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Education

- University of Bucharest, Faculty of Chemistry, Ph.D. (2000 – 2004);
- “Fundeni” Clinical Institute, Bucharest – Resident Physician (2000 – 2004);
- University of Bucharest, Faculty of Chemistry, Inorganic Chemistry Department – B.Sc. Chemistry (1996 – 2000);
- „Carol Davila” Medicine and Pharmacy University, Bucharest, General Medicine Faculty – Medical-Doctor (1992 – 1998).

Research Activities

- 01.10.2013 – to date – associate professor at the *University of Bucharest, Faculty of Chemistry, Inorganic Chemistry Department*. Research topics: fluorescent materials for biomedical applications, metallo-supramolecular chemistry, crystal engineering.
- 01.03.2008 – 30.09.2013 – assistant professor at the *University of Bucharest, Faculty of Chemistry, Inorganic Chemistry Department*.
- 01.03.2006 – 29.02.2008 – postdoc research stage (*Marie Curie Intraeuropean Fellowship – contract 023627: “Self-Assembly of Bio-Nanochips”*), at the *Institut de Science et d'Ingénierie Supramoléculaires, Strasbourg - ISIS* in **Prof. Jean-Marie Lehn**'s group. Research topic: the design, synthesis and investigation of chemical and physical properties of [2×2] grid-type complexes bearing biological residues.
- 01.04.2005 – 28.02.2006 – postdoc research stage at the *Université d'Angers, Laboratoire Chimie, Ingénierie Moléculaire et Matériaux d'Angers (CIMMA)* in **Dr. Narcis Avarvari**'s group - Electrosynthesis of conductive materials containing chiral TTF derivatives as organic cation-radicals.
- 15.04. – 15.09.2001 (fellowship from *Alexander von Humboldt Foundation*) and 18.04. – 31.12.2002 – research stages at the *Institut für Anorganische Chemie der Universität Göttingen* in **Prof. Herbert W. Roesky**'s group. Research topic: Synthesis and characterization of heterospin systems, coordination compounds containing different types of spin carriers: organic radicals (2p) and different paramagnetic metal ions (3d, 4f).
- 01.11.1999 – 18.06.2004 – Ph.D. thesis (entitled “*Mononuclear copper(II) complexes – precursors for supramolecular polymetallic systems*”) at the *Inorganic Chemistry Laboratory, Faculty of Chemistry, University of Bucharest* under **Prof. Marius Andruh**'s coordination.

Publications: 138 papers (H-index: 34) and a short book chapter

- 6 invited talks, 4 poster presentations, 8 oral communications to international conferences;
- member of the Romanian Chemical Society;
- Coordinator of Exploratory Research Grant *PN-III-P4-ID-PCE-2016-0442* (financed by the Romanian National Research Council, 2017-2019);
- Coordinator of Young Research Team Grant *PN-II-RU-TE-2011-3-0252* (financed by the Romanian National Research Council, 2011-2014);

- Home mentor in a joint project Switzerland-Romania (Sciex-NMS project no. 13209);
- Beneficiary of *Marie Curie Intraeuropen Fellowship* – contract 023627 and *Marie Curie European Reintegration Grant* – contract 224845 (financed by the European Commission);
- Member in the research teams in over 20 research grants.

A w a r d s

- 2008 – *The Prize for Chemistry of the Romanian National Science and Art Foundation*;
- 2007 – „Gheorghe Spacu” *Prize of the Romanian Academy*;
- 1992 – *Bronze Medal – International Chemistry Olympiad - Pittsburgh, USA*;

