3.2/2023	3.2	3.2	3.2	-

5	<i>New Cyanido-Bridged Complexes of Zn(II) and/or Ag(I) with TPymT and Tptz Ligands: Synthesis, Structural and Fluorescent Properties</i> , Diana Visinescu, Sergiu Shova, Delia-Laura Popescu, Maria-Gabriela Alexandru* , <i>Crystals</i> 2022 , 12, 1618; WOS:000895148400001.	MATERIALS SCIENCE/ CRYSTALLOGRAPHY	2.7/2022	2.7	2.7	2.7	2.7
6	<i>Redox active extended networks constructed from the three-fold symmetrical TPymT ligand [2,4,6-Tris(2-pyrimidyl)-1,3,5-triazine] and silver(I) ions</i> , Cecilia Lete, Diana Visinescu, Sergiu Shova, Catalin Maxim, Maria-Gabriela Alexandru* , <i>J. Solid State Chem.</i> 2022 , 313, 123292; WOS:000813349000007.	CHEMISTRY, INORGANIC & NUCLEAR	3.3/2022	3.3	3.3	3.3	3.3
7	<i>Copper(II) Oxide Nanoparticles Embedded within a PEDOT Matrix for Hydrogen Peroxide Electrochemical Sensing</i> , Cecilia Lete, Adela-Maria Spinciu, Maria-Gabriela Alexandru , Jose Calderon Moreno, Sorina-Alexandra Leau, Mariana Marin, Diana Visinescu, <i>Sensors</i> 2022 , 22, 8252; WOS:000882253200001.	CHEMISTRY, ANALYTICAL	3.9/2022	3.9	-	-	-
8	<i>Trinuclear cyanido-bridged $M^{II}-W^{VI}$ complexes ($M = Mn, Co$): Crystal structures and magnetic properties</i> , Diana Dragancea, Ghenadie Novitchi, Augustin M. Madalan, Maria-Gabriela Alexandru , Sergiu Shova, Marius Andruh, <i>Polyhedron</i> 2022 , 220, 115839; WOS:000822550000008.	CHEMISTRY, INORGANIC & NUCLEAR	2.6/2022	2.6	2.6	-	-
9	<i>Field-induced single ion magnet behaviour of discrete and one-dimensional complexes containing [bis(1-methylimidazol-2-yl)ketone]-cobalt(II) building units</i> , Juan-Ramón Jiménez, Buqing Xu, Hasnaa El Said, Yanling Li, Jurgen von Bardeleben, Lise-Marie Chamoreau, Rodrigue Lescouëzec, Sergiu Shova, Diana Visinescu, Maria-Gabriela Alexandru* , Joan Cano, Miguel Julve, <i>Dalton Trans.</i> 2021 , 50, 16353-16363; WOS:000714383700001.	CHEMISTRY, INORGANIC & NUCLEAR	4.569/ 2021	4.569	4.569	4.569	4.569

