

**LISTA Conferinte/Conference List**

**2023**

181. Cimpoesu, F.; Ferbinteanu, M.; Secu, M. *Structure-Property Correlations In The Chemistry And Spectroscopy Of Lanthanide Compounds*, 21<sup>st</sup> International Balkan Workshop on Applied Physics and Materials Science, Constanta, Romania, July 11-14, 2023, invited structure.

180. Ferbinteanu, M. *New Keys for Old Keywords in Structural Chemistry. Safeguarding Qualitative Paradigms and Phenomenological Models in the Era of Big-Data Computations*, International Summer School on Nanosciences & Nanotechnologies for Master and Phd Students, June 18 – 23, 2023, Marseille, France, invited lecture.

179. Ferbinteanu, M. *Ligand Field Theory. An Evergreen Field.*, Molmod Lectures, March 27, 2023, invited lecture.

178. Ferbinteanu, M. *Symmetry and molecular structure*, Molmod Lectures, March 20, 2023, invited lecture.

177. Ferbinteanu, M. *New keys for old keywords. Updated qualitative paradigms: hybridization, isolobality, aromaticity*. Molmod Lectures, January 18, 2023, invited lecture.

**2022**

176. Cimpoesu, F; Ferbinteanu, M.; Urand, W. *Engineering Magnetic and Optical Properties of Lanthanide Compounds with Ligand Field Models*, 20<sup>th</sup> International Balkan Workshop on Applied Physics Constanța, Romania, July 12-15, 2022, invited lecture.

175. Ferbinteanu, M., *Synthesis, properties and structural analysis of a new series of oligonuclear copper (II) complexes with pyrazolato-bridges*, 8th Asian Conference on Coordination Chemistry, ACCC8 2022, Taipei, Taiwan, August 7-11, 2022, oral presentation.

174. Ferbinteanu, M., *Magneto-structural correlations in a series of polynuclear pyrazolato copper (II) complexes*, International Conference on Advanced Materials, Nanosciences and Applications and Training School in Spectroscopies for

Environment and Nanochemistry, ICAMANA 2022, Nov. 22-24th 2022, Louvain-la-Neuve, Belgium, keynote presentation.

**2020**

**2019**

**173.** Ferbinteanu, M., Cimpoesu, F.; *The Magnetic Anisotropy in Simple Lanthanide Units*, 19<sup>th</sup> International Balkan Workshop on Applied Physics and Materials Science, Constanta, Romania July 16-19, 2019, invited lecture.

**172.** Ferbinteanu, M.; Cimpoesu, F. *Structure-properties Correlation in Lanthanide Nitrate Anions*, IasiChem 2019, Iasi, 31 Octombrie – 01 Noiembrie, 2019, invited lecture.

**171.** Toma, A., Lungeanu, A., Ferbinteanu, M. *Triangular Copper (II) Pyrazolate Complexes. Structural analysis*. IasiChem 2019, Iasi, 31 Octombrie – 01 Noiembrie, 2019, poster (premiul II).

**170.** Zarafu, I.; Nicolau, I.; Chifiriuc, C.; Marutescu, L.; Ionita, P.; Ferbinteanu, M. *Synthesis, Crystal Structure and Biological Activity of 2-Hydroxy-8-substituted-tricyclo [7.3.1.02.7] tridec-13-ones*, 9<sup>th</sup> International Conference Of The Chemical Societies Of The South-East European Countries, ICOSECS-9, May 8<sup>th</sup>-11<sup>th</sup>, 2019, Targoviste, Romania, poster.

**169.** Chiva, A.; Ene, F.; Dobre, L.; Alloanii, C.; Chirita, I.; Buta, C.; Radu, M.; Zalaru, C.M., Dumitrascu, F.; Draghici, C.; Ferbinteanu, M.; Marinescu, M.; Târcomnicu, I.; Tatia, R.; Moldovan, L. *Novel substituted haloaminopyrazoles with anti-tumor activity*, 9<sup>th</sup> International Conference Of The Chemical Societies Of The South-East European Countries, ICOSECS-9, May 8<sup>th</sup>-11<sup>th</sup>, 2019, Targoviste, Romania, poster.

**168.** Zalaru, C.; Dumitrascu, F.; Draghici, C.; Cinteza, L.O.; Marinescu, M.; Tracomnicu, I.; Cimpoesu, M.; Tatia, R.; Moldovan, L. *Novel Substituted Heterocycles Hybrids with Anti-Tumor Activity*, 2<sup>nd</sup> International Conference on Emerging Technologies in Materials Engineering, EmergeMAT, Bucharest, Romania, November 6<sup>th</sup>-8<sup>th</sup>, 2019, poster

**2018**

**167.** Ferbinteanu, M., Buta C.M.; Cimpoesu, F.; *Metamagnetic Behaviour In Mn(III) ID Complexes.*, 18th International Balkan Workshop on Applied Physics and Materials Science IBWAP2017, Constanta, Romania, July 10-13, 2018, invited lecture.

**166.** Ferbinteanu, M.; Cimpoesu, F. *Rationalizing the Magnetic Anisotropy with the Help of Ligand Field Concepts in Simple Lanthanide Units*, 43<sup>rd</sup> International Conference on Coordination Chemistry, July 30<sup>th</sup>-August 4<sup>th</sup> 2018, Sendai, Japan, oral presentation

**165.** Ferbinteanu, M.; Cimpoesu, F. *The Fine Balance of Structural Factor in Spin Cross-Over Processes*, 68<sup>th</sup> Conference of Japan Society of Coordination Chemistry, July 28-30<sup>th</sup> 2018, Sendai, Japan, oral presentation.

**164.** Tanase, S.; Ferbinteanu, M. *Structural Analysis of Lanthanide and Alkaline-Earth Based Metal Organic Frameworks*, International Conference on Analytical Chemistry-ROICAC, September 1-3<sup>rd</sup> 2018, Bucharest, Romania, invited lecture.

**163.** Stanescu, M.D.; Albota, A.; Oprea, O.; Stefanov, C.; Ferbinteanu, M. *Synthesis And Structural Analysis of New Cobalt (II) Complex Based on N-Benzoylmethyl-Benzimidazol*, International Conference on Analytical Chemistry-ROICAC, September 1-3<sup>rd</sup> 2018, Bucharest, Romania, poster presentation.

**162.** Radulescu, O. Petrisor, R. Ferbinteanu, M. *Synthesis And Structural Analysis Of New Manganese (III) Complexes*, International Conference on Analytical Chemistry-ROICAC, September 1-3<sup>rd</sup> 2018, Bucharest, Romania, poster presentation.

**161.** Ferbinteanu, M. *WWI-The Women Chemist's War*, World War I and Beyond: Human Tragedies, Social Challenges, Scientific and Cultural Responses, HUMBOLDT KOLLEG, September 17-19<sup>th</sup> 2018, Bucharest, Romania, oral presentation.

**160.** Ferbinteanu, M. *On the use of Time-Dependent Density Functional Methods in the Account of Ligand Field-type Spectra of the Coordination Compounds.*, Molecular modeling in chemistry and biochemistry MOLMOD 2018, October 28-30<sup>th</sup> 2018, Cluj-Napoca, Romania, invited lecture.

## 2017

**159.** Ferbinteanu, M.; Cimpoesu, F.; Girtu, M. *Case Studies on Structure and Properties of Extended Magnetic Systems*, COST VI<sup>th</sup> Meeting CM1305, Lisbon, Portugal, March 29-April 1, 2017, oral presentation

**158.** Tanase, S.; Cimpoesu, F.; Ferbinteanu, M. *Structural Analysis Of Lanthanide-Based Metal Organic Frameworks*, 24<sup>th</sup> Conference of the Serbian Crystallographic Society, Vršac, Serbia, June 22-24, 2017, invited lecture.

