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## Studii

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| ***Universitatea din București, Facultatea de Chimie, Catedra de Chimie Anorganică, Doctorat*** | Noiembrie 2000 – Iunie 2004 |
| *(Conducător științific:* ***Prof. Marius Andruh****)* | |
| ***Institutul Clinic Fundeni, București, Rezidențiat Specialitatea Medicină de Familie*** | Martie 2000 – Aprilie 2004 |
| Medic Rezident | |
| ***Universitatea din București, Facultatea de Chimie, Secția Chimie, Specialitatea Chimie Anorganică*** | 1996 – 2000 |
| Chimist | |
| ***UMF „Carol Davila", Facultatea de Medicină Generală*** | 1992 –1998 |
| Medic | |
| ***Liceul de matematică-fizică „N. Bălcescu" Craiova*** | 1988 – 1992 |

## Experiență Profesională

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|---|---|
| ***Universitatea din București, Facultatea de Chimie, Departamentul de Chimie Anorganică*** | |
| Conferențiar | Din Octombrie 2013 |
| Lector | Octombrie 2008 – Septembrie 2013 |
| Asistent | Octombrie 2004 – Septembrie 2008 |
| ***Institutul Clinic Fundeni, București*** | Martie 2000 – Aprilie 2004 |
| Medic Rezident Medicină de Familie | |
| ***Spitalul Clinic „I. Cantacuzino", București*** | Ianuarie 1999 – Februarie 2000 |
| Medic Stagiar | |

## Activitate de Cercetare

- *Domenii de interes actuale: materiale luminescente cu potențiale aplicații bio-medicale, inginerie cristalină, chimie metalo-supramoleculară.*
- *Stagiu de cercetare postdoctoral la* ***Institut de Science et d'Ingénierie Supramoléculaires, Laboratoire de Chimie Supramoléculaire, Strasbourg*** *(Marie Curie Intraeuropen Fellowship – contract 023627: "Self-Assembly of Bio-Nanochips"), Coordonator:* ***Prof. Jean-Marie Lehn****,* **Martie 2006 – Februarie 2008**.

- *Stagiu de cercetare postdoctoral la* ***Université d'Angers, Laboratoire de Chimie, Ingénierie Moléculaire et Matériaux d'Angers (CIMMA)****, Coordonator:* ***Dr. Narcis Avarvari****,* **Aprilie 2005 – Februarie 2006** (“*Electrosynthesis of conductive materials containing chiral TTF derivatives as organic cation-radicals”*).
- *Stagii de cercetare la* ***Institut für Anorganische Chemie der Universität Göttingen*** *în grupul condus de* ***Prof. Herbert W. Roesky,*** **Aprilie – Septembrie 2001** *(finanțat de Fundația Alexander von Humboldt în cadrul programului special “Stability Pact for South-Eastern Europe”),* **Mai – Decembrie 2002**.
- *Doctorat la* ***Universitatea din București, Facultatea de Chimie, Catedra de Chimie Anorganică***: “*Combinații complexe mononucleare ale Cu(II) - precursori pentru sisteme supramoleculare polimetalice”, Coordonator:* ***Prof. Marius Andruh****,* **Noiembrie 2000 – Iunie 2004**.

## Activitate Didactică

- *Chimie supramoleculară* – curs pentru anul al III-lea;
- *Anatomie și fiziologie* – curs pentru anul I, secțiile Chimie Medicală și Chimie Farmaceutică;
- *Chimie supramoleculară* – curs pentru master;
- *Compuși anorganici în chimioterapie* – curs pentru anul al III-lea;
- *Microelemente* – curs pentru anul al III-lea;
- *Biomolecule anorganice* – curs pentru master;
- *Procese de autoasamblare moleculară* – curs pentru master;
- *Stereochimia compușilor coordinativi* – curs pentru master;
- *Metode de sinteză dirijată / drug design* – curs pentru postdoctoranzi;