Papers

1. “New Cd(II) and Zn(II) complexes with N,N'-bis(3,3-dimethyl-allyl)-dithiocarbamate as precursors for nanofibers”, M. M. Hrubaru, A. C. Ekennia, D. C. Onwudiwe, S. Shova, **A. M. Mădălan**, C. D. Badiceanu, E. Bartha, H. Louis, E.-M. Ungureanu, C. Draghici, *Polyhedron*, **2026**, 294, 118135.
2. “Three Complexes of Zn(II) with Nicotinamide. A Mono-, a Di-, and a Polynuclear Compound”, L. Pricop, **A. M. Mădălan**, I. C. Marinas, M. Ganciarov, A. Hanganu, *Crystals*, **2026**, 16, 110.
3. “{Zn^{II}}₂ and {Zn^{II}Au^I}Metal Complexes with Schiff Base Ligands as Potential Antitumor Agents Against Human Glioblastoma Multiforme Cells”, L. Dyakova, T. Zhivkova, A. Abudalleh, D. C. Culita, T. Mocanu, **A. M. Madalan**, A. Hanganu, G. Marinescu, E. Naydenov, R. Alexandrova, *Molecules*, **2026**, 31, 173.
4. “Synthesis of Benzimidazol-2-ones by Oxidative Cyclization Ring Closure of Amido-Urea Precursors”, M. Popescu, A. Hanganu, A. Paun, **A. M. Madalan**, C. C. Anghel, C. Dobrota, M. Matache, C. C. Popescu, *J. Org. Chem.*, **2025**, 90, 15555-15566.
5. “Synthesis and Investigation of Novel Nickel-based Metal Organic Frameworks”, D. M. Gheorghe, A. G. Mirea, I. M. Chirică, **A. M. Mădălan**, C. C. Popescu, M. Matache, D. M. Ciuparu, M. Florea, *Synthesis-Stuttgart*, **2025**, 57, 3660-3668.
6. “Light-Responsive Oxadiazole-Based (Hetero)aryl-azobenzenes”, B. C. Enache, A. F. Simene, A. Hanganu, C. Tablet, **A. M. Mădălan**, C. C. Popescu, M. Matache, *Synthesis-Stuttgart*, **2025**, 57, 3587-3598.
7. “Dimer of the DPPH Stable Radical”, A. F. Dobre, C. Lete, V. E. Kuncser, N. Iacob, **A. M. Madalan**, G. Ionita, M. Harada, Y. Kitagawa, P. Ionita, *ACS Omega*, **2025**, 10, 36662–36671.
8. “Mono- and Polynuclear Hg(II) Complexes with Mixed Ligands: Nicotinamide and Oxalate, Nitrate, or Sulphate”, L. Pricop, A. Hanganu, M. Ganciarov, **A. M. Mădălan**, *Crystals*, **2025**, 15, 835.