**157.** Cimpoesu, F.; Ferbinteanu, M. *Magnetic properties in radical-based systems.*, 17<sup>th</sup> International Balkan Workshop on Applied Physics and Materials Science IBWAP2017, Constanta, Romania, July 11-14, 2017, invited lecture.

**156.** Aldica, G.; Batalu, D.; Nakamura, T.; Ferbinteanu, M.; Spanu, C.; Badica, P. *Thermal decomposition on GeSP straight-chain polymer*, 4<sup>th</sup> Central and Eastern European Conference on Thermal Analysis and Calorimetry, Chisinau, Moldova, August 28-31, 2017, poster presentation.

**155.** Ferbinteanu, M. *Spin Coupling and Magnetic Anisotropy in Mn(III) Complexes: Weighing the Fine Balance of Ligand Field, Spin Orbit and Lattice Effects*. ZILELE Universitatii "Alexandru Ioan Cuza" din Iasi, Conferinta Facultatii de Chimie IasiChem 2017, Iasi, Romania, October 26-28, 2017, invited lecture.

**154.** Terenti, N.; Ferbinteanu, M.; Lazarescu, A. *Crystal Structure of Neutral 2,3-Pyridinedicarboxylate Cobalt(III) Complex*, The 6th International Conference Ecological & Environmental Chemistry-2017 EEC-2017, Chisinau, Republic of Moldova, March 2-3, 2017, poster presentation

**153.** ACS Festival Training Institute, Szeged, Hungary, September 27-29, 2017

## 2016

**152.** M. Ferbinteanu, *Magnetic Anisotropy and Spin Transition: Weighing The Fine Balance Of Ligand Field, Spin Orbit And Lattice Effects*, Van 't Hoff Institute for Molecular Sciences, February 2<sup>nd</sup>, 2016, Amsterdam, Netherlands, invited lecture.

**151.** C. Buta, M. Ferbinteanu, F. Cimpoesu, *The Fine Balance of Effects in Spin Cross-Over Processes. A Ligand Field Modeling*, ECOSTBIO WG Meeting, COST Action1305, 13<sup>th</sup> -15<sup>th</sup> April 2016, Prague, Czech Republic, poster presentation.

**150.** I. Murariu, M. Ferbinteanu, F. Cimpoesu, *Rationalizing the Magnetic Anisotropy With The Help of Ligand Field Concepts in Simple Lanthanide Units*, ECOSTBIO WG Meeting, COST Action1305, 13<sup>th</sup> -15<sup>th</sup> April 2016, Prague, Czech Republic, poster presentation.

**149.** M. Ferbinteanu, F. Cimpoesu, *Mapping the Single Molecule Magnet Behaviour in f-Type Complexes*, 16th International Balkan Workshop on Applied Physics, Proceeding IBWAP Constanta, Romania, July 7-9, 2016, invited lecture.

**148.** M. Ferbinteanu, F. Cimpoesu, *Mapping the Ligand Field and Magnetic Anisotropy in f-type Complexes*, The 15th International Conference on Molecule-Based Magnets-Book of abstracts, ICMM2016, Sendai, Japan, September 4-8, 2016, oral and poster presentation.

**147.** M. Ferbinteanu, F. Cimpoesu, *New keys for the keywords of molecular magnetism. A chemist's perspective on the magnetic anisotropy*, 16th International Conference of Physical Chemistry ROMPHYSICHEM-16, Galati, Romania, September 21-23, 2016, oral presentation.

**146.** M.C. Buta, M. Turcu, M. Iote, M. Radu, M. Ferbinteanu, F. Dumitrascu, C. Draghici, R. Tatia, L. Moldovan, I. Ardelean, Ch. Zalaru, *Novel aminopyrazole*

*derivatives biologically active. Structural analysis*, 16<sup>th</sup> International Conference of Physical Chemistry ROMPHYSICHEM-16, Galati, Romania, September 21-23, 2016, poster.

**145.** M. Radu, M. Ferbinteanu, C. Zalaru, *Structural Variety of Polynuclear Copper Complexes Based on New Pyrazoles Derivatives*, 16<sup>th</sup> International Conference of Physical Chemistry ROMPHYSICHEM-16, Galati, Romania, September 21-23, 2016, poster.

**144.** M.C. Buta, M. Turcu, M. Ferbinteanu, F. Dumitrascu, C. Draghici, I. Ardelean, C. Zalaru, *Synthesis, spectral characterization and biological evaluation of some novel aminopyrazole. Structural analysis*, 16<sup>th</sup> International Conference of Physical Chemistry ROMPHYSICHEM-16, Galati, Romania, September 21-23, 2016, poster.

**143.** M. Ferbinteanu, *Case Studies of the Exchange Coupling, Anisotropy and Spin Conversion in Mn(III) Systems*, Molecular modeling in chemistry and biochemistry MOLMOD 2016, November 13-15, 2016, Cluj-Napoca, Romania, invited lecture.

## 2015

**142.** M. Ferbinteanu, F. Cimpoesu, *Magnetic Anisotropy and Spin Transition: Weighing the Fine Balance of Ligand Field, Spin Orbit And Lattice Effects.*, ECOSTBIO WG Meeting, COST Action1305, 12<sup>th</sup> -13<sup>th</sup> January 2015, Marseille, France, oral presentation

**141.** F. Cimpoesu, M. Ferbinteanu, *The Vibrational Chemistry of the Spin-Crossover Phenomena. New Case Studies.*, 15th International Balkan Workshop on Applied Physics, 2-4 July 2015 Constanta, ROMANIA, invited lecture.

**140.** M. Ferbinteanu, F. Cimpoesu, *Bonding Mechanisms And Causal Relationships with Magnetic Properties in Extended Coordination Systems. Case Studies in the Challenge of Property Design at Nanoscale.*, The 8th International Conference On Advanced Materials: ROCAM 2015, 7-10 July 2015, Bucharest, Romania, oral presentation.  
Abstract Book, editura Granada, ISSN 1842-3574., p.158

**139.** M. Ferbinteanu, F. Cimpoesu, *Discovering the Poles of the Molecular Magnets*, The 2<sup>nd</sup> International Conference on Advanced Complex Inorganic Nanomaterials, ACIN 2015, 13<sup>th</sup>-17<sup>th</sup> July 2015, Namur, Belgium, oral presentation

**138.** G. Aldica, C. Matei, A. Paun, Dan Batalu, M. Ferbinteanu, P. Badica. *Thermal decomposition of C<sub>6</sub>H<sub>10</sub>Ge<sub>2</sub>O<sub>7</sub>*. 3rd International Central and Eastern European on Thermal Analysis and Calorimetry (CEEC-TAC 3), Ljubljana, Slovenia, August 25 - 28, 2015, poster.

**137.** M. Ferbinteanu, F. Cimpoesu, *Molecular Assembling and Magnetic Manifestations in 2D Systems and Related Edifices. Structure-property Relationships in Case Studies.*, The 76<sup>th</sup> Japanese Society of Applied Physics Autumn Meeting, JSAP2015, 13<sup>th</sup>-16<sup>th</sup> September 2015, Nagoya, Japan, invited lecture.

**136.** M. Ferbinteanu, *Supramolecular Interactions in Spin Crossover Systems*, Nanoscience in Chemistry, Physics, Biology And Mathematics, 12-14 Nov. 2015, Cluj, Romania, invited lecture.

## 2014

**135.** M. Ferbinteanu, *Case studies on magnetic anisotropy in d, f and d-f complexes*, International Conference on Molecular Magnetism, Jujols VII, Mülheim a.d. Ruhr, Germany, January 13-17, 2014, oral presentation.