10	<i>A rare isostructural series of 3d-4f cyanido-bridged heterometallic squares obtained by assembling $[Fe^{III}\{HB(pz)_3\}(CN)_3]^-$ and Ln(III) ions: synthesis, X-ray structure and cryomagnetic study</i> , Maria-Gabriela Alexandru , Diana Visinescu, Beatrice Cula, Sergiu Shova, Renato Rabelo, Nicolás Moliner, Francesc Lloret, Joan Cano, Miguel Julve, <i>Dalton Trans.</i> 2021 , 50, 14640-14652; WOS:000701195800001.	CHEMISTRY, INORGANIC & NUCLEAR	4.569/ 2021	4.569	4.569	4.569	-
11	<i>Cyanido-bridged $\{Fe^{III}Ln^{III}\}$ heterobimetallic chains assembled through the $[Fe^{III}\{HB(pz)_3\}(CN)_3]^-$ complex as metalloligand: synthesis, crystal structure and magnetic properties</i> , Diana Visinescu, Maria-Gabriela Alexandru* , Dan G. Dumitrescu, Sergiu Shova, Francesc Lloret, Miguel Julve, <i>CrystEngComm</i> 2021 , 23, 4615-4626; WOS:000656974900001.	CHEMISTRY, MULTIDISCIPLINARY	3.756/ 2021	3.756	3.756	3.756	3.756
12	<i>Slow relaxation of the magnetization in a $\{Co^{III}Mn^{III}\}$ heterometallic brick-wall network</i> , Maria-Gabriela Alexandru* , Diana Visinescu, Sergiu Shova, Sallah-Eddine Stiriba, Joan Cano, Francesc Lloret, Miguel Julve, <i>Polyhedron</i> 2021 , 200, 115118; WOS:000640385600007.	CHEMISTRY, INORGANIC & NUCLEAR	2.975/ 2021	2.975	2.975	2.975	2.975
13	<i>Heterometallic supramolecular architectures constructed from cyanido-based $[Co^{III}(AA)(CN)_4]^-$ building-blocks ($aa = 1,10$-phenantroline and 2,2'-bipyridine)</i> , Maria-Gabriela Alexandru* , Diana Visinescu, Nadia Marino, Giovanni De Munno, Francesc Lloret, Miguel Julve, Marius Andruh, <i>Rev. Roum. Chim.</i> 2021 , 66, 243-254; WOS:000697349100006.	CHEMISTRY, MULTIDISCIPLINARY	0.41/ 2021	0.410	0.410	0.410	0.410
14	<i>X-ray Structure and Magnetic Properties of Heterobimetallic Chains Based on the Use of an Octacyanidodicobalt(III) Complex as Metalloligand</i> , Maria-Gabriela Alexandru* , Diana Visinescu, Sergiu Shova, Abdeslem Bentama, Francesc Lloret, Joan Cano,	CHEMISTRY, INORGANIC & NUCLEAR	2.193/ 2022	2.193	2.193	2.193	2.193

	Miguel Julve, <i>Magnetochemistry</i> 2020 , 6, 66; WOS:000616028600022.						
15	<i>Structure and Magnetic Properties of an Original {Cu^{II}Mn^{II}W^{VI}} Heterotrimetallic Coordination Polymer</i> , Maria-Gabriela Alexandru , Diana Visinescu, Augustin M. Madalan, Rodolphe Clérac, Marius Andruh, <i>Eur. J. Inorg. Chem.</i> 2020 , 3111-3114; WOS:000546401000001.	CHEMISTRY, INORGANIC & NUCLEAR	2.524/ 2020	2.524	2.524	2.524	-
16	<i>In situ generation of Ph₃PO in cyanido-bridged heterometallic {Fe^{III}Ln^{III}}₂ molecular squares (Ln = Eu, Sm)</i> , Maria-Gabriela Alexandru , Diana Visinescu, Beatrice Braun-Cula, Sergiu Shova, Francesc Lloret, Miguel Julve, <i>Dalton Trans.</i> 2019 , 48, 7532-7536; WOS:000470709700007.	CHEMISTRY, INORGANIC & NUCLEAR	4.174/ 2019	4.174	4.174	4.174	-
17	<i>A novel octacyanido dicobalt(III) building block for the construction of heterometallic compounds</i> , Maria-Gabriela Alexandru* , Nadia Marino, Diana Visinescu, Giovanni De Munno, Marius Andruh, Abdeslem Bentama, Francesc Lloret, Miguel Julve, <i>New J. Chem.</i> 2019 , 43, 6675-6682; WOS:000468631600027.	CHEMISTRY, MULTIDISCIPLINARY	3.288/ 2019	3.288	3.288	3.288	3.288
18	<i>Design of 3d-4f molecular squares through the [Fe{HB(pz)₃}(CN)₃}]⁻ metalloligand</i> , Maria-Gabriela Alexandru , Diana Visinescu, Sergiu Shova, Willian X. C. Oliveira, Francesc Lloret, Miguel Julve, <i>Dalton Trans.</i> 2018 , 47, 6005-6017; WOS:000431816000016.	CHEMISTRY, INORGANIC & NUCLEAR	4.052/ 2018	4.052	4.052	4.052	-
19	<i>Synthesis, Crystal Structure and Magnetic Properties of Three {Cr^{III}Mn^{II}} Heterodimetallic Complexes Based on Heteroleptic Cyanido-Bearing Cr^{III} Building Blocks</i> , Maria-Gabriela Alexandru* , Diana Visinescu, Beatrice Braun-Cula, Francesc Lloret, Miguel Julve, <i>Eur. J. Inorg. Chem.</i> 2018 , 349-359; WOS:000428530600016.	CHEMISTRY, INORGANIC & NUCLEAR	2.578/ 2018	2.578	2.578	2.578	2.578