## Lucrări publicate

**124 articole** (indice Hirsch: 34) și un scurt capitol de carte.

## Postere și comunicări

*5 conferințe invitate, 6 prezentări orale și 4 prezentări de postere*

## Participări la proiecte şi granturi de cercetare:

- *“Materiale fluorescente bazate pe derivați de fluoresceină”*, **proiect PN-III-P4-ID-PCE-2016-0442 nr. 89/2017**, 2017-2019, Director de proiect: dr. **Augustin M. Mădălan**.
- *"Investigation of novel gadolinium(III) complexes of tripodal ligands with tunable pendant arms as magnetic resonance imaging contrast agents"* (Sciex-NMS project no. 13209, *home mentor*), proiect bilateral Elveția-România, Noiembrie 2014 - Octombrie 2015.
- *“Combinații complexe cu liganzi tripodali funcționalizați ca instrumente de recunoaștere moleculară”*, **proiect PN-II-RU-TE-2011-3-0252**, 2011-2014, Director de proiect: dr. **Augustin M. Mădălan**.
- *3d trinuclear complexes precursors for heterospin systems - an alternative way towards multifunctional molecular materials”* (***Marie Curie European Reintegration Grant*** *– contract 224845*), 2008-2011;
- *“Self-Assembly of Bio-Nanochips” (****Marie Curie Intraeuropen Fellowship*** *– contract 023627),* Coordonator: Prof. Jean-Marie Lehn, 2006-2008;
- Membru în echipele de cercetare la peste 20 de granturi.

## Premii și distincții

- *2008 – premiul Fundației Naționale pentru Știință și Artă pentru excelență în chimie;*
- *2007 – premiul „Gheorghe Spacu" al Academiei Române;*
- *1992 – medalie de bronz la Olimpiada Internațională de Chimie - Pittsburgh, USA;*

## Lucrări publicate

1. *"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.
2. *"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.
3. "*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.
4. "*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.
5. "*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.
6. *"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.
7. *"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. Hădade, M. Matache, M.Andruh, *Dyes Pigm.*, **2023**, *210*, 111023.
8. *"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.
9. *"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.
10. *"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. Hădade, **A. M. Mădălan**, M. Matache, *ACS Omega*, **2022**, *7*, 39122−39135.
11. *"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.
12. *"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.
13. *"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.
14. *"Trinuclear cyanido-bridged $M^{II}$-$W^{V}$ complexes (M = Mn, Co): crystal structures and magnetic properties"*, D. Dragancea, G. Novitchi, **A. M. Madalan**, M.-G. Alexandru, S.Shova M. Andruh, *Polyhedron*, **2022**, *220*, 115839.
15. *"Two are better than one - Synthesis of novel blue and green emissivehydroxy-oxadiazoles"*, C. C. Anghel, C. Bădescu, A. G. Mirea, A. Păun, N. D. Hădade, **A. M. Mădălan**, M. Matache, C. C. Popescu, *Dyes Pigm.*, **2022**, *197*, 109927.
16. *"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.
17. *"Cocrystals versus Salts of Fluorescein"*, M. Răducă, **A. M. Mădălan**, *Crystals*, **2021**, *11*, 1217.

18. *"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.
19. *"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.
20. *"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.
21. *"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.
22. *"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.
23. *"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.
24. *"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.
25. *"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.
26. *"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.
27. *"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.
28. *"Synthesis, structure and luminescent properties of a mononuclear zinc(II) complex with a bicompartmental ligand"*, M. Răducă, **A. M. Mădălan**, *Studia UBB Chemia*, **2019**, *LXIV (3)*, 193-202.
29. *"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.
30. *"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.
31. *"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.
32. *"Organic co-crystals of 1,3-bisIJ4-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.
33. *"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.
34. *"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.
35. *"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.

36. *"Supramolecular rectangles and ladders constructed from Ni(II), Cu(II) and Zn(II) mononuclear complexes with bicompartmental ligands and 4-aminopyridine as tectons"*, **A. M. Madalan**, C. D. Ene, *Inorg. Chim. Acta*, **2018**, *475*, 184-192.
37. *"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.
38. *"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.
39. *"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.
40. *"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.
41. *"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.
42. *"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.
43. *"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.
44. *"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.
45. *"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.
46. *"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.
47. *"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.
48. *"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.
49. *"Atmospheric $CO_2$ 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.
50. *"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.

