

Personal Details:

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Date and Place of Birth : 20<sup>th</sup> November 1980, Patras, Greece  
Nationality : Greek  
Marital Status : Married

Academic Background:

- **October 1998 - April 2003: B.Sc. in Chemistry**, University of Patras, Patras, Greece.
- **April 2003 - September 2006: Ph.D. in Inorganic Chemistry**, Department of Chemistry, University of Patras, Patras, Greece.
- **October 2006 - December 2008: Adjunct Post-Doctoral Fellow**, Department of Chemistry, University of Florida, Gainesville FL, USA.
- **October 2010 - June 2012: Temporary Lecturer of Chemistry**, Departments of Chemistry and Materials Science, University of Patras, Patras, Greece.
- **August 2011 - June 2012: Chemistry Laboratory Affiliate**, Hellenic Open University, Patras, Greece.
- **July 2012 - today: Assistant Professor of Inorganic Chemistry**, Chemistry Department, Brock University, St. Catharines, Ontario, Canada.

Research Experience:

- **September 2002 - April 2003: Undergraduate Research (“Research Thesis”)** (Supervisor: Professor Spyros P. Perlepes).  
Department of Chemistry, University of Patras, Patras, Greece.  
Project Title: «*Synthesis and Characterization of Polynuclear Manganese Compounds*».
- **April 2003 - September 2006: Graduate Research in the Context of Ph.D.** (Supervisor:

Professor Spyros P. Perlepes).

Department of Chemistry, University of Patras, Patras, Greece.

Dissertation: «*Polynuclear Complexes of Cr, Mn, Fe, Co and Ni with 2-Pyridyl Oximes and Pyridyl Alcohols as Organic Ligands: Synthesis, Crystal Structure, Chemical Reactivity and Magnetic Properties*».

- **October 2006 - December 2008: Post-Graduate Research in the Context of Postdoctoral Fellowship** (Supervisor: Drago Professor George Christou).

Department of Chemistry, University of Florida, Gainesville FL, USA.

Projects Titles: (1) «*New Synthetic Aspects Towards Molecular Nanoscience: High-Nuclearity, High-Spin Molecules and Single-Molecule Magnets*». (2) «*Synthesis, Structural Characterization and Chemical Reactivity of New Cyclic Complexes of 3d-Metal Ions: A Reversible Size Modification Approach*».

Visiting Studentships - Research Exchange Scholar:

- **September 2004 - January 2005:**

(Supervisors: Associate Professor Costas Patrickios, Senior Lecturer Anastasios Tasiopoulos).

Department of Chemistry, University of Cyprus, Nicosia, Cyprus.

«*Synthesis, Structural Characterization and Physicochemical Properties of 1-, 2-, and 3-Dimensional Coordination Polymers of Copper(II)*».

- **February 2005 - April 2005:**

(Supervisor: Professor Richard E. P. Winpenny).

Department of Chemistry, University of Manchester, Manchester, UK.

«*Polynuclear Complexes of Chromium(III): Synthesis, Structural Characterization and Magnetic Studies*».

- **August 2005 - September 2005:**

(Supervisors: Associate Professor Costas Patrickios, Senior Lecturer Anastasios Tasiopoulos).

Department of Chemistry, University of Cyprus, Nicosia, Cyprus.

«*Single-crystal X-ray Diffraction Studies on Unprecedented Molecular 3d-Metal Complexes*».

- **October 2005 - March 2006:**

(Supervisor: Drago Professor George Christou).

Department of Chemistry, University of Florida, Gainesville FL, USA.

«*Polynuclear High-Spin Molecules and Single-Molecule Magnets of Manganese*».

Teaching Experience:

- **April 2003 - September 2005: Teaching Assistantship and Laboratory Training**
  - a) *Inorganic Chemistry* in the Chemistry Department (10/2003 - 1/2004).
  - b) *General Chemistry* in the Geology Department (2/2003 - 6/2003).
  - c) *Nuclear Chemistry and Radiochemistry* in the Chemistry Department (2/2004 - 6/2004 and 2/2005 - 6/2005).
- **March 2008: Teaching Assistantship**

*Characterization of Paramagnetic Molecules* in the Chemistry Department of the University of Florida, USA.
- **October 2010 - June 2012: Teaching (Lectures and Laboratory Courses)**
  - a) *General Chemistry* in the Chemistry Department of the University of Patras, Greece.
  - b) *Inorganic Chemistry II & III* in the Chemistry Department of the University of Patras, Greece.
  - c) *Chemistry I* and *Chemistry II* in the Materials Science Department of the University of Patras, Greece.
  - d) *General Chemistry* in the Biology Department of the University of Patras, Greece.
  - e) *General Chemistry* in the Geology Department of the University of Patras, Greece.
- **August 2011 - June 2012: Teaching Laboratory Courses**