20	<i>Magnetism in Heterobimetallic and Heterotrimetallic Chains Based on the Use of $[W^V(bipy)(CN)_6]^-$ as a Metalloligand</i> , Maria-Gabriela Alexandru , Diana Visinescu, Marius Andruh, Francesc Lloret, Miguel Julve, <i>Eur. J. Inorg. Chem.</i> 2018 , 360-369; WOS:000428530600017.	CHEMISTRY, INORGANIC & NUCLEAR	2.578/ 2018	2.578	2.578	2.578	-
21	<i>Three different types of bridging ligands in a $3d-3d'-3d''$ heterotrimetallic chain</i> , Maria-Gabriela Alexandru , Diana Visinescu, Sergiu Shova, Marius Andruh, Francesc Lloret, Joan Cano, Miguel Julve, <i>Dalton Trans.</i> 2018 , 47, 1010-1013; WOS:000423465200003.	CHEMISTRY, INORGANIC & NUCLEAR	4.052/ 2018	4.052	4.052	4.052	-
22	<i>Cyanido-Bridged $\{Ln(III)W(V)\}$ Heterobinuclear Complexes: Synthesis and Magneto-Structural Study</i> , Maria-Gabriela Alexandru , Diana Visinescu, Sergiu Shova, Francesc Lloret, Miguel Julve, <i>Inorg. Chem.</i> 2017 , 56, 12594-12605; WOS:000413279300058.	CHEMISTRY, INORGANIC & NUCLEAR	4.7/2017	4.700	4.700	4.700	-
23	<i>Synthesis, Crystal Structures, and Magnetic Properties of Two Novel Cyanido-Bridged Heterotrimetallic $\{Cu^{II}Mn^{II}Cr^{III}\}$ Complexes</i> , Maria-Gabriela Alexandru* , Diana Visinescu, Sergiu Shova, Marius Andruh, Francesc Lloret, Miguel Julve, <i>Inorg. Chem.</i> 2017 , 56, 2258-2269; WOS:000394736600054.	CHEMISTRY, INORGANIC & NUCLEAR	4.7/2017	4.700	4.700	4.700	4.700
24	<i>Synthesis, crystal structure and magnetic properties of a cyanide-bridged heterometallic $\{Co^{II}Mn^{III}\}$ chain</i> , Maria-Gabriela Alexandru* , Diana Visinescu, Sergiu Shova, Francesc Lloret, Miguel Julve, <i>Dalton Trans.</i> 2017 , 46, 39-43; WOS:000391570700005.	CHEMISTRY, INORGANIC & NUCLEAR	4.099/ 2017	4.099	4.099	4.099	4.099
25	<i>Crystal structure and thermal analysis of an oxalato-based Co(III) complex</i> , Maria-Gabriela Alexandru* , Diana Visinescu, Carmen Paraschiv, Catalin Maxim, Marius Andruh, <i>Rev. Roum. Chim.</i> 2016 , 61, 511-516; WOS:000390618200004.	CHEMISTRY, MULTIDISCIPLINARY	0.246/ 2016	0.246	0.246	0.246	0.246