51. *"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.
52. *"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.
53. *"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.
54. *"Octanuclear [$Ni^{II}_4Ln^{III}_4$] 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.
55. *"Ferromagnetic Coupling in Copper(II) [2×2] Grid-like Complexes"*, **A. M. Madalan**, X.-Y. Cao, G. Rogez, J.-M. Lehn, *Inorg. Chem.*, **2014**, *53*, 4275-4277.
56. *"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.
57. *"Charge-sensitive vibrational modes in the (EDT-TTF-OX)$_2$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.
58. *"Tuning the Planarity of [2x2] Grids",* A. R. Stefankiewicz, J. Harrowfield, **A. M. Madalan**, J.-M. Lehn, *CrystEngComm*, **2013**, *15*, 9128-9134.
59. *"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.
60. *"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.
61. *"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.
62. *"A new synthetic route towards binuclear 3d-4f complexes, using non-compartmental ligands derived from o-vanillin. Syntheses, crystal structures, magnetic and luminescent properties",* M. Sarwar, **A. M. Madalan**, C. Tiseanu, G. Novitchi, C. Maxim, G. Marinescu, D. Luneau, M. Andruh, *New J. Chem.*, **2013**, *37*, 2280-2292.
63. *"Mixed ligand binuclear alkoxo-bridged copper(II) complexes derived from aminoalcohols and nitrogen ligands"*, V. Tudor, T. Mocanu, F. Tuna, **A. M. Madalan**, C. Maxim, S. Shova, M. Andruh, *J. Mol. Struc.*, **2013**, *1046*, 164-170.
64. *"$C_3$-symmetric trinuclear copper (II) species as tectons in crystal engineering",* A. E. Ion, S. Nica, **A. M. Madalan**, F. Lloret, M. Julve, M. Andruh, *CrystEngComm*, **2013**, *15*, 294-301.
65. *"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",* D. Visinescu, I.-R. Jeon, **A. M. Madalan**, M.-G. Alexandru, B. Jurca, C. Mathonière, R. Clérac, M.Andruh, *Dalton Trans.*, **2012**, *41*, 13578-13581.
66. *"Self-ordering of metallogrid complexes via directed hydrogen-bonding",* A. R. Stefankiewicz, G. Rogez, J. Harrowfield, A.N. Sobolev, **A. Madalan**, J. Huuskonen, K. Rissanen, J.-M. Lehn, *Dalton Trans.*, **2012**, *41*, 13848-13855.