*Inorganic and Physical Chemistry* in the Hellenic Open University, Patras, Greece.
- **September 2012 - today: Lectured Courses**
  - a) *Advanced Coordination Chemistry* in the Chemistry Department of Brock University, St. Catharines, ON, Canada.
  - b) *Biological Inorganic Chemistry* in the Chemistry Department of Brock University, St. Catharines, ON, Canada.
  - c) *Advanced Methods for Materials Characterization* in the Chemistry Department of Brock University, St. Catharines, ON, Canada.
  - d) *Organometallics in Organic Synthesis* in the Chemistry Department of Brock University, St. Catharines, ON, Canada.
  - e) *Transition Metal Chemistry* in the Chemistry Department of Brock University, St. Catharines, ON, Canada.
  - f) *Direct Readings in Chemistry* in the Chemistry Department of Brock University, St. Catharines, ON, Canada.
  - g) *Chemical Principles and Properties* in the Chemistry Department of Brock University, St. Catharines, ON, Canada.

Supervisor:

**Undergraduate Students (“Undergraduate Research Thesis”)**

1. Dimitris I. Alexandropoulos  
(Chemistry Department, University of Patras, Greece)  
Present position: PhD student, Chem. Dept., Brock University
2. Evangelia S. Koumoussi  
(Chemistry Department, University of Patras, Greece)  
Present position: PhD student, University of Bordeaux, France (supervisors: Profs. Rodolphe Clérac and Corine Mathionaire)
3. Theodora Theodosopoulou  
(Chemistry Department, University of Patras, Greece)  
Present position: Graduate student - Medicinal Chemistry (Italy)
4. Stavroula Katsayani  
(Chemistry Department, University of Patras, Greece)  
Present position: Graduate student at the Chem. Dept., Univ. of Patras - organic chemistry and biochemistry
5. Haroula Savvidi  
(Chemistry Department, University of Patras, Greece)  
Present position: Graduate student at the Chem. Dept., Univ. of Patras
6. Anastasia Rotzamani  
(Chemistry Department, University of Patras, Greece)  
Present position: MSc student, Chem. Dept., Univ. of Patras (supervisor: Prof. Spyros P. Perlepes)
7. Ourania Mpistola  
(Chemistry Department, University of Patras, Greece)  
Present position: MSc student, Chem. Dept., Univ. of Patras (supervisor: Prof. Spyros P. Perlepes)
8. Ioanna Mantaloufa  
(Chemistry Department, University of Patras, Greece)  
Present position: Graduate student at the Chem. Dept., Univ. of Patras
9. Ammarah Soofi  
(Chemistry Department, Brock University, ON, Canada)  
Present position: MD/PhD student at Western University, ON, Canada

10. Paul Richardson  
(Chemistry Department, Brock University, ON, Canada)  
Present position: MSc student, Chem. Dept., Brock University
11. Jacob Sitko  
(Chemistry Department, Brock University, ON, Canada)  
Present position: unknown
12. Cameron Arenburg  
(Chemistry Department, Brock University, ON, Canada)  
Research Assistant (May-August 2015): funded by “Match of Minds” program of Brock Univ.  
Present position: working in private sector
13. Marco D’Orante  
(Chemistry Department, Brock University, ON, Canada)  
Present position: pending (started Sept. 2015)

**Post-graduate Students (M.Sc. Degrees)**

1. Dimitris I. Alexandropoulos (M.Sc. - defended on June 2012)  
(Chemistry Department, University of Patras, Greece)
2. Evangelia S. Koumoussi (M.Sc. - defended on March 2012)  
(Chemistry Department, University of Patras, Greece)
3. Angeliki Athanasopoulou (M.Sc. - defended on August 2015)  
(Chemistry Department, Brock University, ON, Canada)
4. Panagiota Perlepe (M.Sc. - pending)  
(Chemistry Department, Brock University, ON, Canada)
5. Paul Richardson (M.Sc. - pending)  
(Chemistry Department, Brock University, ON, Canada)