9. “Self-Assembly of Azulene-Based Imine Cages: Synthesis and Supramolecular Organization”, A. E. Ion, C. Maxim, A. Hanganu, A. Dogaru, **A. M. Madalan**, A. S. Novikov, S. Shova, M. Andruh, S. Nica, *Cryst. Growth Des.*, **2025**, 25, 1743–1756.
10. “Complexes of Cd(II) with Nicotinamide, Nitrate, and Oxalate as Mixed Ligands: Synthesis, Characterization, and Biological Activity”, L. Pricop, I. C. Marincas, A. Hanganu, M. Ganciarov, **A. M. Mădălan**, M. O. Miclăuș, *Crystals*, **2025**, 15, 140.
11. “Synthesis, Physicochemical Properties, and Ion Recognition Ability of Azulene-Based Bis-(Thio)Semicarbazone”, A. Hanganu, C. Maxim, A. Dogaru, A. E. Ion, C. Bleotu, **A. M. Madalan**, D. Bala, S. Nica, *Molecules*, **2025**, 30, 83.
12. “The crystal structures of some bromo-derivatives of the DPPH stable free radical”, A. F. Dobre, **A. M. Madalan**, P. Ionita, *Molbank*, **2024**, 2024, M1880.
13. “Diazenium Betaines Derived from the Stable Free Radical DPPH with Diradicaloid Behavior”, A. F. Dobre, **A. M. Madalan**, A. Hanganu, P. Ionita, *Chemistry*, **2024**, 6, 899–910.
14. “Synthesis of novel p-aminophenyl derivates of DPPH free radical”, A. F. Dobre, **A. M. Madalan**, V. Tecuceanu, A. Hanganu, P. Ionita, *Rev. Roum. Chim.*, **2024**, 69(1–2), 57–61.
15. “A Synthetic Approach for Oxadiazole-Decorated Azobenzene Photoswitches”, A. F. Dobre, A. Hanganu, I. Nicolau, C. C. Popescu, A. Paun, **A. M. Mădălan**, C. Tablet, A. G. Mirea, M. Matache, *ChemPlusChem*, **2023**, e202300504.
16. “Synthesis, Crystal Structure, and Optical Properties of Mononuclear Eu(III) and Tb(III) Complexes Containing a Chalcone Ligand”, V. L. Virgil, A. Hanganu, **A. M. Mădălan**, *Crystals*, **2023**, 13, 1406.
17. “Homo- and heterometallic complexes of Zn(II), {Zn(II)Au(I)}, and {Zn(II)Ag(I)} with pentadentate Schiff base ligands as promising anticancer agents”, T. Zhivkova, D. C. Culita, A. Abudalleh, L. Dyakova, T. Mocanu, **A. M. Madalan**, M. Georgieva, G. Miloshev, A. Hanganu, G. Marinescu, R. Alexandrova, *Dalton Trans.*, **2023**, 52, 12282-12295.