67. *"A Robust Metal-Organic Framework Constructed from Alkoxo-bridged Binuclear Nodes and Hexamethylenetetramine Spacers: Crystal Structure and Sorption Studies",* E. Ilyes, M. Florea, **A. M. Madalan**, I. Haiduc, V. I. Parvulescu, M. Andruh, *Inorg. Chem.*, **2012**, *51*, 7954-7956.
68. *"One- and two-photon induced emission in heterobimetallic $Zn^{II}$-$Sm^{III}$ and $Zn^{II}$-$Tb^{III}$ complexes with a side-off compartmental ligand"*, T. D. Pasatoiu, **A. M. Madalan**, M. Zamfirescu, C. Tiseanu, M. Andruh, *Phys. Chem. Chem. Phys.*, **2012**, *14*, 11448-11456.
69. *"Identification of [CuCl(acac)(tmed)], a copper(II) complex with mixed ligands, as a modulator of Cu,Zn-superoxide dismutase (Sod1p) activity in yeast"*, I. Dumitru, C. D. Ene, A. M. Ofiteru, C. Paraschivescu, **A. M. Madalan**, I. Baciu, I. C. Farcasanu, *J. Biol. Inorg. Chem.*, **2012**, *17*, 961-974.
70. *"$[W(bipy)(CN)_6]^-$: A Suitable Metalloligand in the Design of Heterotrimetallic Complexes. The First $Cu^{II}Ln^{III}W^{V}$ Trinuclear Complexes",* M. G. Alexandru, D. Visinescu, **A. M. Madalan**, F. Lloret, M. Julve, M. Andruh, *Inorg. Chem.*, **2012**, *51*, 4906-4908.
71. *"Dodecanuclear $[Cu^{II}_6Gd^{III}_6]$ Nanoclusters as Magnetic Refrigerants"*, A. S. Dinca, A. Ghirri, **A. M. Madalan**, M. Affronte, M. Andruh, *Inorg. Chem.*, **2012**, *51*, 3935-3937.
72. *"Cyano-bridged Heterometallic Oligonuclear Complexes and Coordination Polymers Constructed using Tridentate Schiff-Base Ligands. Synthesis, Crystal Structures, Magnetic and Luminescence Properties",* C. Maxim, F. Tuna, **A. M. Madalan**, N. Avarvari, M. Andruh, *Cryst. Growth Des.*, **2012**, *12*, 1654-1665.
73. *"Tetranuclear Zn(II) complexes with compartmental and dicyanamido ligands: Synthesis, structure and luminescent properties",* G. Marinescu, **A. M. Madalan**, S. Shova, M. Andruh, *J. Coord. Chem.*, **2012**, *65*, 1539-1547.
74. *"Pendent Nucleophiles on Coordination Complexes - Hydrogen-Bond Donor and Acceptor Ability",* J. K. Clegg, J. M. Harrowfield, M. Kim, Y. Kim, H. Kristopo, Y. H. Lee, **A. Madalan**, P. Thuéry, *Aust. J. Chem.*, **2012**, *65*, 734-749.
75. *"A dinuclear iron(III) complex bridged by the dianion of trimesic acid – $[\{Fe(3\text{-}MeOsaldmpn)(H_2O)\}_2$ $Htrim]\cdot H_2O$: Synthesis, crystal structures and magnetic properties"*, M. Sarwar, **A. M. Madalan**, C. Maxim, M. Andruh, *Rev. Roum. Chim*., **2012**, *57*, 687-691.
76. *"Crystal structures and magnetic properties of two new heterodinuclear $[Ni^{II}Ln^{III}]$ complexes obtained using a side-off compartmental ligand and 2,6-pirydin-dicarboxylato coligand"*, T. D. Pasatoiu, M. Etienne, **A. M. Madalan**, R. Sessoli, M. Andruh, *Rev. Roum. Chim.*, **2012**, *57*, 507-512.
77. *"Structural and metallo selectivity in the assembly of [2x2] grid-type metallosupramolecular species: Mechanisms and kinetic control",* A. R. Stefankiewicz, J. Harrowfield, **A. Madalan**, K. Rissanen, A.N. Sobolev, J.-M. Lehn, *Dalton Trans.*, **2011**, *40*, 12320-12332.
78. *"Aggregation of two different coordination polymers by reacting zinc nitrate and cadmium chloride with N,N'-ethylenebisacetamide",* M. G. Alexandru, I. Jitaru, **A. M. Madalan**, M. Andruh, *J. Coord. Chem.*, **2011**, *64*, 3333-3341.
79. *"Mononuclear Fe(III) and tetranuclear $[Fe(III)Gd(III)]_2$ complexes with a Schiff-base ligand derived from the o-vanillin: Synthesis, crystal structures and magnetic properties"*, M. Sarwar, **A. M. Madalan**, F. Lloret, M. Julve, M. Andruh, *Polyhedron*, **2011**, *30*, 2414-2420.
80. *"Study of the Luminescent and Magnetic Properties of a Series of Heterodinuclear $[Zn^{II}Ln^{III}]$ Complexes"*, T. D. Pasatoiu, C. Tiseanu, **A. M. Madalan**, B. Jurca, C. Duhayon, J.-P. Sutter, M. Andruh, *Inorg. Chem.*, **2011**, *50*, 5879-5889.
81. *"Preparation, crystal structures, and Magnetic Features for a Series of Dinuclear $Ni^{II}Ln^{III}$ Schiff-base Complexes: Evidence for Slow Relaxation of the Magnetization for the $Dy^{III}$ derivative"*, T. D. Pasatoiu, J.-P. Sutter, **A. M. Madalan**, F. Z. C. Fellah, C. Duhayon, M. Andruh, *Inorg. Chem.*, **2011**, *50*, 5890-5898.
82. *"Radical cation salts of BEDT-TTF, enantiopure tetramethyl-BEDT-TTF, and TTF-Oxazoline (TTF-Ox) donors with the homoleptic TRISPHAT anion"*, F. Riobé, F. Piron, C. Réthoré, **A. M. Madalan**, C. J. Gómez-García, J. Lacour, J. D. Wallis, N. Avarvari, *New J. Chem.*, **2011**, *35*, 2279-2286.