**Post-graduate Students (Ph.D. Degrees)**

1. Dimitris I. Alexandropoulos (Ph.D. - defended on December 2015)  
(Chemistry Department, Brock University, ON, Canada)
2. Dimosthenis P. Giannopoulos (Ph.D. - pending)  
(Chemistry Department, Brock University, ON, Canada)
3. Eleni C. Mazarakioti (Ph.D. - pending)  
(Chemistry Department, Brock University, ON, Canada)

4. Alysha Alaimo (Ph.D. - pending)  
(Chemistry Department, Brock University, ON, Canada)
5. Despoina Dermitzaki (Ph.D. / co-supervisor - defended on June 2015)  
(Chemistry Department, University of Patras, Greece)

Fellowships and Grants (2003-2012):

- «**C. KARATHEODORY**», Postgraduate Fellowship, University of Patras (1/4/2003 - 31/3/2005).
- «**GREEK GENERAL SECRETARIAT OF RESEARCH AND TECHNOLOGY AND THE BRITISH COUNCIL**», Britain - Greece Joint Research and Technology Programmes (1/3/2003 - 1/4/2005).
- «**PHD-20 (HPMT-CT-2001-00421)**», Marie-Curie Research Training Site, University of Cyprus (1/9/2004 - 1/2/2005).
- «**GREEK GENERAL SECRETARIAT OF RESEARCH AND TECHNOLOGY**», Pythagoras Grant, Graduate and Postdoctoral Fellowship, University of Patras (1/4/2004 - 1/4/2005).
- «**CHEMISTRY RESEARCH IN SINGLE MOLECULE NANO MAGNETS**», National Science Foundation (10/10/2005 - 31/3/2006).
- «**CHEMISTRY RESEARCH IN SINGLE MOLECULE NANO MAGNETS**», National Science Foundation (1/10/2006 - 13/12/2008). Postdoctoral Fellowship.
- «**SCHLORASHIP FROM IKY**», Greek National Institute of Scholarships (1/1/2011 - 1/1/2012). Research Fellowship for Individual Researchers.
- «**RESEARCH FUND GRANT**», Royal Society of Chemistry (RSC) (1/1/2011 - 1/10/2011, 1/1/2012-1/10/2012). Research Fellowship for Chemicals and Glassware.

Current Funding (2012-2015; since Brock's appointment):

- «**ADVANCED LIGHT SOURCE**», 2012 - 2015.  
Ongoing Research Fellowship for Accessing Synchrotron Radiation and Crystallography Facilities, Advanced Light Source, Lawrence Berkeley National Lab, Berkeley, CA, USA.
- «**MOBILITY GRANT**», 2013. Embassy of France in Canada.  
Mobility Fellowship for Research and Academic Purposes.  
Title: "Photomagnetic studies in single-molecule magnets containing optically-active organic ligands as a means of altering their static and dynamic magnetic properties".  
Budget: Transportation, accommodation, research expenses, etc.
- «**NSERC DISCOVERY GRANT**», 2013-2017. Natural Sciences and Engineering Research

Council of Canada.

Title: “Towards the synthesis of multifunctional molecular materials displaying dual physical properties”.

Budget: \$170,000

- «**BSIG/BUAF RESEARCH SEED GRANT**», 2013-2014. Brock University.

Title: “Towards the synthesis of multifunctional molecular materials displaying dual physical properties”.

Budget: \$4,986

- «**BUAF SPECIAL PURPOSE GRANT**», 2014. Brock University.

Title: “International Conference on Molecular Magnetism, Saint Petersburg Russia 2014”.

Budget: \$1,000

- «**NSERC RESEARCH TOOLS AND INSTRUMENTS**», 2014.

Title: “X-ray diffraction apparatus for innovative and multidisciplinary research”.

Budget: \$147,520 (Co-applicant)

- «**HUMBOLDT RESEARCH FELLOWSHIP FOR EXPERIENCED RESEARCHERS**», 2015-2017. Alexander von Humboldt Foundation.

Title: “Molecular Magnetic Coolants Using Azido and Organic Radicals as Bridging Ligands”.

Budget: Lump sum that includes research expenses, accommodation, transportation and other living costs.

- «**EARLY RESEARCHER AWARDS**», 2015-2020. Ontario Ministry of Research and Innovation.

Title: “Molecular Magnetic Refrigerants for Ultra-low Temperature Cooling: A ‘Green’ and Energy Efficient Alternative to Helium-3”.

Budget: \$100,00 (+ \$62,000 matching contribution from Brock)

- «**MATCH OF MINDS / INQUIRING MINDS**», 2015. Brock University.

Title: “Synthesis and Characterization of Polynuclear Manganese Complexes bearing Optically-active Organic Ligands”.