18. "Novel Derivatives of Nitrobenzofurazan with Chromogenic and Fluorogenic Properties", A. Bujor, A. Hanganu, R. Baratoiu, E. N. Hristea, M. Tudose, V. Tecuceanu, **A. M. Madalan**, P. Ionita, *Molecules*, **2023**, 28, 6146.
19. "Luminescent La^{3+} , Eu^{3+} and Tb^{3+} mononuclear complexes with a Schiff base tripodal ligand derived from 9-anthracenecarboxaldehyde", A. D. Popa, M. Răducă, **A. M. Mădălan**, *Polyhedron*, **2023**, 239, 116441.
20. "Biological Evaluation and Structural Analysis of Some Aminodiphenylamine Derivatives", A. Bujor, A. Hanganu, V. Tecuceanu, **A. M. Madalan**, M. Tudose, L. Marutescu, M. Popa, C. M. Chifiriuc, I. Zarafu, P. Ionita, *Antioxidants*, **2023**, 12, 713.
21. "Shifting emission of oxadiazoles via inter- or intramolecular hydrogen bonding", C. C. Anghel, A. G. Mirea, C. C. Popescu, **A. M. Mădălan**, A. Hanganu, A. Bende, N. D. Hădăde, M. Matache, M. Andruh, *Dyes Pigm.*, **2023**, 210, 111023.
22. "Zwitterion or diradicaloid? The case of diazenium betaines derived from DPPH", A. F. Dobre, **A. M. Madalan**, S. Ionescu, A. Hanganu, C. Lete, C. C. Popescu, A. Paun, M. Matache, P. Ionita, *J. Mol. Struct.*, **2023**, 1275, 134703.
23. "Synthesis, Crystal Structure, and Optical Properties of a Trinuclear Zinc(II) Complex with Rhodamine B", M. Răducă, S. Ionescu, **A. M. Mădălan**, *Crystals*, **2022**, 12, 1813.
24. "Exploring Arylazo-3,5-Bis(trifluoromethyl)pyrazole Switches", B. C. Enache, A. Hanganu, C. Tablet, C. C. Anghel, C. C. Popescu, A. Paun, N. D. Hădăde, **A. M. Mădălan**, M. Matache, *ACS Omega*, **2022**, 7, 39122–39135.
25. "A new seven-coordinated complex of Zn(II) with nicotinamide and acetate as mixed ligand: synthesis and characterization", L. Pricop, **A. M. Mădălan**, A. Hanganu, *Rev. Roum. Chim.*, **2022**, 67(6-7), 365-371.
26. "A New Nitronyl-Nitroxide Ligand for Designing Binuclear Ln^{III} Complexes: Syntheses, Crystal Structures, Magnetic and EPR Studies", M. Răducă, D. O. T. A. Martins, C. A. Spinu, M. Hillebrand, F. Tuna, G. Ionita, **A. M. Mădălan**, C. Lecourt, J.-P. Sutter, M. Andruh, *Eur. J. Inorg. Chem.*, **2022**, e202200128.
27. "Silver(I) complexes with a luminescent tripodal Schiff base ligand derived from fluorene-2-carboxaldehyde", A. D. Popa, **A. M. Mădălan**, *Polyhedron*, **2022**, 220, 115849.
28. "Trinuclear cyanido-bridged $\text{M}^{\text{II}}\text{-W}^{\text{V}}$ complexes ($\text{M} = \text{Mn}, \text{Co}$): crystal structures and magnetic properties", D. Dragancea, G. Novitchi, **A. M. Madalan**, M.-G. Alexandru, S. Shova, M. Andruh, *Polyhedron*, **2022**, 220, 115839.
29. "Two are better than one - Synthesis of novel blue and green emissive hydroxy-oxadiazoles", C. C. Anghel, C. Bădescu, A. G. Mirea, A. Păun, N. D. Hădăde, **A. M. Mădălan**, M. Matache, C. C. Popescu, *Dyes Pigm.*, **2022**, 197, 109927.
30. "Atmospheric Carbon Dioxide Capture as Carbonate into a Luminescent Trinuclear Cd(II) Complex with Tris(2-aminoethyl)amine Tripodal Ligand", **A. M. Mădălan**, *Crystals*, **2021**, 11, 1480.
31. "Cocrystals versus Salts of Fluorescein", M. Răducă, **A. M. Mădălan**, *Crystals*, **2021**, 11, 1217.
32. "New Cyanido-Bridged Heterometallic 3d-4f 1D Coordination Polymers: Synthesis, Crystal Structures and Magnetic Properties", D. Dragancea, G. Novitchi, **A. M. Mădălan**, M. Andruh, *Magnetochemistry*, **2021**, 7, 57.
33. "Thermal and Emission Properties of a Series of Lanthanides Complexes with N-Biphenyl-Alkylated-4-Pyridone Ligands: Crystal Structure of a Terbium Complex with N-Benzyl-4-Pyridone", F. L. Chiriac, M. Iliș, **A. Madalan**, D. Manaila-Maximean, M. Secu, V. Cîrcu, *Molecules*, **2021**, 26, 2017.
34. "Zinc(II) mononuclear complexes with Schiff base derivatives of 2-aminofluorene. Synthesis, structural characterization, and optical properties", M. Strinoiu, M. Răducă, **A. M. Mădălan**, *J. Coord. Chem.*, **2020**, 73, 2786-2800.