83. *"Co-crystallization of coordination compounds through second-coordination sphere interactions"*, A. Cucos, A. Ursu, **A. M. Madalan**, C. Duhayon, J.-P. Sutter, M. Andruh, *CrystEngComm*, **2011**, *13*, 3756-3766.
84. *"New $d^{10}$ heterometallic coordination polymers based on compartmental Schiff-base ligands. Synthesis, structure and luminescence."*, G. Marinescu, **A. M. Madalan**, C. Tiseanu, M. Andruh, *Polyhedron*, **2011**, *30*, 1070-1075.
85. *"A new cyanido-bridged $[\{Cu_2^{II}L\}_2(\mu\text{-}CN)_2Mo^{IV}(CN)_6]$ pentanuclear complex ($L^{2-}$ = bicompartmental macrocyclic ligand): Synthesis, spectral and structural characterization"*, D. Visinescu, J.-P. Sutter, C. Duhayon, **A. M. Madalan**, B. Jurca, M. Andruh, *J. Coord. Chem.*, **2011**, *64*, 93-104.
86. *"A new example of coexistance of two different complexes in one crystal: $[\{Cu^{II}(acac)(phen)\}_2Co^{II}(NCS)_4]\cdot 2[Cu^{II}(acac)(phen)(NCS)]$"*, T. D. Pasatoiu, **A. M. Madalan**, M. Andruh, *Rev. Roum. Chim.*, **2010**, *55*, 947-951.
87. *"The azidopentacyanoferrate(III) ion as a tecton in constructing heterometallic complexes: Synthesis, crystal structure and magnetic properties of $[Mn(valphen)(H_2O)_2]_2[(H_2O)(valphen)Mn(\mu\text{-}CN)Fe(CN)_4(N_3)]\cdot 8H_2O$"*, C. D. Ene, S. Nastase , C. Maxim, **A. M. Madalan**, F. Tuna, M. Andruh, *Inorg. Chim. Acta*, **2010**, *363*, 4247-4252.
88. *"New Heterometallic Coordination Polymers Constructed from 3d-3d' Binuclear Nodes"*, D. G. Branzea, **A. M. Madalan**, S. Ciattini, N. Avarvari, A. Caneschi, M. Andruh, *New J. Chem.*, **2010**, *34*, 2479-2490.
89. *"New molecular rectangles and coordination polymers constructed from binuclear phenoxo-bridged $[Cu_2]$ and $[Zn_2]$ tectons"*, G. Marinescu, G. Marin, **A. M. Madalan**, A. Vezeanu, C. Tiseanu, M. Andruh, *Cryst. Growth Des.*, **2010**, *10*, 2096-2103.
90. *"A missing high-spin molecule in the family of cyanido-bridged heptanuclear heterometal complexes, $[(LCu^{II})_6Fe^{III}(CN)_6]^{3+}$, and its $Co^{III}$ and $Cr^{III}$ analogues, accompanied in the crystal by a novel octameric water cluster."*, C. Maxim, L. Sorace, P. Khuntia, **A. M. Madalan**, V. Kravtsov, A. Lascialfari, A. Caneschi, Y. Journaux, M.Andruh, *Dalton Trans.*, **2010**, *39*, 4838-4847.
91. *"Dimers and chains of {3d-4f} single molecule magnets constructed from heterobimetallic tectons"*, T.D. Pasatoiu, M. Etienne, **A. M. Madalan**, M. Andruh, R. Sessoli, *Dalton Trans.*, **2010**, *39*, 4802-4808.
92. *"A chiral heterotrimetallic 3d-3d'-4f single chain magnet constructed from anisotropic high-spin 3d-4f nodes and paramagnetic spacers"*, R. Gheorghe, **A. M. Madalan**, J.-P. Costes, W. Wernsdorfer, M. Andruh, *Dalton Trans.*, **2010**, *39*, 4734-4736.
93. *"Red Fluorescent Emission of Europium Through Green Radiation Excitation of a Molecular Complex"*, T. D. Pasatoiu, C. Tiseanu, **A. M. Madalan**, M. Andruh, *Inorg. Chem.*, **2010**, *49*, 2310-2315.
94. *"A new mixed-valence hexanuclear cobalt complex, $[Co_4^{II}Co_2^{III}(dea)_2(Hdea)_4)(piv)_4](ClO_4)_2\cdot H_2O$. Synthesis, crystal structure and magnetic properties"*, V. Tudor, **A. Madalan,** V. Lupu, F. Lloret**,** M. Julve, M. Andruh, *Inorg. Chim. Acta*, **2010**, *363*, 823-826.
95. "*Order* versus *Disorder in Chiral Tetrathiafulvalene–Oxazolines Radical Cation Salts: Structural, Theoretical Investigations and Physical Properties"*, **A. M. Madalan**, C. Réthoré, M. Fourmigué, E. Canadell, E. B. Lopes, M. Almeida, P. Auban-Senzier, N. Avarvari, *Chem. Eur. J.*, **2010**, *16*, 528-537.
96. *"First Heterotrimetallic {3d-4d-4f} Single Chain Magnet, Constructed from Anisotropic High-spin Heterometallic Nodes and Paramagnetic Spacers",* D. Visinescu, **A. M. Madalan**, M. Andruh, C. Duhayon, J.-P. Sutter, L. Ungur, W. Van den Heuvel, L. F. Chibotaru, *Chem. Eur. J.*, **2009**, *15*, 11808-11814.
97. *"Crystal Engineering of Hybrid Inorganic-Organic Systems Based upon Complexes with Dissymmetric Compartmental Ligands"*, D. G. Branzea, R. Gheorghe, **A. M. Madalan**, M. Andruh, *CrystEngComm*, **2009**, *11*, 2571-2584.
98. *"A Michael-type reaction between acrylato ions and ethylenediamine coordinated to Ni(II). Synthesis, crystal structure and magnetic properties of $[Ni_2(EDDP)_2(H_2O)_2]\cdot 2H_2O$ ($H_2EDDP$ = ethylenediamine-*