Budget: \$4,500

- «**BUAF SPECIAL PURPOSE GRANT**», 2015. Brock University.

Title: “The 6<sup>th</sup> North America-Greece-Cyprus Workshop on Paramagnetic Materials in Athens, Greece”.

Budget: \$1,000

Awards and Academic Distinctions:

- **YOUNG INVESTIGATOR AWARD - American Chemical Society 2007** (provided by the Division of Inorganic Chemistry).

The ceremony and receipt of the award were held at the 234<sup>th</sup> National American Chemical Society Meeting, Boston, USA, August 19-23, 2007, in which I gave a 45 min talk.

- **ADocMolMag AWARD - An European Award on Molecular Magnetism Doctoral Thesis** for the best PhD thesis in Molecular Magnetism and related fields, Florence, Italy, 2008. Provided by the MAGMANet - European Network of Excellence.

The ceremony and receipt of the award were held at the 11<sup>th</sup> International Conference on Molecule-based Magnets, Florence, Italy, September 21-25, 2008, in which I gave a 15 min talk.

- **EMERGING INVESTIGATORS, Royal Society of Chemistry 2010**

Special Issue in the journal *Chemical Communications* with selected papers from young investigators.

#### Member of Scientific Societies:

- American Chemical Society (ACS)
- Canadian Chemical Society (CCS)
- Royal Society of Chemistry (MRSC)
- Association of Greek Chemists

#### Experimental Techniques and Skills:

- *Synthesis* of metal complexes (monomers, clusters, coordination polymers).
- *Synthesis* of oximato- and Schiff-base organic ligands.
- *Synthesis* of chiral organic ligands.
- *Solvothermal* and *Hydrothermal* techniques.
- *Microwave* synthesis of metal complexes.
- *Purification* of metal compounds.
- *Crystallization* (growth of single crystals) of chemical compounds.
- *Mounting* and *collecting data* on single crystals of compounds using X-ray diffractometers.
- *Characterization* of solid-state materials using *powder X-ray diffraction techniques*.
- *Characterization* and *study* of chemical compounds with *thermal techniques* (TG/DTG, DTA, DSC), *electrochemistry* and *cyclic voltammetry (CV)*, *spectroscopic methods* (IR, far-IR, Raman, UV/VIS, Mössbauer, EPR, HFEP, NMR, Mass-spec (ES, EI, MALDI), and *elemental analysis*.
- *Determination* of the *optical properties* of coordination compounds using *fluorescent*



*spectrophotometers and circular dichroism instrumentation.*

- *Complete Magnetic Characterization* of chemical compounds using the *SQUID* setup and *simulation of the experimental data to theoretical models.*
- *Complete Electronic and Mechanical Maintenance of the SQUID magnetometer apparatus* and its *accompanying supplies.*
- *Qualitative and quantitative analysis* of metal ions using instrumental methods.
- *Qualitative and quantitative analysis* of fuels, lubricants, oil fluids and greases using instrumental methods (\*\*expertise gained during my military service in the chemistry laboratory of the Greek army, see below).
- *Writing scientific papers.*
- *Writing and submitting research proposals.*
  
- *Computer working environments (DOS/WINDOWS).*
- *Molecular visualization/modeling/fitting* (CS ChemOffice, ChemWin, Exhibit, Alchemy, Res2ins, RASMOL, Review, Struplo, Ortep, Platon99, Ortex7, IsisDraw, WinGX platform, VaList, Mercury, Gretep, Origin, CorelDraw, ChemDraw, SciFinder, Diamond 2.1, Diamond 3.1, Sigma-Plot, Magnet, Grid, ACD/2D NMR Processor 10.0, PHI software, MANGELAN software).
- *Usage of Cambridge Structural Database.*

Languages:

- Greek (Native).
- English (Fluent).