26	<i>A new family of $[Cu^{II}Ln^{III}M^V]$ heterotrimetallic complexes ($Ln = La, Gd, Tb$; $M = Mo, W$): model systems to probe exchange interactions and single-molecule magnet properties,</i> Diana Visinescu, Maria-Gabriela Alexandru , Augustin M. Madalan, Ie-Rang Jeon, Corine Mathonière, Rodolphe Clérac, Marius Andruh, <i>Dalton Trans.</i> 2016 , 45, 7642-7649; WOS:000375689300013.	CHEMISTRY, INORGANIC & NUCLEAR	4.029/ 2016	4.029	4.029	-	-
27	<i>Heterotrimetallic Coordination Polymers: $\{Cu^{II}Ln^{III}Fe^{III}\}$ Chains and $\{Ni^{II}Ln^{III}Fe^{III}\}$ Layers: Synthesis, Crystal Structures, and Magnetic Properties,</i> Maria-Gabriela Alexandru , Diana Visinescu, Marius Andruh, Nadia Marino, Donatella Armentano, Joan Cano, Francesc Lloret, Miguel Julve, <i>Chem. Eur. J.</i> 2015 , 21, 5429-5446; WOS:000352504500023.	CHEMISTRY, MULTIDISCIPLINARY	5.771/ 2015	5.771	5.771	5.771	-
28	<i>$\{Co^{III}Mn^{III}\}_n$ corrugated chains based on heteroleptic cyanido metalloligands,</i> Maria-Gabriela Alexandru* , Diana Visinescu, Nadia Marino, Giovanni de Munno, Francesc Lloret, Miguel Julve, <i>RSC Adv.</i> 2015 , 5, 95410-95420; WOS:000364907300003.	CHEMISTRY, MULTIDISCIPLINARY	3.289/ 2015	3.289	3.289	3.289	3.289
29	<i>Magneto-structural variety of new 3d-4f-4(5)d heterotrimetallic complexes,</i> Diana Visinescu, Maria-Gabriela Alexandru , Augustin M. Madalan, Céline Pichon, Carine Duhayon, Jean-Pascal Sutter, Marius Andruh, <i>Dalton Trans.</i> 2015 , 44, 16713-16727; WOS:000361671000011.	CHEMISTRY, INORGANIC & NUCLEAR	4.177/ 2015	4.177	4.177	-	-
30	<i>Cyanido-Bearing Cobalt(II/III) Metalloligands – Synthesis, Crystal Structure, and Magnetic Properties,</i> Maria-Gabriela Alexandru* , Diana Visinescu, Nadia Marino, Giovanni De Munno, Julia Vallejo, Francesc Lloret, Miguel Julve, <i>Eur. J. Inorg. Chem.</i> 2014 , 4564-4572; WOS:000342910200014.	CHEMISTRY, INORGANIC & NUCLEAR	2.942/ 2014	2.942	2.942	2.942	2.942