*N,N-dipropionic acid*)", M. Badea, R. Olar, D. Marinescu, G. Vasile, B. Jurca, **A. M. Madalan**, M. Andruh, *Inorg. Chem. Comm.*, **2009**, *12*, 555-557.

99. *"Constructing Robust Channel Structures by Packing Metallacalixarenes: Reversible Single-Crystal-to-Single-Crystal Dehydration"*, C. Ene, **A. M. Madalan**, C. Maxim, B. Jurca, N. Avarvari, M. Andruh, *J. Am. Chem. Soc.*, **2009**, *131*, 4586-4587.

100. *"Heterospin Systems Constructed from $[Cu_2Ln]^{3+}$ and $[Ni(mnt)_2]^{1-,2-}$. Tectons: First 3p-3d-4f Complexes (mnt = Maleonitriledithiolato)",* **A. M. Madalan**, N. Avarvari, M. Fourmigué, R. Clérac, L. F. Chibotaru, S. Clima, M. Andruh, *Inorg. Chem.*, **2008**, *47*, 940-950.

101. *"Structural diversity in metal-organic frameworks derived from binuclear alkoxo-bridged copper(II) nodes and pyridyl linkers"*, G. Marin, M. Andruh, **A. M. Madalan**, A. J. Blake, C. Wilson, N. R. Champness, M.Schröder, *Cryst. Growth Des.*, **2008**, *8*, 964-975.

102. *"One-dimensional and two-dimensional coordination polymers constructed from copper(II) nodes and polycarboxylato spacers: synthesis, crystal structures and magnetic properties"*, C. D. Ene, F. Tuna, O. Fabelo, C. Ruiz-Pérez, **A. M. Madalan,** H. W. Roesky, M. Andruh, *Polyhedron*, **2008**, *27*, 574-582.

103. *"Conducting Mixed Valence Salt of Bis(ethylenedithio)-tetrathiafulvalene (BEDT-TTF) with the Paramagnetic Heteroleptic Anion $[Cr^{III}(oxalate)_2(2,2'\text{-bipyridine})$,* **A. M. Madalan**, E. Canadell, P. Auban-Senzier, D. Brânzea, M. Andruh, N. Avarvari, *New J. Chem.*, **2008**, *32*, 333-339.

104. *"First $Ni^{II}$-$Ln^{III}$ Coordination Polymers Constructed by Using $[Ni(bpca)_2]$ as a Building Block [Hbpca = bis(2-pyridylcarbonyl)amine]: Synthesis, Crystal Structures and Magnetic Properties",* **A. M. Madalan**, K. Bernot, F. Pointillart, M. Andruh, A. Caneschi, *Eur. J. Inorg. Chem.*, **2007**, 5533-5540.