Books - Notes:

- **Th. C. Stamatatos**,  
“Laboratory Chemistry Guide”, Geology Department, University of Patras, Patras 2012, Greece.  
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Military Service (obligatory for Greek citizens):

- Greek Air Force, Chemistry Lab Advisor: February 2009 - February 2010

Workshops and Advanced Training Courses:

- «Growth and Design of Medical Products»,

- 2<sup>nd</sup> Conference, Department of Chemistry, University of Patras, Patras, Greece, March 1-3, 2001.*
- «Growth and Design of Medical Products»,  
*3<sup>rd</sup> Conference, Department of Chemistry, University of Patras, Patras, Greece, March 5-7, 2002.*
  - «Bioactive Peptides»,  
*3<sup>rd</sup> Greek Forum, University of Patras, Patras, Greece, April 9-13, 2002.*
  - «Advanced Materials: Summer School»,  
*Institute of Materials Science, NCSR “Demokritos”, Athens, July 14-18, 2003.*
  - «Molecular Magnetism Days at Patras»,  
*A Series of Seminars, Department of Chemistry, University of Patras, Patras, Greece, May 19-21, 2004.*
  - «Characterization of Paramagnetic Molecules»,  
*Department of Chemistry, University of Florida, USA, Gainesville, Florida, US, October-December, 2005.*
  - «Current Trends in Nanoscopic and Mesoscopic Magnetism»,  
*Magnetism Symposium held in Santorini, Greece, September 6-9, 2006.*
  - “Fifteenth Symposium on the Latest Trends in Organic Synthesis”,  
*Brock University, St. Catharines, Ontario, Canada, August 08-11, 2012.*

Presentations in Conferences, Meetings and Workshops:

1. **Th. C. STAMATATOS**, C. J. MILIOS, C. P. RAPTOPOULOU, A. TERZIS and S. P. PERLEPES,  
“2-benzoylpyridine and its Oxime in Polynuclear Manganese Carboxylate Chemistry. A Linear Trinuclear Mn(II) Complex and an Octanuclear Mixed-Valent Cluster, Featuring the Novel  $[\text{Mn}_8^{\text{II/III}}(\mu_4\text{-O})_2(\mu_3\text{-OH})_2]^{14+}$  Core”,  
*19<sup>th</sup> Panhellenic Conference on Chemistry, University of Crete, Irakleio, Greece, November 6-10, 2002, p. 210 in the Book of Abstracts, Poster Presentation.*
2. C. J. MILIOS, **Th. C. STAMATATOS**, C. P. RAPTOPOULOU, R. VICENTE, A. ESCUER and S. P. PERLEPES,  
“Use of 2-pyridyl Ketones and their Oximes for the Assembly of Manganese Clusters”,  
*7<sup>th</sup> FIGIPS Meeting in Inorganic Chemistry, Lisbon, Portugal, June 11-14, 2003, p. 307 in the Book of Abstracts, Poster Presentation.*
3. **Th. C. STAMATATOS**, I. KATSOULIS, C. P. RAPTOPOULOU and S. P. PERLEPES,  
“Cobalt Complexes with 2-pyridyl Aldoxime”,

- 11<sup>th</sup> Panhellenic Symposium on Medical Chemistry*, Patras, Greece, January 23-24, 2004, p. 27 in the Book of Abstracts, Talk by TCS.
4. **Th. C. STAMATATOS**, G. S. PAPAEFSTATHIOU, L. R. MacGILLIVRAY and S. P. PERLEPES,  
“Coordination Chemistry with Solid State Organic Ligands”,  
*1<sup>st</sup> Panhellenic Symposium on Green Chemistry*, Athens, Greece, February 27-28, 2004, p. 55 in the Book of Abstracts, Poster Presentation.
5. S. P. PERLEPES, **Th. C. STAMATATOS**, C. J. MILIOS, E. DIAMANTOPOULOU, R. VICENTE and A. ESCUER,  
“Use of 2-pyridyl Oximes for the Assembly of 3d-Metal Clusters”,  
*XXXVI<sup>th</sup> International Conference on Coordination Chemistry*, Merida-Yucatan, Mexico, July 18-23, 2004, p. 309 in the Book of Abstracts, Talk by SPP.
6. **Th. C. STAMATATOS**, K. STOUMPOS, C. J. MILIOS, C. P. RAPTOPOULOU, A. TERZIS, R. VICENTE and S. P. PERLEPES,  
“Mononuclear and Polynuclear Manganese Compounds with Oximate and Carboxylate Ligands: Synthesis, Structural Characterization, Spectroscopic Studies and Magnetic Properties”,  
*8<sup>th</sup> Greece-Cyprus Chemistry Conference*, Thessaloniki, Greece, December 10-13, 2004, p. 77 in the Book of Abstracts, Poster Presentation.
7. **Th. C. STAMATATOS**, K. PRIGOURI, C. P. RAPTOPOULOU, A. TERZIS, R. VICENTE, A. ESCUER and S. P. PERLEPES,  
“Carboxylate Cobalt Clusters”,  
*8<sup>th</sup> Greece-Cyprus Chemistry Conference*, Thessaloniki, Greece, December 10-13, 2004, p. 75 in the Book of Abstracts, Poster Presentation.
8. **Th. C. STAMATATOS**, G. VLAHOPOULOU, C. P. RAPTOPOULOU, A. TERZIS and S. P. PERLEPES,  
“Copper(II) Carboxylate Clusters Possessing an Inverse Metallocrown Structural Motif”,  
*8<sup>th</sup> Greece-Cyprus Chemistry Conference*, Thessaloniki, Greece, December 10-13, 2004, p. 55 in the Book of Abstracts, Poster Presentation.
9. **Th. C. STAMATATOS**, C. P. RAPTOPOULOU, A. TERZIS, C. PATRICKIOS, S. P. PERLEPES and A. TASIOPOULOS,  
“Synthesis and Characterization of New Coordination Polymers with 3d Paramagnetic Metal Ions”,