35. "Structure and magnetic properties of an original $\{Cu^{II}Mn^{II}W^V\}$ heterotrimetallic coordination polymer", M.-G. Alexandru, D. Visinescu, A. M. Madalan, R. Clérac, M. Andruh, *Eur. J. Inorg. Chem.*, **2020**, 3111-3114.
36. "Mononuclear lanthanide(III) complexes with tripodal ligands as ammonium cation receptors", A. Costache, **A. M. Mădălan**, *Rev. Roum. Chim.*, **2020**, 65(7-8), 761-765.
37. "Synthesis, crystal structures and solid-state optical properties of two mannich derivatives of 2',7'-dichlorofluorescein", M. Răducă, **A. M. Mădălan**, *Rev. Roum. Chim.*, **2020**, 65(6), 617-622.
38. "Synthesis of Fluorescent Dansyl Derivatives of Methoxyamine and Diphenylhydrazine as Free Radical Precursors", B. Patrascu, S. Mocanu, A. Coman, **A. M. Madalan**, C. Popescu, A. Paun, M. Matache, P. Ionita, *Int. J. Mol. Sci.*, **2020**, 21, 3559; doi:10.3390/ijms21103559.
39. "Examination of structure-activity relationship of new N-acylhydrazones", A. G. Coman, A. Paun, C. C. Popescu, N. D. Hadade, A. Hanganu, **A. M. Mădălan**, M. Matache, *Rev. Roum. Chim.*, **2020**, 65, 109-114.
40. "Synthesis and structural analysis of some nitroderivatives of a dopamine analog", **A. M. Mădălan**, M. Matache, P. Ionita, *Rev. Roum. Chim.*, **2020**, 65, 103-108.
41. "Synthesis and spectral comparison of electronic and molecular properties of some hydrazines and hydrazyl free radicals", B. Patrascu, C. Lete, C. Popescu, M. Matache, A. Paun, **A. Madalan**, P. Ionita, *Arkivoc*, **2020**, part vi, 1-10, doi: 10.24820/ark.5550190.p011.119.
42. "Synthesis, structure and luminescent properties of a mononuclear zinc(II) complex with a bicompartamental ligand", M. Răducă, **A. M. Mădălan**, *Studia UBB Chemia*, **2019**, LXIV (3), 193-202.
43. "Heterometallic 3d-4d coordination polymers assembled from trans-[Ru^{III}(L)(CN)₂]⁻ tectons and 3d cations", G. Marinescu, **A. M. Madalan**, C. Maxim, S. Shova, R. Clérac, M. Andruh, *Dalton Trans.*, **2019**, 48, 15455-15464.
44. "Coordination polymers and a dinuclear complex constructed from zinc(II) ions and fluorescein: iodine adsorption and optical properties", M. Răducă, C.D. Ene, S. Ionescu, M. Florea, **A. M. Mădălan**, *J. Coord. Chem.*, **2019**, 72:8, 1222-1237.
45. "New mixed ligand complexes resulting from the reaction of β -diketonato derivatives with a Mannich base", M. I. Mocanu, A. A. Patrascu, **A. M. Madalan**, M. Andruh, *Rev. Roum. Chim.*, **2018**, 63(5-6), 545-549.
46. "Organic co-crystals of 1,3-bis(4-pyridyl)azulene with a series of hydrogen-bond donors", A. E. Ion, A. Dogaru, S. Shova, **A. M. Madalan**, O. Akintola, S. Ionescu, M. Voicescu, S. Nica, A. Buchholz, W. Plass, M. Anduh, *CrystEngComm*, **2018**, 20, 4463-4484.
47. "Synthesis and structural characterization of some novel methoxyamino derivatives with acid-base and redox behavior", M. Bem, R. Baratoiu, C. Radutiu, C. Lete, S. Mocanu, G. Ionita, S. Lupu, M. T. Caproiu, **A. M. Madalan**, B. Patrascu, I. Zarafu, P. Ionita, *J. Mol. Struc.*, **2018**, 1173, 291-299.
48. "Conformation-induced light emission switching of N-acylhydrazone systems", A. G. Coman, A. Paun, C. C. Popescu, N. D. Hădade, C. C. Anghel, **A. M. Mădălan**, P. Ioniță, M. Matache, *New J. Chem.*, **2018**, 42, 14111-14119.
49. "New complexes of Ni(II) and Co(III) with a Schiff-base ligand derived from o-vanillin. Crystal structure, magnetic and catalytic properties of a dissymmetric binuclear nickel(II) complex", V. A. Neacșu, C. Maxim, **A. M. Mădălan**, M. Hillebrand, M. C. González-Arellano, S. Soriano, E. Rentschler, M. Andruh, *Polyhedron*, **2018**, 150, 77-82.
50. "Supramolecular rectangles and ladders constructed from Ni(II), Cu(II) and Zn(II) mononuclear complexes with bicompartamental ligands and 4-aminopyridine as tectons", **A. M. Madalan**, C. D. Ene, *Inorg. Chim. Acta*, **2018**, 475, 184-192.
51. "Heterometallic Co^{II}-Co^{III}-M^{II} alkoxido-bridged heptanuclear motifs (M = Cu, Zn). Syntheses, crystal structures and magnetic properties", E. Martin, V. Tudor, **A. M. Madalan**, C. Maxim, F. Tuna, F. Lloret, M. Julve, M. Andruh, *Inorg. Chim. Acta*, **2018**, 475, 98-104.