105. *"Generation of [2x2] Grid Metallosupramolecular Architectures from Preformed Ditopic Bis(acylhydrazone) Ligands and through Component Self-assembly",* X.-Y. Cao, J. Harrowfield, J. Nitschke, J. Ramirez, A.-M. Stadler, N. Kyritsakas-Gruber, **A. Madalan**, K. Rissanen, L.Russo, G. Vaughan, J.-M. Lehn, *Eur. J. Inorg. Chem.*, **2007**, 2944-2965.

106. *"O•••S versus N•••S Intramolecular Nonbonded Interactions in Neutral and Radical Cation Salts of TTF-Oxazoline Derivatives: Synthesis, Theoretical Investigations, Crystalline Structures, and Physical Properties",* C. Réthoré, **A. Madalan**, M. Fourmigué, E. Canadell, E. Lopes, M. Almeida, R. Clérac, N. Avarvari, *New J. Chem.*, **2007**, *31*, 1468-1483.

107. *"Supramolecular Bimetallic Systems Constructed through $\pi$–$\pi$ Stacking and Hydrogen Bond Interactions",* **A. M. Madalan**, M. Andruh, N. Avarvari, Marc Fourmigué, *Synth. React. Inorg. M.*, **2007**, 757-764.

108. **"***Copper(II) and cobalt(II) complexes of chiral tetrathiafulvalene-oxazoline (TTF-OX) and tetrathiafulvalene-thiomethyl-oxazoline (TTF-SMe-OX) derivatives",* **A. M. Madalan**, C. Réthoré, N.Avarvari, *Inorg. Chim. Acta*, **2007**, *360*, 233-240.

109. *"Rational design of supramolecular grid-like layers and zigzag chains through a unique interplay of $d^{10}$-$d^{10}$ and $\pi$–$\pi$ stacking interactions",* **A. M. Madalan**, N. Avarvari, M. Andruh, *Cryst. Growth Des.*, **2006**, *6*, 1671-1675.

110. *"Metal complexes as second-sphere ligands",* **A. M. Madalan**, N. Avarvari, M. Andruh, *New J. Chem.*, **2006**, *30*, 521-523.

111. *"Chemistry at the apical position of square-pyramidal copper(II) complexes: synthesis, crystal structures, and magnetic properties of homopolynuclear complexes with azido bridges containing $[Cu(AA)(BB)]^+$ moieties (AA = acetylacetonate; BB = 1,10-phenanthroline, bipy = 2,2'-bipyridine)",* **A. M. Madalan**, M. Noltemeyer, M. Neculai, H. W. Roesky, M. Schmidtmann, A. Müller, Y. Journaux, M. Andruh, *Inorg. Chim. Acta*, **2006**, *359*, 459-467.

112. *"Exchange interaction at the supramolecular level. EPR investigation of two copper (II) compounds: $[Cu_2(acac)_2(phen)_2(bpe)](ClO_4)_2\cdot(bpe)\cdot CH_3CN\cdot H_2O$ and $[Cu_2(acac)_2(phen)_2(bpp)](ClO_4)_2\cdot 6H_2O$ (bpe = trans-1,2-bis(4-pyridyl)ethylene, bpp = bis(4-pyridyl)propane)"*, V. Voronkova, R. Galeev, L. Korobchenko, **A. M. Madalan**, M. Andruh, V. Ch. Kravtsov, Y. A. Simonov, *Appl. Magn. Res.*, **2005**, *28*, 297-310.