- 8<sup>th</sup> Greece-Cyprus Chemistry Conference*, Thessaloniki, Greece, December 10-13, 2004, p. 77 in the Book of Abstracts, Poster Presentation.
10. E. KATSOULAKOU, **Th. C. STAMATATOS**, G. PAIRAS, C. P. RAPTOPOULOU, A. TERZIS, P. KORDOPATIS and E. MANESSI-ZOUPA,  
“Synthesis, Structural Characterization and Spectroscopic Study of Zn(II) Compounds Containing  $\alpha$ -Aminoisobutyric Acid Peptides”,  
*8<sup>th</sup> Greece-Cyprus Chemistry Conference*, Thessaloniki, Greece, December 10-13, 2004, p. 70 in the Book of Abstracts, Poster Presentation.
11. **Th. C. STAMATATOS**,  
“Old Ligands with New Coordination Chemistry: Cobalt(II) and Cobalt(II/III) Clusters based on Pyridyl Oximes and Pyridyl Alcohols”,  
*1<sup>st</sup> North America – Greece – Cyprus Workshop on Paramagnetic Materials*, Nicosia, Cyprus, May 5-6, 2005, Talk.
12. **Th. C. STAMATATOS**, K. V. PRIGGOURI, C. P. RAPTOPOULOU, A. TERZIS, R. VICENTE, A. ESCUER, V. TANGOULIS and S. P. PERLEPES,  
“Use of 2-Pyridyl Alcohols for the Assembly of Tetranuclear and Hexanuclear Open-shell Metal Clusters”,  
*8<sup>th</sup> FIGIPAS Meeting in Inorganic Chemistry*, Athens, Greece, July 6-9, 2005, p. PP59 in the Book of Abstracts, Poster Presentation.
13. **Th. C. STAMATATOS**, G. VLAHOPOULOU, C. P. RAPTOPOULOU, A. TERZIS, A. BOUDALIS, Y. SANAKIS and S. P. PERLEPES,  
“Inverse 9-metallacrown-3 Copper(II) Complexes: Synthetic, Structural and Magnetic Studies”,  
*8<sup>th</sup> FIGIPAS Meeting in Inorganic Chemistry*, Athens, Greece, July 6-9, 2005, p. PP124 in the Book of Abstracts, Poster Presentation.
14. **Th. C. STAMATATOS**, C. C. STOUMPOS, A. TERZIS, C. P. RAPTOPOULOU, G. CHRISTOU and S. P. PERLEPES,  
“Methyl 2-Pyridyl Ketone Oxime in Manganese Carboxylate Chemistry: Mononuclear, Trinuclear and Octanuclear Clusters”,  
*8<sup>th</sup> FIGIPAS Meeting in Inorganic Chemistry*, Athens, Greece, July 6-9, 2005, p. PP45 in the Book of Abstracts, Poster Presentation.
15. **Th. C. STAMATATOS**, C. P. RAPTOPOULOU, A. TERZIS, R. VICENTE, A. ESCUER, P. KYRITSIS and S. P. PERLEPES,