**134.** M. Ferbinteanu, F. Cimpoesu, *Advancing into the new paradigms of molecular magnetism by case studies. A chemist's perspective on the magnetic anisotropy.* French-Irish International Workshop on Magnetism and Electronic Structure, Dublin, Ireland, May 19-20, 2014, oral presentation.

**133.** M. Ferbinteanu, *Explorand polii magnetici ai moleculelor*, Conferinta stiintifice ASC-UB, Bucuresti, April 2, 2014, invited lecture.

**132.** C.I. Oprea, A.-M. Trandafir, A. Trandafir, P. Panait, F. Cimpoesu, D. Stamate, M. Ferbinteanu, M. A. Gîrțu, *Computational Study Of Dye Regeneration By Cobalt-Based Electrolytes— Applications To Dye-Sensitized Solar Cells*, 14<sup>th</sup> International Balkan Workshop on Applied Physics, Constanta, Romania, July 2-4, 2014, oral presentation.

**131.** M. Ferbinteanu, D. Stamate, C. I. Oprea, P. Panait, M. A. Gîrțu, *New Mixed Ligand Co(II) Complexes As Possible Electrolytes For Dye Sensitized Solar Cells – A Combined Experimental And Computational Approach*, 14<sup>th</sup> International Balkan Workshop on Applied Physics, Constanta, Romania, July 2-4, 2014, poster presentation.

**130.** M. Ferbinteanu, *Ubi Materia, Ibi Geometria. On Molecular Shape and Causal Consequences in Microcosm and Macrocosm*, Summer School on Applied Supramolecular Chemistry and Workshop on Theoretical Supramolecular Chemistry, July 28-30, 2014, invited lecture.

**129.** M. Ferbinteanu

*Ferbinteanu-Cimpoesu Group in Ecostbio*

Explicit Control Over Spin-states in Technology and Biochemistry (ECOSTBio) Second Meeting,

Girona, Spain, September 21-23, 2014, short oral presentation.

**128.** M. Ferbinteanu, *Discovering the Poles of Molecular Magnets*, *Molecular Modelling in Chemistry and Biochemistry*, MOLMOD2014, Cluj-Napoca, Romania, November 13-15, 2014, invited lecture.

**127.** M. M. Radu, C. Zălaru, M. Ferbinteanu, *Polynuclear Copper Complexes Based on New Pyrazole Derivatives. Structural Analysis*, *Molecular Modeling in Chemistry and Biochemistry*, MOLMOD 2014 Cluj-Napoca, 12-15 noiembrie 2014, poster presentation.

**126.** M-C. Buta, M.-M. Turcu, M. M. Radu, C. Zălaru, M. Ferbinteanu *Spectral and Structural Analysis of New Aminopyrazoles Derivatives*. *Molecular Modeling in Chemistry and Biochemistry*, MOLMOD 2014, Cluj-Napoca, 12-15 noiembrie 2014, poster presentation.

**125.** M. Ferbinteanu, *On Form and Pattern-Ubi Materia, Ibi Geometria. On Molecular Shape and Causal Consequences in Microcosm and Macrocosm*, An Interdisciplinary Workshop Devoted to Morphogenesis, Humboldt-Kolleg, Bucharest, Romania, May 29-31, oral presentation.

## 2013

**124.** M. Ferbinteanu, F. Cimpoesu, *Discovering The Poles of The Molecular Magnets*, 13<sup>th</sup> International Balkan Workshop on Applied Physics, Constanta, Romania, July 4-6, 2013, invited lecture.

**123.** C.I. Oprea, B. Frecus, P. Panait, F. Cimpoesu, M. Ferbinteanu, Mihai A. Gîrtu, *Magnetic Ordering in a Family of High Temperature Molecular Magnets – a Computational Approach*, 13<sup>th</sup> International Balkan Workshop on Applied Physics, Constanta, Romania, July 4-6, 2013, oral presentation.

**122.** P. Panait, C. I. Oprea, B. Frecus, F. Cimpoesu, M. Ferbinteanu, Mihai A. Gîrtu, *DFT Study of Exchange Interactions In Molecular Magnets Based on Manganese-Porphyrins*, 13<sup>th</sup> International Balkan Workshop on Applied Physics, Constanta, Romania, July 4-6, 2013, poster presentation.

**121.** D. Stamate, V. Macovei, M. Ferbinteanu, M. A. Gîrtu, *Structural Varieties Of Cu(II) Complexes With Bidentate Ligands*, 13<sup>th</sup> International Balkan Workshop on Applied Physics, Constanta, Romania, July 4-6, 2013, poster presentation.

**120.** D. Stamate, M. Ferbinteanu, M. A. Gîrtu, *New Co(II) Mixed Ligand Complexes For Dye-Sensitized Solar Cells*, 13<sup>th</sup> International Balkan Workshop on Applied Physics, Constanta, Romania, July 4-6, 2013, poster presentation.

**119.** M. Ferbinteanu, F. Cimpoesu, *The Magnetic Anisotropy, from Complex Units to Nano-Scale Level*, 2013 JSAP-MRS Joint Symposium, Kyoto, Japan, September, 16-20, 2013, invited presentation.

**118.** D. Humelnicu, I. Humelnicu, P. Badica, M. Ferbinteanu, *Complexes of Keggin-type monolacunary heteropolytungstates with lanthanides: synthesis and*

*magnetic properties*, International Conference of Physical Chemistry ROMPHYSCHEM15, Bucharest, Romania, September 9-13, 2013, poster.

**117.** Irina Dinu, Christina Zalaru, Daniela Bala, Constantin Mihailciuc and Marilena Ferbinteanu, *New Co(II) and Ni(II) cubane-like structures. Synthesis and structure analysis*. International Conference of Physical Chemistry ROMPHYSCHEM15, Bucharest, Romania, September 9-13, 2013, poster.

**116.** Violeta Macovei, Daniela Stamate and Marilena Ferbinteanu *Structure and properties of a new series of systems with distant d and f sites*, International Conference of Physical Chemistry ROMPHYSCHEM15, Bucharest, Romania, September 9-13, 2013, poster.

**115.** Daniela Bala, Constantin Mihailciuc, Christina Zalaru and Marilena Ferbinteanu *Electrochemistry of cubane-like coordination compounds*, International Conference of Physical Chemistry ROMPHYSCHEM15, Bucharest, Romania, September 9-13, 2013, poster.

**114.** M. Ferbinteanu *Discovering the magnetic poles of molecules* International Conference of Physical Chemistry ROMPHYSCHEM15, Bucharest, Romania, September 9-13, 2013, keynote lecture.