113. *"Construction of tube- and ladder-like copper(II) coordination polymers based on the nicotinato tectons",* **A. M. Madalan**, C. Paraschiv, J.-P. Sutter, M. Schmidtmann, A. Müller, M. Andruh, *Cryst. Growth Des.*, **2005**, *5*, 707-711.
114. *"Mononuclear and one-dimensional polynuclear Cu(II) complexes with two different chelatic ligands. Syntheses, structural and spectral characterization of [Cu(acac)(phen)($H_2O$)]($ClO_4$) and [Cu(acac)(bipym)($ClO_4$)]$_n$"*, **A. M. Madalan**, C. Ruiz-Pérez, E. Melnic, V. Kravtsov, M. Andruh, *Rev. Roum. Chim.*, **2005**, *50*, 11-17.
115. *"A unique diamantoid network resulted from the convolution of π–π stacking and lipophilic interactions",* **A. M. Madalan**, V. Ch. Kravtsov, Y. A. Simonov, V. Voronkova, L. Korobchenko, N. Avarvari, M. Andruh, *Cryst. Growth Des.*, **2005**, *5*, 45-47.
116. *"Chemistry at the apical position of square-pyramidal copper (II) complexes. Synthesis, crystal structures and magnetic properties of mononuclear Cu(II), and heteronuclear Cu(II)-Hg(II) and Cu(II)-Co(II) complexes containing [Cu(AA)(BB)]$^+$ moieties (AA = acetylacetonate, salicylaldehydate; BB = 1,10-phenantroline, 4,4'-dimethyl-2,2'-bipyridine)",* **A. M. Madalan**, V. Ch. Kravtsov, D. Pajic, K. Zadro, Y. A. Simonov, N. Stanica, L. Ouahab, J. Lipkowski, M. Andruh, *Inorg. Chim. Acta*, **2004**, *357*, 4151-4164.
117. *"Sinteza, caracterizarea structurală şi spectrală a doi noi compuşi de tipul [Cu(sal)(AA)($ClO_4$)] (sal = anionul aldehidei salicilice, AA = 4,4'-dimetil-2,2'-bispiridil şi 2,2'-bispirimidină)",* **A. M. Mădălan**, E. Melnic, V. Ch. Kravtsov, Y. A. Simonov, M. Schmidtmann, A. Müller, M. Andruh, *Rev. de Chimie*, **2004**, *9*, 678-682.
118. *"Exchange Interactions at the Supramolecular Level - Synthesis, Crystal Structure, Magnetic Properties, and EPR Spectra of [Mn(MAC)(TCNQ)$_2$](MAC - Pentaaza Macrocyclic Ligand; TCNQ$^{\cdot-}$ - Radical Anion of 7,7,8,8-Tetracyano-p-quinodimethane)",* **A. M. Madalan**, V. Voronkova, R. Galeev, L. Korobchenko, J. Magull, H. W. Roesky, M. Andruh, *Eur. J. Inorg. Chem.*, **2003**, 1995-1999.
119. *"New tetranuclear copper(II) complexes obtained by using compartmental and exo-dentate ligands",* D. Visinescu, **A. M. Madalan**, V. Kravtsov, Y. A. Simonov, M. Schmidtmann, A. Müller, M. Andruh, *Polyhedron*, **2003**, *22*, 1385-1389.
120. *"Supramolecular solid-state architectures constructed from 4,4'-bipyridine-N,N'-dioxide and dicyanamido tectons. Synthesis and crystal structures of [M(bpno)$_2${N(CN)$_2$}$_2$($H_2O$)$_2$] (M = Co, Mn) and [Cu(bpno){N(CN)$_2$}$_2$($H_2O$)]",* A. Nedelcu, Z. Žak, **A. M. Madalan**, J. Pinkas, M. Andruh, *Polyhedron*, **2003**, *22*, 789-794.
121. *"The first coordination compound containing three different types of spin carriers: 2p-3d-4f (TCNQ$^{-}$•, $Cu^{2+}$, and $Gd^{3+}$)",* **A. M. Madalan**, H. W. Roesky, M. Andruh, M. Noltemeyer, N. Stanica, *Chem. Commun.*, **2002**, 1638-1639.
122. *"[Cu(2,2'-bipy)(NCS)$_2$], the missing term in the isostructural [Cu(AA)(NCS)$_2$] series (AA=aromatic diamines) ",* **A. M. Madalan**, V. Kravtsov, Y. A. Simonov, M. Andruh, *Rev. Roum. Chim.*, **2002**, *47*, 917-921.
123. *"Two Different Copper(II) Complexes in One Single Crystal: [Cu$_2$L(μ-OH)($O_2ClO_2$)$_2$] and [(Cu(acac)(phen)($OClO_3$)] (L = bis-2,6-[N-((dimethylamino)ethyl)formimidoyl]phenolato)",* **A. M. Madalan**, A. Müller, M. Andruh, M. Schmidtmann, *Acta Univ. Cibiniensis, Seria F Chemia*, **2002**, *1*, 13-17.
124. *"Two different (acetylacetonato)(bipyridine)copper(II) complexes in one single crystal: [Cu(acac)(bipy)($N_3$)] and [Cu(acac)(bipy)($H_2O$)]$ClO_4$*", **A. M. Madalan**, M. Andruh, L. Ouahab, S. Golhen, *Rev. Roum. Chim.*, **2001**, *46*, 433-437.