31	<i>Two-Dimensional Coordination Polymers Constructed by $[Ni^{II}Ln^{III}]$ Nodes and $[W^{IV}(bpy)(CN)_6]^{2-}$ Spacers: A Network of $[Ni^{II}Dy^{III}]$ Single Molecule Magnets</i> , Maria-Gabriela Alexandru, Diana Visinescu, Sergiu Shova, Francesc Lloret, Miguel Julve, Marius Andruh, <i>Inorg. Chem.</i> 2013 , 52, 11627-11637; WOS:000326319800109.	CHEMISTRY, INORGANIC & NUCLEAR	4.794/ 2013	4.794	4.794	4.794	-
32	<i>Two complexes of Co(II) and Pd(II) formed in reaction with a mono-oxazoline derivative. Spectroscopic characterization and cytotoxic evaluation</i> , Maria-Gabriela Alexandru*, Tanja Cirkovic Velickovic, Maja Krstic, Madalina-Marina Hrubaru, Constantin Draghici, <i>J. Molec. Struct.</i> 2013 , 1041, 55-60; WOS:000319176700009.	CHEMISTRY, PHYSICAL	1.599/ 2013	1.599	1.599	1.599	1.599
33	<i>$[W(bipy)(CN)_6]^-$: A Suitable Metalloligand in the Design of Heterotrimetallic Complexes. The First $Cu^{II}Ln^{III}W^{IV}$ Trinuclear Complexes</i> , Maria-Gabriela Alexandru, Diana Visinescu, Augustin M. Madalan, Francesc Lloret, Miguel Julve, Marius Andruh, <i>Inorg. Chem.</i> 2012 , 51, 4906-4908; WOS:000303952900008.	CHEMISTRY, INORGANIC & NUCLEAR	4.593/ 2012	4.593	4.593	4.593	-
34	<i>Self-assembly of $[Cu^{II}Tb^{III}]^{3+}$ and $[W(CN)_8]^{3-}$ tectons: a case study of a mixture containing two complexes showing slow-relaxation of the magnetization</i> , Diana Visinescu, Ie-Rang Jeon, Augustin M. Madalan, Maria-Gabriela Alexandru, Bogdan Jurca, Corine Mathonière, Rodolphe Clérac, Marius Andruh, <i>Dalton Trans.</i> 2012 , 41, 13578-13581; WOS:000310153800006.	CHEMISTRY, INORGANIC & NUCLEAR	3.806/ 2012	3.806	3.806	-	-
35	<i>Aggregation of two different coordination polymers by reacting zinc nitrate and cadmium chloride with N,N'-ethylenebisacetamide</i> , Maria-Gabriela Alexandru*, Ioana Jitaru, Augustin M. Madalan, Marius Andruh, <i>J. Coord. Chem.</i> 2011 , 64, 3333-3341; WOS:000299470600005.	CHEMISTRY, INORGANIC & NUCLEAR	1.547/ 2011	1.547	1.547	1.547	1.547

36	<i>Synthesis, characterization and antitumor activity of Cu(II), Co(II), Zn(II) and Mn(II) complex compounds with aminothiazole acetate derivative, Maria-Gabriela Alexandru*</i> , Tanja Cirkovic Velickovic, Ioana Jitaru, Sanja Grguric-Sipka, Constantin Draghici, <i>Cent. Eur. J. Chem.</i> 2010 , 8, 639-645; WOS:000277021300022.	CHEMISTRY, MULTIDISCIPLINARY	0.991/ 2010	0.991	0.991	0.991	0.991
37	<i>Synthesis, Characterization and Voltammetric Studies of Trinuclear Mixed Valence Iron oxo Complexes [Fe₂MO(OAc)₆(OH₂)₃], M(II) = Fe, Co, Cu, Maria-Gabriela Alexandru*</i> , Olivier Buriez, Ioana Jitaru, <i>Rev. Chim.</i> 2010 , 61, 462-466; WOS:000279572800007.	CHEMISTRY, MULTIDISCIPLINARY	0.693/ 2010	0.693	0.693	0.693	0.693
38	<i>Two new hydrogen bonded networks obtained in MCl₂·H₂O (M= Mn, Cu)- N,N'-ethylenebisacetamide system, Maria-Gabriela Alexandru*</i> , Ioana Jitaru, Polina Bourosh, Constantin Drăghici, Erwann Jeanneau, Victor Ch. Kravtsov, Yurii A. Simonov, <i>Rev. Roum. Chim.</i> 2009 , 54, 1119-1125; WOS:000276497500034.	CHEMISTRY, MULTIDISCIPLINARY	0.263/ 2009	0.263	0.263	0.263	0.263
39	<i>Studies on Thermal Decomposition of μ-oxo Trinuclear Mixed Valence Complexes, Maria-Gabriela Alexandru*</i> , Ioana, Jitaru, O. Oprea, Laura Alexandrescu, <i>Rev. Chim.</i> 2009 , 60, 592-595; WOS:000267571000012.	CHEMISTRY, MULTIDISCIPLINARY	0.552/ 2009	0.552	0.552	0.552	0.552
TOTAL				119.80	115.90	101.28	52.78

27.05.2025

Conf. Dr. Ing. Maria-Gabriela Alexandru