## 2012

**113.** Ferbinteanu, M. *Unusual properties of Mn (III) complexes related with lattice effects*, XIX Conference of Serbian Crystallographic Society, Bela Crkva, Serbia, May 31 – Jun 2, 2012. (plenara)

**112.** Ferbinteanu, M. *Magnetic Anisotropy in Case Studies: Synthesis, Structure, Properties.*, *International Workshop on Advances in Structure-Property Correlations, the Gate for Special Properties at Molecular and Nano-Scale Levels*, ADSPECPRO, Bucuresti 20-21.09.2012(plenara)

**111.** Ferbinteanu, M. *Structure- Properties Relationships in d and f complexes*, *Internation Simpozion on Advanced Materials*, Nanjing University of Posts & Communications, Institute of Advanced Materials, Nanjing, China, 2 Noiembrie 2012. (plenara)

**110.** Ferbinteanu, M.; *Lattice Effects on the Unusual Magnetic Properties of Mn (III) Complexes*, 4th International Workshop on Current trends and advanced ellipsometry and all X-ray techniques for the characterization of TCO, BIO and other nanostructured materials, Bucuresti, 12-14 septembrie 2012. (prezentare orală)

**109.** Ferbinteanu, M.; Cimpoesu F. *Magnetic Anisotropy in Case Studies: Synthesis, Structure, Properties.*, Simpozionul JSPS New Opportunities for Interdisciplinary Research in BIO-NANO-SCIENCE, Bucuresti, 29 octombrie 2012. (prezentare orală)

**108.** Ferbinteanu, M. *O noua generatie de paradigme in magnetismul molecular si stiinta materialelor. Anizotropia magnetica in unitati complexe, sisteme*

*supramoleculare si la nano-scala*, Simpozionul Cercetarea in domeniul Materialelor in Universitatea Bucuresti dintr-o perspectiva combinata, Bucuresti, 24 noiembrie 2012, organizator prof. V.Parvulescu. (prezentare orală)

**107.** Berbeceanu, S.; Lupu, A.; Zalaru, C.; Ferbinteanu, M. *New Co(II) and Ni(II) cuban-like structure. Structural prototypes in coordination chemistry*, XIX Conference of Serbian Crystallographic Society, Bela Crkva, Serbia, May 31 – Jun 2, 2012. (poster)

**106.** Gheorghe, A.; Ferbinteanu, M.; Wang, S. , *Structural chemistry and solid state physics of mn(III) spin-crossover compounds*, XIX Conference of Serbian Crystallographic Society, Bela Crkva, Serbia, May 31 – Jun 2, 2012. (poster)

**105.** Ferbinteanu, M. ; Cimpoesu F. ; *Breakthroughs in the magnetochemistry of lanthanide complexes*, V<sup>th</sup> International Conference on Molecular Materials. MOLMAT 2012 – Barcelona, Spania, July 3-6, 2012. (poster)

**104.** Ferbinteanu, M.; Cimpoesu, F.; Wang, S. *Molecular Structure and Magnetic Anisotropy in Mn(III) Complexes with Axial Compression*, XXI International Symposium of the Jahn-teller Effect", Tsukuba, Japonia, 24-31.08.2012. (poster)

**103.** Humelnicu, D.; Sova, S.; Humelnicu, I.; Badica, P.; Ferbinteanu, M. *Lanthanide Polyoxomolybdates: Synthesis, Structure and Magnetic Properties*, ICC40, Valencia, Spania, 9-13 Sept.2013. (poster)

## 2011

**102.** M. Ferbinteanu, C. Marinescu, S. Wang, W. Huang, *Special Bistability Phenomena: a Rare Case of Spin Conversion in Manganese(III)*, The 12th International Workshop on Applied Physics, Constanta, 6-8 July, 2011, Invited lecture.

**101.** M. Ferbinteanu, S. Tanase, I. Humelnicu, F. Cimpoesu, *The missing link in the magneto-structural correlations of lanthanide complexes: the realistic description of Ligand Field and long range effects via ab initio methods and the first principle simulation of magnetic properties*, International Symposium on Advanced Complex Inorganic Nanomaterials, Namur, Belgia, 11-14 septembrie 2011, poster .

**100.** M. Ferbinteanu, M. A. Gîrțu, F. Cimpoesu ,*Charting the Structure-Property Relationships in the Landscape of Spin Chemistry of Mn(III) Complexes. New Case Studies and Paradigms*, International Symposium on Advanced Complex Inorganic Nanomaterials, Namur, Belgia, 11-14 septembrie 2011, poster .

**99.** C. I. Oprea, F. Cimpoesu, P. Panait, B. Frecus, M. Ferbinteanu, M. A. Gîrțu, *Broken Symmetry DFT Calculations of Exchange Coupling Constants for [MnTPP][TCNE] Quasi One-Dimensional Molecular Magnets*, International Symposium on Advanced Complex Inorganic Nanomaterials, Namur, Belgia, 11-14 septembrie 2011, poster .

## 2010

98. Ferbinteanu, M., *The song of coordination spheres. Synthesis, structure and special properties of molecular and supramolecular complex compounds.*, Humboldt-Kolleg, Klausenburg/ Cluj-Napoca, Rumänien, 20 – 23 Mai 2010, conferinta plenara.
97. Ferbinteanu, M., *Molecular Magnetism: Playground for Concepts, Background for Applications.* Humboldt-Kolleg, Timisoara 23-28 Noiembrie 2010, conferinta plenara.
96. Ferbinteanu, M., *Hard and Soft Assembling Bonds in Coordination and Supramolecular Systems. From Experiment to Molecular Modeling, Through Chemists Eyes*, MOLMOD, Cluj , 28 Mai 2010, conferinta orală.
95. Moga, O.; Zaharia, A.; Marinescu, C.; Ferbinteanu, M. *Synthesis and structural analysis of new coordination building blocks and extended assemblies*, MOLMOD, Cluj , 28 Mai 2010, poster.
94. Ferbinteanu, M.; Marinescu, C. D., Wang, S., *The Interplay of Spin, Electronic and Vibrational Effects in the Spin Crossover Events. The Rare Case of a Mn(III) Complex Exhibiting Spin Conversion*, XXth International Symposium on the Jahn-Teller Effect, Fribourg, Switzerland, 16-20 August 2010, poster.
93. Ferbinteanu, M.; Wang, S.; Cimpoesu, F. *Case Studies of the Exchange Coupling, Anisotropy and Spin Conversion in New Mn(III) Systems.*, The 12th International Conference on Molecule-Based Magnets, Beijing, China, 8-12 Octombrie 2010, comunicare orală.
92. Cimpoesu, F.; Ferbinteanu, M. *The ab initio calculation of the magnetic anisotropy tensors in molecular complexes.*, The 12th International Conference on Molecule-Based Magnets Beijing, China, 8-12 Octombrie 2010, poster.
91. Conferinta invitata si stagiu la Nanjing University of Posts & Communications Institute of Advanced Materials, 4-7 Octombrie 2010.
90. Ferbinteanu, M. *The song of coordination spheres. Synthesis, structure and special properties of molecular and supramolecular complex compounds*, Nanjing University of Posts & Communications, Institute of Advanced Materials, 7 Octombrie 2010, conferinta invitata.

## 2009

89. Marilena Ferbinteanu, *Magnetic anisotropy in molecular case studies. Chemistry and modelling in symbiotic feed-back*, MOLMOD 3, 2-4 Aprilie 2009, Cluj-Napoca, Romania, prezentare orală.
88. Alina Zaharia, Crina Marinescu, Olivia Moga, Marilena Ferbinteanu, Fanica Cimpoesu, *Insights in structural parameters and bonding mechanisms of*

*coordination compounds. Structural particularities of a tridentate rigid ligand.*  
MOLMOD 3, 2-4 Aprilie 2009, Cluj-Napoca, Romania, poster.

**87.** Marilena Ferbinteanu *Optic And Magnetic Features Of Lanthanide Complexes. Structure -Property Correlations In New Case Study Compound*, 10<sup>th</sup> International Balkan Workshop on Applied Physics, 6-8 iulie 2009, Constanta, Romania, conferinta invitata.

**86.** Marilena Ferbinteanu, Fanica Cimpoesu, Mihai Girtu, *Exchange Coupling And Anisotropy In Coordination Units Based Assemblies. Synthetic And Modelling Advances In The Magnetic Materials Design*, 16<sup>th</sup> Edition of the Romanian International Conference on Chemistry and Chemical Engineering (RICCCE XVI), 9-12 Septembrie, Sinaia, Romania, 2009, prezentare orala.

**85.** Marilena Ferbinteanu, Alina Zaharia, Fanica Cimpoesu, A Fe(III)-Tb(III) Complex As Case Study For Advanced Magneto-Structural Correlations In Magnetic Materials, 16<sup>th</sup> Edition of the Romanian International Conference on Chemistry and Chemical Engineering (RICCCE XVI), 9-12 Septembrie, Sinaia, Romania, 2009, poster.