52. "Chimeric design of heterospin 2p-3d, 2p-4f, and 2p-3d-4f complexes using a novel family of paramagnetic dissymmetric compartmental ligands", A. A. Patrascu, S. Calancea, M. Briganti, S. Soriano, **A. M. Madalan**, R. A. Allão Cassaro, A. Caneschi, F. Totti, M. G. F. Vaz, Marius Andruh, *Chem. Commun.*, **2017**, 53, 6504-6507.
53. "A comparison between nitroxide and hydrazyl free radicals in selective alcohols oxidation", A. J. Shakir, **A. M. Madalan**, G. Ionita, S. Lupu, C. Lete, P. Ionita, *Chem. Phys.*, **2017**, 490, 7-11.
54. "A novel 1-D coordination polymer constructed from disilver-1,3,4-oxadiazole nodes and perchlorato bridges", C. Anghel, M. Matache, C. C. Paraschivescu, **A. M. Madalan**, M. Andruh, *Inorg. Chem. Comm.*, **2017**, 76, 22-25.
55. "Synthesis, Crystal Structures, Magnetic Properties, and Theoretical Investigation of a New Series of Ni^{II} - Ln^{III} - W^V Heterotrimetallics: Understanding the SMM Behavior of Mixed Polynuclear Complexes", V. Vieru, T. D. Pasatoiu, L. Ungur, E. Suturina, **A. M. Madalan**, C. Duhayon, J.-P. Sutter, M. Andruh, L. F. Chibotaru, *Inorg. Chem.*, **2016**, 55, 12158-12171.
56. "Slow relaxation of magnetization in an Isostructural series of Zinc-lanthanide complexes: an integrated EPR and AC susceptibility study", A. Amjad, **A. M. Madalan**, M. Andruh, A. Caneschi, L. Sorace, *Chem. Eur. J.*, **2016**, 22, 12849-12858.
57. "Synthesis and properties of fluorescent 4'-azulenyl-functionalized 2,2':6',2"-terpyridines", A. E. Ion, L. Cristian, M. Voicescu, M. Bangesh, **A. M. Madalan**, D. Bala, C. Mihailciuc, S. Nica, *Beilstein J. Org. Chem.*, **2016**, 12, 1812-1825.
58. "One-dimensional coordination polymers, constructed from binuclear 3d-4f nodes and isonicotinato spacers. Synthesis, crystal structures and magnetic properties", A. Patrascu, S. Calancea, R. A. A. Cassaro, S. Soriano, **A. M. Madalan**, C. Maxim, M. A. Novak, M. G. F. Vaz, M. Andruh, *CrystEngComm*, **2016**, 18, 4779-4786.
59. "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", D. Visinescu, M. G. Alexandru, **A. M. Madalan**, I.-R. Jeon, C. Mathonière, R. Clérac, M. Andruh, *Dalton Trans.*, **2016**, 45, 7642-7649.
60. "Synthesis of novel TEMPO stable free (poly)radicals derivatives and their host-guest interaction with cucurbit[6]uril", G. Ionita, **A. M. Madalan**, A. M. Ariciu, A. Medvedovici, P. Ionita, *New J. Chem.*, **2016**, 40, 503-511.
61. "Magneto-Structural Variety of New 3d-4f-4(5)d Heterotrimetallic Complexes", D. Visinescu, M. G. Alexandru, **A. M. Madalan**, C. Pichon, C. Duhayon, J.-P. Sutter, M. Andruh, *Dalton Trans.*, **2015**, 44, 16713-16727.
62. "Interplay of hydrogen bond and stacking interactions in the crystal structure of a new mononuclear zinc complex", A. Cucos, C. Paraschiv, S. Shova, **A. Madalan**, V. Sbarcea, G. Marinescu, M. Andruh, *Rev. Roum. Chim.*, **2015**, 60, 1005-1013.
63. "Atmospheric CO₂ capture by a triphenyltin -1,2-bis(4-pyridyl)ethane system with formation of a rare trinuclear carbonato-centered core", A. L. Ghionoiu, D. L. Popescu, C. Maxim, **A. M. Madalan**, I. Haiduc, M. Andruh, *Inorg. Chem. Comm.*, **2015**, 58, 71-73.
64. "Two-Dimensional Coordination Polymers Constructed Using, Simultaneously, Linear and Angular Spacers, and Cobalt(II) Nodes. New Examples of Networks of Single Ion Magnets", A. E. Ion, S. Nica, **A. M. Madalan**, S. Shova, J. Vallejo, M. Julve, F. Lloret, M. Andruh, *Inorg. Chem.*, **2015**, 54, 16-18.
65. "New Zn(II) coordination polymers constructed from amino-alcohols and aromatic dicarboxylic acids: synthesis, structure, photocatalytic properties and solid-state conversion to ZnO", C. Paraschiv, A. Cucos, S. Shova, **A. M. Madalan**, C. Maxim, D. Visinescu, B. Cojocaru, V. I. Parvulescu, M. Andruh, *Cryst. Growth Des.*, **2015**, 15, 799-811.
66. "New heterometallic coordination polymers based on zinc(II) complexes with Schiff-base ligands and dicyanometallates. Synthesis, crystal structures and luminescent properties", G. Marinescu, **A. M. Madalan**, M. Andruh, *J. Coord. Chem.*, **2015**, 68, 479-490.