- “Old Ligands with New Coordination Chemistry: Cobalt(II), Cobalt(II/III) and Nickel(II) Clusters Featuring 2-Pyridyloximates”,  
*8<sup>th</sup> FIGIPAS Meeting in Inorganic Chemistry*, Athens, Greece, July 6-9, 2005, p. OP21 in the Book of Abstracts, Talk by TCS.
16. **Th. C. STAMATATOS**, K. SKORDA, G. LAZARI, C. P. RAPTOPOULOU, A. TERZIS, J. C. PLAKATOURAS, E. G. BAKALBASSIS and S. P. PERLEPES,  
“Synthetic, Structural and Physical Studies on the Copper(II)/1-Methylbenzotriazole Reaction System”,  
*8<sup>th</sup> FIGIPAS Meeting in Inorganic Chemistry*, Athens, Greece, July 6-9, 2005, p. PP125 in the Book of Abstracts, Poster Presentation.
17. **Th. C. STAMATATOS**, C. J. MILIOS, A. BOUDALIS, A. TERZIS, C. P. RAPTOPOULOU, A. ESCUER, R. VICENTE and S. P. PERLEPES,  
“The Oxime Group in Polynuclear Transition Metal Chemistry: Synthetic, Reactivity, Structural and Physical Studies”,  
*8<sup>th</sup> FIGIPAS Meeting in Inorganic Chemistry*, Athens, Greece, July 6-9, 2005, p. OP05 in the Book of Abstracts, Talk by S.P.P.
18. **Th. C. STAMATATOS**, D. FOGUET-ALBIOL, C. P. RAPTOPOULOU, A. TERZIS, W. WERNSDORFER, G. CHRISTOU and S. P. PERLEPES,  
“A New Family of Trinuclear Mn(III) Single-Molecule Magnets”,  
*21<sup>st</sup> Panhellenic Conference on Solid State Physics and Materials Science*, Nicosia, Cyprus, August 28-31, 2005, p. A6.13 in the Book of Abstracts, Poster Presentation.
19. G. VLAHOPOULOU, **Th. C. STAMATATOS**, C. P. RAPTOPOULOU, A. TERZIS, A. BOUDALIS, Y. SANAKIS and S. P. PERLEPES,  
“Polynuclear Carboxylate Copper(II) Complexes Possessing an Inverse Metallocrown Structural Motif”,  
*20<sup>th</sup> Panhellenic Conference on Chemistry*, University of Ioannina, Ioannina, Greece, September 20-24, 2005, p. 319 in the Book of Abstracts, Poster Presentation.
20. G. LAZARI, **Th. C. STAMATATOS**, A. VAFIADIS, A. LITHOXOUIDOU, A. TERZIS, C. P. RAPTOPOULOU, J. PLAKATOURAS, E. BAKALBASSIS and S. P. PERLEPES,  
“Copper(II) chloride/1-methylbenzotriazole Chemistry: Influence of Various Synthetic Parameters on the Product Identity, Structural and Magnetic Characterization, and Quantum-Chemical Studies”,  
*20<sup>th</sup> Panhellenic Conference on Chemistry*, University of Ioannina, Ioannina, Greece,

- September 20-24, 2005, p. 314 in the Book of Abstracts, Poster Presentation.
21. K. V. PRIGGOURI, **Th. C. STAMATATOS**, C. P. RAPTOPOULOU, A. TERZIS, A. BOUDALIS and S. P. PERLEPES,  
“Use of 2-Pyridyl Alcohols for the Assembly of Tetranuclear and Hexanuclear Open-shell Cobalt Clusters”,  
*20<sup>th</sup> Panhellenic Conference on Chemistry*, University of Ioannina, Ioannina, Greece, September 20-24, 2005, p. 317 in the Book of Abstracts, Poster Presentation.
22. C. STOUMPOS, **Th. C. STAMATATOS**, C. P. RAPTOPOULOU, A. TERZIS, G. CHRISTOU and S. P. PERLEPES,  
“Methyl 2-Pyridyl Ketone Oxime in Manganese Chemistry: Mononuclear, Trinuclear and Octanuclear Carboxylate-Based Complexes”,  
*20<sup>th</sup> Panhellenic Conference on Chemistry*, University of Ioannina, Ioannina, Greece, September 20-24, 2005, p. 313 in the Book of Abstracts, Poster Presentation.
23. **Th. C. STAMATATOS**, C. P. RAPTOPOULOU, A. TERZIS, R. VICENTE, A. ESCUER and S. P. PERLEPES,  
“Influence of Various Synthetic Parameters on the Product Identity of Polynuclear Ni(II) and Cu(II) Complexes Using 2,6-Pyridinedimethanol (pdmH<sub>2</sub>)”,  
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79. E. S. KOUMOUSI, S. MUKHERJEE, C. M. BEAVERS, S. J. TEAT, S. P. PERLEPES, G. CHRISTOU and **Th. C. STAMATATOS**,  
“A Molecular Approach to the Oxygen-Evolving Center of Photosynthetic Apparatus: Synthesis, Characterization and Reactivity Studies of a New  $\{Mn^{III}_4Ca^{II}\}$  Compound”,  
*XXIII International Conference on Coordination and Bioinorganic Chemistry*, Smolenice, Slovakia, June 5-10, 2011. One page in the Book of Abstracts. Talk by E.S.K.
80. D. I. ALEXANDROPOULOS, S. MUKHERJEE, C. PAPATRIANTAFYLLOPOULOU, C. P. RAPTOPOULOU, V. PSYCHARIS, V. BEKIARI, G. CHRISTOU and **Th. C. STAMATATOS**,  
“Towards the Synthesis of “Hybrid” Molecular Materials Displaying Interesting Magnetic and Optical Properties ”,  
*4<sup>th</sup> North America – Greece – Cyprus Workshop on Paramagnetic Materials*, Patras, Greece, June 14-18, 2011, p. 25, in the Book of Abstracts. Talk by D.I.A.
81. K. I. ALEXOPOULOU, C. G. EFTHYMIU, C. PAPATRIANTAFYLLOPOULOU, **Th. C. STAMATATOS**, C. P. RAPTOPOULOU, V. PSYCHARIS, V. TANGOULIS and S. P. PERLEPES,  
“Employment of Pyridyl Alcohols in Nickel(II) Carboxylate Chemistry: Synthesis and Magnetochemical Characterization of New Tetranuclear Complexes with Different Topologies”,