**84.** Marilena Ferbinteanu, *Long Range Effects in Supramolecular Architectures of Lanthanide Complexes*, Second Humboldt Conference on Noncovalent Interaction, 22-25 octombrie, Vrsac, Serbia, conferinta invitata.

**83.** Alina Zaharia, Marilena Ferbinteanu, *The Study of ML<sub>2</sub> Buiding Blocks Based on a Ambidentate Ligand with N-N-N Tridentate and O-O Chelate Functions*, Second Humboldt Conference on Noncovalent Interaction, 22-25 octombrie, Vrsac, Serbia, poster.

**82.** Olivia Moga, Marilena Ferbinteanu, *Manganese(III) Chain Complexes with Single Syn-Anti Carboxylate Bridges*, Second Humboldt Conference on Noncovalent Interaction, 22-25 octombrie, Vrsac, Serbia, poster.

**81.** Michael Wedel, Goran Janjic, Marilena Ferbinteanu, Snezana Zaric, Horst Borrmann, *Significant Consequence of Subtle Changes within two Mn(III) complexes with naften ligands*, Second Humboldt Conference on Noncovalent Interaction, 22-25 octombrie, Vrsac, Serbia, poster.

**80.** Crina Daniela Marinescu, Horst Borrmann, Marilena Ferbinteanu, *Structural Feature of the Chelate NO<sub>2</sub><sup>-</sup> and Diketonates Units in Mixed Ligand Nickel(II) Complexes*, Second Humboldt Conference on Noncovalent Interaction, 22-25 octombrie, Vrsac, Serbia, poster.

**79.** Dusan Sredojevic, Crina Daniela marinescu, Marilena Ferbinteanu, Goran Janjic and Horst Borrmann, *Noncovalent Interactions Revealed from Crystal Structures of two Ni(II) Mixed Ligand Complexes with demen and dibm*, Second Humboldt Conference on Noncovalent Interaction, 22-25 octombrie, Vrsac, Serbia, poster.

**2008**

- 78.** Ferbinteanu, M. *Studii de caz in chimia asamblarii coordinative si supramoleculare. Sinteze, proprietati, corelatii structurale*, A XXX-a Conferinta Nationala de Chimie, Calimanesti-Caciulata, Romania, 8-10 octombrie 2008. (oral)
- 77.** Ferbinteanu, M., Cimpoesu, F. *Ligand Field Driven Magnetic Anisotropy in New d and f Complexes*, 9th International Balkan Workshop on Applied Physics, Constanta, Romania, 7-9 iulie 2008 . (oral)
- 76.** Cimpoesu, F.; Ferbinteanu, M.; Stanica, N. *The Quantum Chemistry of Vibronic and Spin Couplings. New Structural Problems in Coordination Chemistry*, Jahn-Teller Conference, August 24-30, 2008, Heidelberg, Germania. (oral)
- 75.** Ferbinteanu, M. *Photo- and Magneto- Chemistry of Lanthanide Units and Supramolecular Associations*, International Conference of Physical Chemistry, ROMPHYSICHEM 13, Bucuresti, Romania, 3-5 septembrie 2008. (oral)
- 74.** Ferbinteanu, M.; Cimpoesu, F. *New keys for old keywords. Challenging theoretical developments and applications unified under the concept of aromaticity (organic, inorganic and excited state cases)*, International Conference of Physical Chemistry, ROMPHYSICHEM 13, Bucuresti, Romania, 3-5 septembrie 2008. (oral)
- 73.** Ferbinteanu, M.; Girtu, M.; Cimpoesu, F. *The interplay of exchange and anisotropy in d-f, d-d and d-p systems with molecular- and extended -dimensionality magnet behaviour*, International Conference on Molecular Magnetism, Firenze, Italia, 20-25 septembrie 2008.(poster)
- 72.** Cimpoesu, F.; Ferbinteanu, M.; Frecus, B.; Oprea, C.I.; Girtu, M. *The Broken Symmetry Approach in d-d and d-f and p-p magneto-structural case studies. New Methodologies and Applications*, International Conference on Molecular Magnetism, Firenze, Italia, 20-25 septembrie 2008. (poster)

## 2007

- 71.** M. Ferbinteanu, T. Kajiwara, K. Katagiri, M. Hasegawa, F. Cimpoesu, M. Yamashita, *Optical and Spin Coupling Effects in Calixarene Ligands and Complexes*, 87 Nenkai (The Japanese Chemical Society Annual Conference), 25-28 March 2007, Osaka, Japan
- 70.** S. Wang, M. Ferbinteanu, M. Yamashita, *Cyanide-Bridged Fe(III)-Mn(III) Chain with Metamagnetic Properties and Significant Magnetic Anisotropy*, E-MRS 2007 Spring Meeting, SYMPOSIUM R DCM4-II : Design, characterisation and modelling of molecule-based magnetic materials Strasbourg, France - May 28th to June 1st, 2007 (oral)
- 69.** F. Cimpoesu, M. Ferbinteanu, M. Yamashita, *Magnetic Anisotropy in d and f Sites of New SMM and Related Systems*, E-MRS 2007 Spring Meeting, SYMPOSIUM R DCM4-II : Design, characterisation and modelling of molecule-based magnetic materials Strasbourg, France - May 28th to June 1st, 2007 (poster)

**68.** M. Ferbinteanu , *Tuning And Understanding The Single Molecule and Single Chain Magnet Behaviour in New Series of d And d-f Complexes* , XXI. International Conference  
On Coordination and Bioinorganic Chemistry, Smolenice, Slovakia, 3-8 June 2007  
(plenara)

**67.** Marilena Ferbinteanu, Fanica Cimpoesu, Masahiro Yamashita, *The Subtle Forces Of Polynuclear And Supramolecular Assembling. Case Studies On Exchange Coupling And Self Assembling*, Humboldt Conference on Noncovalent Interactions, Vrsac, Serbia, 15-18 November 2007 (invited lecture)

**66.** Daniela Iacob, Marilena Ferbinteanu, Fanica Cimpoesu, *Coordination And Packing In An Energy Decomposition Analysis Case Study*, Humboldt Conference on Noncovalent Interactions, Vrsac, Serbia, 15-18 November 2007 (poster)

**65.** M. Ferbinteanu, *Proposal for cooperation in industry-oriented research in an enlarged Europe, Info- and brokerage event in new technologies and materials* (FP7/2007: NMP/ICT), Bucharest, 22-23 March 2007 (poster)

**64.** Marilena Ferbinteanu, F. Cimpoesu, *Nanostructured magnetic material. Synthetic, physical and theoretical chemistry approach, from design to application.*, Al 6-lea Seminar National de nanostiinta si nanotehnologie, Bucuresti, 26 martie 2007 (poster)

**63.** Marilena Ferbinteanu, F. Cimpoesu *Corelatii magneto-structurale si asamblare moleculara in complexi d-f*, Sesiunea de comunicari stiintifice, Zilele Universitatii "A. I. Cuza", Iasi, 26-27 octombrie 2007 (plenara)

## 2006

**62.** Ferbinteanu M.; Kajiwara, T.; Choi, K.; Nojiri, H.; Nakamoto, A.; Kojima, N.; Takaishi, S.; Yamashita, M. *Magnetic Anisotropy Effects in a New Series of d-f Complexes*, 86 Nenkaï (The Japanese Chemical Society Annual Conference), Tokyo, Japonia, 28-30 March 2006. (oral)