67. "Polynuclear zinc(II) complexes with adamantane-dicarboxylato-bridges. Crystal structure and luminescence properties", G. Marinescu, **A. M. Madalan**, M. Andruh, *Rev. Roum. Chim.*, **2014**, 59, 941-948.
68. "Octanuclear $[\text{Ni}^{\text{II}}_4\text{Ln}^{\text{III}}_4]$ complexes. Synthesis, crystal structures and magnetocaloric properties", T. D. Pasatoiu, A. Ghirri, **A. M. Madalan**, M. Affronte, M. Andruh, *Dalton Trans.*, **2014**, 43, 9136-9142.
69. "Ferromagnetic Coupling in Copper(II) $[2 \times 2]$ Grid-like Complexes", **A. M. Madalan**, X.-Y. Cao, G. Rogez, J.-M. Lehn, *Inorg. Chem.*, **2014**, 53, 4275-4277.
70. "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", A. E. Ion, S. Nica, **A. M. Madalan**, C. Maxim, M. Julve, F. Lloret, M. Andruh, *CrystEngComm*, **2014**, 16, 319-327.
71. "Charge-sensitive vibrational modes in the (EDT-TTF-OX) $_2\text{AsF}_6$ chiral molecular conductors", I. Olejniczak, A. Frackowiak, J. Matysiak, **A. Madalan**, F. Pop, N. Avarvari, *Cent. Eur. J. Phys.*, **2014**, 12, 215-220.
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73. "A new exo-tridentate tris-pyridine ligand derived from 3-oxa-1,5-diazabicyclo[3.3.1]nonane and its dinuclear Cu(II) complex. Synthesis and crystal structures.", **A. M. Madalan**, *Rev. Roum. Chim.*, **2013**, 58, 829-833.
74. "Synthesis and crystal structures of a tripodal ligand derived from 4,4'-dihydroxybiphenyl and its gadolinium(III) mononuclear complex", E. Vulpe, **A. M. Madalan**, *Rev. Roum. Chim.*, **2013**, 58, 823-828.
75. "Supramolecular homometallic Cr(III) systems resulting from second coordination sphere interactions", V. Iucha, R. Gheorghe, **A. M. Madalan**, M. Andruh, *Rev. Roum. Chim.*, **2013**, 58, 255-263.
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