**61.** Ferbinteanu, M. *Tuning the single molecule and single chain magnet behavior in new series of d and d-f heterometallic complexes. Synthesis and magneto-structural analysis*, Leiden University, Leiden, Olanda, 7 decembrie 2006. (invited lecture)

**60.** Ferbinteanu, M. *A random walk on the border of experiments, models and chemical meaning*, Ochanomizu University, Tokyo, Japonia, 17 octombrie 2006. (invited lecture)

**59.** Ferbinteanu, M.; Kajiwara, T.; Nojiri, H.; Kojima, N.; Cimpoesu, F.; Yamashita, M. *Binuclear Fe(III)Ln(III) Single Molecule Magnets. Quantum Effects and Models*, 10th International Conference on Molecule-based Magnets (ICMM), Victoria, Canada, 13-17 August 2006. (poster)

**58.** Maretti, L.; Ferbinteanu, M.; Cimpoesu, F.; Yamauchi, S.; Caneschi, A.; Thompson, L.K.; J. C. Scaiano, *Spin Coupling in the Supramolecular Structures of new quinoline-TEMPO Complexes*, 10th International conference on Molecule-based Magnets (ICMM), Victoria, Canada, 13-17 August 2006. (poster)

**57.** Ferbinteanu M.; Kajiwara, T.; Nojiri, H.; Miyasaka, H.; Yamashita, M. *Ligand Field Driven Magnetic Anisotropy in New Mn(III) Complexes*, 56 Sakutou (The Japanese Coordination Chemical Society Annual Conference), Hiroshima, Japonia, 16-18 Sept 2006. (poster)

**56.** Ferbinteanu, M.; Kajiwara, T.; Kojima, N.; Cimpoesu, F. ; Yamashita, M. *A 3d-4f Approach to Single-Molecule Magnets: synthesis and magneto-structural analysis of a new series of complexes with bis(2-pyridylcarbonyl)amine as bridging ligand.*, The XVth Conference "Physical Methods in Coordination and Supramolecular Chemistry" Chisinau, Moldova, 27 septembrie - 1 octombrie 2006. (poster)

**55.** Cimpoesu, F.; Ferbinteanu, M.; Miyasaka, H.; Yamashita, M. *The Mechanism of Ferromagnetic Coupling in a Mn(III)-Mn(III)-Fe(III) Single Chain Magnet.*, The XVth Conference "Physical Methods in Coordination and Supramolecular Chemistry" Chisinau, Moldova, 27 septembrie - 1 octombrie 2006. (poster)

**54.** Ferbinteanu, M.; Kajiwara, T.; Kojima, N.; Cimpoesu, F.; Yamashita, M. *O abordare 3d-4f a magnetilor moleculari: sinteza si analiza magneto-structurala a unei noi serii de complecsi cu bis(2-piridilcarbonil)amina ca ligand in punte*, a XXIX-a Conferinta Nationala de Chimie, Calimanesti-Caciulata, Valcea, 4-6 octombrie 2006. (poster)

**53.** Cimpoesu, F.; Ferbinteanu, M.; Miyasaka, H.; Yamashita, M. *Mecanismul cuplajului feromagnetic intr-un magnet molecular monodimensional cu secventa Mn(III)-Mn(III)-Fe(III)*, a XXIX-a Conferinta Nationala de Chimie, Calimanesti-Caciulata, Valcea, 4-6 octombrie 2006. (poster)

2005

**52.** Marilena Ferbinteanu Cimpoesu, T. Kajiwara, H. Nojiri, S. Takaishi and M. Yamashita, *Tuning the single molecule magnet behavior in a new series of d-f heterometallic complexes. Synthesis and magneto-structural analysis.*, Pacificchem 2005, Hawaii, 15-20 Dec 2005.

**51.** K. Katagiri, T. Kajiwara, Marilena Ferbinteanu Cimpoesu, S. Takaishi, M. Yamashita, T. Ito, N. Iki, T. Horiuchi, *Structures and photophysical properties of lanthanoid complexes supported by a calixarene derivative*, Pacificchem 2005, Hawaii, 15-20 Dec 2005.

**50.** Y. Kawazoe, F. Cimpoesu, Marilena Ferbinteanu Cimpoesu and M. Yamashita, *A Single Chain Magnet Case Study.*, Institute of Material Science Session –Sendai, Tohoku, 26-27 Mai 2005.

49. Marilena Ferbinteanu Cimpoesu, T. Kajiwara, H. Nojiri, A. Nakamoto, N. Kojima, S. Takaishi and M. Yamashita, *Synthesis and Magneto-Structural Analysis for a New Series of d-f heterometallic complexes*, The 55<sup>th</sup> edition of the Conference of the Japanese Coordination Chemistry Society (55 Sakutou) Niigata, Japan, 23-27 Sept 2005.

## 2004

48. Marilena Ferbinteanu, H. Miyasaka, M. Yamashita and F. Cimpoesu  
*Single Chain Magnets*.  
4th International Conference of the Chemical Societies of the South-East European Countries on Chemical Sciences in Changing Times: Visions, Challenges and Solutions, Belgrade, Serbia and Montenegro, 18-21 July 2004, comunicare

47. F. Cimpoesu, Marilena Ferbinteanu, K. Hirao  
*The Mechanism of Ferromagnetic Coupling in Cu(II)-Gd(III) Complexes*.  
4th International Conference of the Chemical Societies of the South-East European Countries on Chemical Sciences in Changing Times: Visions, Challenges and Solutions, Belgrade, Serbia and Montenegro, 18-21 July 2004, poster.

46. E. Horn, K. Miyamoto, M. Sakamoto, Marilena Ferbinteanu, R. Koizumi, C. Tanaka, A. Shinohara, Y. Fukuda  
*Synthesis and structural studies of [Ni(tmen)(L2)XY] (1), [Ni(tmen)(L2)Y2]X.2Y (2) and [Ni(bipy)(L2)(NO2)] (3) type complexes, and the formation of [Ni(tmen)X1.33(OH)0.33]3.X trimers (4)*.  
The 36th International Conference On Coordination Chemistry, July 18 - 23, 2004, Mérida Yucatán, México, comunicare.

45. C. Tanaka, E. Horn, K. Miyamoto, M. Sakamoto, Marilena Ferbinteanu, Y. Fukuda  
*Synthesis and X-ray structure analysis of selected Ni(II) complexes, [Ni](L2N)(LNO)(H2O).2X (1), and [Ni(L2N)(L2O)(Ls)] (2)*.  
The 36th International Conference On Coordination Chemistry, July 18 - 23, 2004, Mérida Yucatán, México, poster.

44. F. Cimpoesu, K. Hirao H. Miyasaka, Marilena Ferbinteanu, M. Yamashita  
*New Orbital Mechanisms for Exchange Coupling in Jahn-Teller Type Complexes. Vibronic and Spin Coupling. Models and Applications*.  
1th Asian Pacific Conference on Chemistry, Okazaki, Japan, 12-15 May 2004, poster.

43. Marilena Ferbinteanu, H. Miyasaka, K. Nakata, K. Sugiura, M. Yamashita  
*A Novel Single-Chain Magnet of Mn(III) Schiff-base Complex with Hexacyanometalate (III)*.  
84th Conference of the Japanese Chemical Society, Osaka, Japan, 26-29 March 2004, poster.

42. Marilena Ferbinteanu  
*A Novel Single-Chain Magnet of Mn(III) Schiff-Base Complex with Hexacyanometalate(III)*.

36th Symposium of Inorganic Materials, organizer Prof. Masahiro Yamashita, Tokyo Metropolitan University, Department of Chemistry, Graduate School of Science, Tokyo, Japan, 27 January 2004, conferinta invitata.

**2003**

**41. Marilena Cimpoesu**

*"Perspectives of the bonding effects in new coordination compounds with ligands providing a small-bite angle."*

*Invited lecture in the Symposium of Inorganic Materials, organizer Prof. Masahiro Yamashita*

*Tokyo Metropolitan University, Department of Chemistry, Graduate School of Science, Tokyo, Japan,*

*21 August 2003*

**40. Marilena Cimpoesu**

*"Experimental organometallic and coordination chemistry in the key of revisited fundamental theoretical concepts: hybridisation, aromaticity, misdirected lone pairs."*

*Invited lecture in the Seminar of Inorganic Chemistry, organizer Prof. Norimichi Kojima,*

*The University of Tokyo, Graduate School of Arts and Sciences, Tokyo, Japan, 26 July 2003*

**39. Marilena Ferbinteanu, K. Miyamoto, S. Tanase, C. Tanaka, E. Horn and Y. Fukuda**

*"Special Structural Features of Chelating Nitrite and  $\beta$ -Diketonate Ligands In The New Nickel(II) Mixed Ligand Complexes."*

*19<sup>th</sup> International Conference On Coordination And Bioinorganic Chemistry, Smolenice,*

*Slovakia, 2-6 June 2003*

**38. M. Sakamoto, K. Miyamoto, M. Ferbinteanu, C. Tanaka, E. Horn and Y. Fukuda**  
*"Synthesis And Characterization (In Solid State and Solution) of Ni(II) Mixed Ligand Complexes with N-alkylated Ethylenediamine (diam),  $\beta$ -diketonate(dike) and Halide Anion (X), Ni(diam)(dike)X.n(solvent)."*

*19<sup>th</sup> International Conference On Coordination And Bioinorganic Chemistry, Smolenice,*

*Slovakia, 2-6 June 2003*

**37. Marilena Ferbinteanu**

*"Structural Aspects in Distorted Coordination Compounds Formed with Small bite angle Ligands."*

*Workshop, organizer Prof. Ernst Horn, Rikkyo University, Faculty of Chemistry, Department of Chemistry, Tokyo, Japan, 23 May 2003*

**2002**

**36. Marilena Ferbinteanu, F.Cimpoesu, Herbert W. Roesky**

*Inorganic polymers through a spectacular case of breaking C-O bond by Lewis acidity of aluminum.*

3rd International Conference of the Chemical Societies of the South-Eastern European Countries on "Chemistry in the New Millennium-an Endless Frontier", Bucharest, Romania, 22-25 September **2002**. (P)

**35. Marilena Cimpoesu**

*The thermochromic properties of the coordination compounds*

Invited lecture in the Symposium of the Ochanomizu University, Tokyo, Japan, 20 June **2002**.

**2001**

**34. Marilena Cimpoesu, F. Cimpoesu, H. W. Roesky, G. Bai, N. C. Mösch-Zanetti**  
*Perspectives of the bonding effects in new titanium-nitrogen coordination compounds.*

18<sup>th</sup> International Conference on Coordination and Bioinorganic Chemistry, Smolenice, Slovakia, 4-8 June **2001**.

**2000**

**33. S. Tanase, Marilena Cimpoesu, M. Andruh, G. Rombaut, C. Mathoniere, O. Kahn, T. Maris, I. Strenger**

*Supramolecular polimetallic architectures with cyanide-bridge. Synthesis, structural characterization and magnetic properties.*

The XXVI<sup>th</sup> National Session of Scientific Communications, Caciulata-Valcea, Romania, October 4-6, **2000**.

**32. M. Ferbinteanu, H. W. Roesky, A. Stasch, F. Cimpoesu, S. Köpke**

*Hard and Soft Interactions in the Chemistry of Organo-Fluoro Metalates. III<sup>rd</sup> International Conference on Progress in Inorganic and Organometallic Chemistry, Polanica Zdroj, Poland, September 17-22, 2000.*

**31. M. Cimpoesu**

*A Random Walk in the properties of metal Ion Compounds*

Invited lecture in the Professor H. W. Roesky's Group Seminar, Institut für Anorganische Chemie, Göttingen, Deutschland, June 19, **2000**.

**30. M. Cimpoesu**

*Hard and Soft Interactions for Generating New catalysts.*

Alexander von Humboldt, Chemie und Geowissenschaften Symposium, Düsseldorf, Deutschland, Februar 18-23, **2000**.

**1999**

**29. M. Cimpoesu, M. Andruh, F. Cimpoesu, E. Segal**

*Modelarea completa a cineticii neizoterme a lanturilor de reactie in faza solida din descompunerea termica a compusilor coordinativi ionici.*  
The XXV<sup>th</sup> National Sesion of Scientific Communications, Caciulata-Valcea, Romania, October, **1999.** (P)

- 28.** M. Ferbinteanu, M. Andruh, F. Cimpoesu, S. Tanase  
*On the thermochromic properties of the complex anion – complex cation type coordination compounds.*  
The XVII<sup>th</sup> Conference on Coordination Chemistry, Smolenice, Slovakia, June 7-11, **1999.**

**1998**

- 27.** Marilena Ferbinteanu, M. Andruh, I. Suhay:  
*"Solid State Chemistry and Thermochromism of  $[M(AA)_3][M'X_4]$  Complexes."*  
1<sup>st</sup>International Conference of the Chemical Societies of the South-East European Countries, Halkidiki, Greece, June 1-4, 1998
- 26.** Marilena Ferbinteanu, S. Tanase, G. Marinescu, M. Andruh, Y. Jounaux, I. Suhay:  
*"New Heteropolynuclear Cyanides and Oxalato Complexes Synthesis, Crystal Structures and magnetic properties."*  
1<sup>st</sup>International Conference of the Chemical Societies of the South-East European Countries, Halkidiki, Greece, June 1-4, 1998
- 25.** Marius Andruh, Fernande D. Rochon, Marilena Ferbinteanu, Stefania Tanase, Gabriela Marinescu and Yves Jounaux:  
*"New Heteropolynuclear Cyanides and Oxalato Complexes. Synthesis, Crystal Structures and Magnetic Properties."*  
XXXIII International Conference on Coordination Chemistry, Florence, Italy, August 30-September 4, 1998
- 24.** Marilena Ferbinteanu, Fanica Cimpoesu, Marius Andruh, Fernande D. Rochon, Irina Suhay:  
*"Solid State Chemistry and Thermochromism in  $[M(AA)_3][M'X_4]$  Complexes."*  
XXXIII International Conference on Coordination Chemistry, Florence, Italy, August 30-September 4, 1998
- 23.** S. Tanase, M. Cimpoesu, M. Andruh, G. Marinescu, I. Suhay  
*"Thermochromic phases transition in heteropolynuclear cyanides complexes."*  
A IX-a Conferinta de Chimie Fizica, Galati, 23-25 septembrie 1998
- 22.** M. Cimpoesu, F. Cimpoesu, M. Andruh  
*"Electronic and spectral particularities of the chromophores from coordination compounds displaying thermochromic properties."*  
A IX-a Conferinta de Chimie Fizica, Galati, 23-25 septembrie 1998
- 21.** M. Cimpoesu, N. Dragoie, E. Segal  
*"Kinetic aspects of solid phase transfer of neutral ligands in coordination compound lattices."*  
A IX-a Conferinta de Chimie Fizica, Galati, 23-25 septembrie 1998
- 20.** Marilena Ferbinteanu, F. Cimpoesu, I. Suhay, M. Andruh  
*"Factori topologici in reactiile de migrare a liganzilor in faza solida si implicatiile sintetice subsecvente."*  
A XXIV-a Sesiune Nationala de Comunicari Stiintifice, Caciulata-Valcea,

7-9 octombrie 1998

19. M. Andruh, Marilena Cimpoesu, Stefania Tanase  
*"Strategii de sinteza privind obtinerea de sisteme heteropolimetalice cu puncti cianura."*  
A XXIV-a Sesiune Nationala de Comunicari Stiintifice, Caciulata-Valcea,  
7-9 octombrie 1998
18. M. Andruh, Marilena Cimpoesu, D. Visinescu, G. Marinescu  
*"Sisteme heteropolimetalice cu unitati buiding block [Cr(AA)(C<sub>2</sub>O<sub>4</sub>)<sub>2</sub>], AA=dipy, phen."*  
A XXIV-a Sesiune Nationala de Comunicari Stiintifice, Caciulata-Valcea,  
7-9 octombrie 1998

## 1997

17. Marilena Cimpoesu, F.Rochon, M.Andruh:  
*"Termocromism si reactii de migrare a liganzilor in stare solida."*  
*"Zilele Academice Timisene"*, ed.V., Timisoara, 22-24 mai 1997
16. Marilena Cimpoesu, M.Andruh, F.Cimpoesu:  
*"Consideratii de structura electronica asupra migrarii termocrome a liganzilor"*  
A XXII-a Sesiune de Comunicari Stiintifice, Caciulata Vilcea, 8-10 oct.1997
15. S.Tanase, G.Marinescu, Marilena Cimpoesu, M.Andruh:  
*"Proprietati termocrome datorate fenomenelor de dezordonare dinamica in sistemele complexe cationice de tip bis-chelati ai Cu(II), Ni(II)."*  
Conferinta de Chimie si Inginerie Chimica, ed. X, Bucuresti, 16-18 oct. 1997
14. G.Marinescu, S.Tanase, Marilena Cimpoesu, M.Andruh:  
*"Sisteme de tip cation complex - anion complex, precursori moleculari pentru obtinerea de sisteme supramoleculare."*  
Conferinta de Chimie si Inginerie Chimica, ed. X, Bucuresti, 16-18 oct. 1997

## 1996

13. C.Guran, M.Barboiu, A.Meghea, I.Jitaru, Marilena Cimpoesu, D.Berger, P.Diaconescu, M.Bojin:  
*"Complex Compunds of Cu(II) with substituted cyclophosphazatriene derivatives."*  
The XII-th Conference "Physical Methods in Coordination and Supramolecular Chemistry", 17-19 sept. 1996
12. M.Andruh, F.Rochon, Marilena Cimpoesu:  
*"Structura cristalina si reactiile in faza solida ale unor combinatii complexe de tip cation complex - anion complex."*  
A VIII-a Conferinta de Chimie Fizica, Bucuresti, 25-27 sept.1996
11. Marilena Cimpoesu, M.Andruh, A.Meghea, S.Tanase, G.Marinescu, T.Albu:  
*"Comportarea termica a unor combinatii complexe de tip cation complex - anion complex."*  
A VIII-a Conferinta de Chimie Fizica, Bucuresti, 25-27 sept.1996

## 1995

10. C.Guran, I.Jitaru, M.Barboiu, Marilena Cimpoesu, V.Popescu, I.Bita:

*"Combinatii complexe ale unor metale 3d cu derivati p-aril substituiti ai fosfazenei."*

Conferinta de Chimie si Inginerie Chimica, ed. IX, Bucuresti, oct.1995

## 1994

9. M.Brezeanu, A.Antoniu, M.Andruh, Marilena Cimpoesu:  
*"Combinatii complexe polinucleare ale unor elemente '3d' cu liganzi ce contin S si N ca atomi donori."*  
Simpozion jubiliar "75 ani de invatamint chimic romanesc la Alma Mater Napocensis", Cluj, 20-21 mai 1994
8. Marilena Cimpoesu, F.Cimpoesu, C.Onutu, L.Patron:  
*"Consideratii asupra aspectelor de structura electronica in formarea combinatiilor complexe de tip oxotrinucleare."*  
A VII-a Conferinta de Chimie Fizica, Bucuresti, 21-23 sept.1994
7. M.Andruh, M.Brezeanu, Marilena Cimpoesu, N.Dragoe, E.Segal:  
*"Noi studii si consideratii privind fenomenele de termocromism in sistemele anion complex - cation complex."*  
A VII-a Conferinta de Chimie Fizica, Bucuresti, 21-23 sept.1994
6. M.Brezeanu, A. Antoniu, O.Carp, Marilena Cimpoesu, D.Dragoe:  
*"Combinatii complexe polinucleare cu valenta mixta"*  
A VII-a Conferinta de Chimie Fizica, Bucuresti, 21-23 sept.1994

## 1993

5. Marilena Cimpoesu:  
*"Relevanta efectului Jahn-Teller si a schimbarilor structurale pentru combinatii complexe termocrome, avind ca ion metalic component, ionul de Cu(II)"*  
Seminar Stiintific, Laboratorul de Chimie Cuantica, Institutul de Chimie al Academiei de Stiinte, Moldova, Chisinau, 17 aprilie 1993
4. M.Brezeanu, L.Patron, A.Antoniu, Marilena Cimpoesu, F.Cimpoesu, C.Onutu:  
*"Aspecte particulare privind sinteza si caracteristicile structurale ale combinatiilor  $\mu_3$  - oxo-trinucleare."*  
Conferinta Nationala de Chimie si Inginerie Chimica, Bucuresti, 29-30 oct.1993

## 1992

3. M.Brezeanu, E.Segal, Marilena Cimpoesu, N.Dragoe:  
*"Combinatii complexe cu proprietati termocrome"*  
A VI-a Conferinta de Chimie Fizica, Bucuresti, 23-25 sept.1992
2. M.Brezeanu, C.Supuran, Marilena Cimpoesu:  
*"Combinatii complexe cu liganzi cationici"*  
A VI-a Conferinta de Chimie Fizica, Bucuresti, 23-25 sept.1992
1. M.Brezeanu, A.Antoniu, E.Cristurean, D.Marinescu, Marilena Cimpoesu:  
*"Combinatii complexe de tip baza Mannich"*  
A VI-a Conferinta de Chimie Fizica, Bucuresti, 23-25 sept.1992

## Sesiuni de comunicari ale studentilor

### 2023

1. Luntraru, A. M.; Ferbinteanu, M., *Synthesis and Structural Analysis in a New Series of Mn(III) complexes*, Sesiunea de comunicari stintifice a studentilor, Facultatea de Chimie, 26-27 Mai 2023. (licenta)
2. Zamfirescu, A.; Ferbinteanu, M., *Synthesis and Structural Particularities of d-f Ionic Complexes*, Sesiunea de comunicari stintifice a studentilor, Facultatea de Chimie, 26-27 Mai 2023. (licenta)
3. Troana, D.; Matache, C.; Ferbinteanu, M., *Syntheses and Crystal Structures of the Metal Complexes Based on Pyrazole-carboxylic Acid Ligands.*, Sesiunea de comunicari stintifice a studentilor, Facultatea de Chimie, 26-27 Mai 2023. (licenta)

### 2021

1. Nicorici, R.; Ferbinteanu, M., *Structural and Spectral Characterization of Metal Complexes with 2-Pyridyl Aldoxime*, Sesiunea de comunicari stintifice a studentilor, Facultatea de Chimie, 28-29 Mai 2021. (licenta)
2. Toma, A.; Ferbinteanu, M., *Structural and Computational Characterization for a new Hexanuclear Copper(II) Complex*, 17th International Conference "Students for Students", Cluj, Romania, April 21-24, 2021.(licenta)
3. Lungeanu, A.; Ferbinteanu, M., *Spin states in Mn(III) complexes with ligands exerting strong field regime*, 17th International Conference "Students for Students", Cluj, Romania, April 21-24, 2021.(master)
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