- 4<sup>th</sup> North America – Greece – Cyprus Workshop on Paramagnetic Materials*, Patras, Greece, June 14-18, 2011, p. 26, in the Book of Abstracts. Talk by K.I.A.
82. G. CHRISTOU, T. TAGUCHI, **Th. C. STAMATATOS** and C. LAMPROPOULOS,  
“Manganese and Iron Clusters with Large Spin Values: Understanding their Origin, and Altering their Magnitude”,  
*4<sup>th</sup> North America – Greece – Cyprus Workshop on Paramagnetic Materials*, Patras, Greece, June 14-18, 2011, p. 37, in the Book of Abstracts. Talk by G.C.
83. E. S. KOUMOUSHI, S. MUKHERJEE, C. M. BEAVERS, S. J. TEAT, K. F. KONIDARIS, E. MANESSI-ZOUPA, G. CHRISTOU and **Th. C. STAMATATOS**,  
“Square Pyramidal-shaped  $\{\text{Mn}^{\text{III}}_4\text{Ca}\}_n$  ( $n = 1$  and  $2$ ) Complexes: Attempts towards Modeling the Dioxygen Evolving Center of Photosystem II”,  
*4<sup>th</sup> North America – Greece – Cyprus Workshop on Paramagnetic Materials*, Patras, Greece, June 14-18, 2011, p. 56, in the Book of Abstracts. Talk by E.S.K.
84. S. P. PERLEPES, C. G. EFTHYMIU, A. GEORGOPOULOU, C. PAPANTRIANTAFYLLOPOULOU, D. DERMITZAKI, C. D. POLYZOU, H. NIKOLAOU, A. J. TASIOPOULOS, C. P. RAPTOPOULOU, A. TERZIS, V. PSYCHARIS, L. CUNHA-SILVA, **Th. C. STAMATATOS**, W. WERNSDORFER, A. ESCUER and G. CHRISTOU,  
“In Search for 3d/4f-Metal Clusters and Single-Molecule Magnets”,  
*4<sup>th</sup> North America – Greece – Cyprus Workshop on Paramagnetic Materials*, Patras, Greece, June 14-18, 2011, p. 76, in the Book of Abstracts. Talk by S.P.P.
85. **Th. C. STAMATATOS**, D. I. ALEXANDROPOULOS, E. S. KOUMOUSHI, C. PAPANTRIANTAFYLLOPOULOU, W. WERNSDORFER and G. CHRISTOU,  
“Structural Diversity in Manganese Cluster Chemistry from the Use Pseudohalides: Access to High-Spin Molecules and Single-Molecule Magnets”,  
*4<sup>th</sup> North America – Greece – Cyprus Workshop on Paramagnetic Materials*, Patras, Greece, June 14-18, 2011, p. 84, in the Book of Abstracts. Talk by Th.C.S.
86. A. J. TASIOPOULOS, E. E. MOUSHI, C. LAMPROPOULOS, **Th. C. STAMATATOS**, V. NASTOPOULOS, W. WERNSDORFER and G. CHRISTOU,  
“New High Nuclearity, High Spin Metal Clusters and SMMs from the Use of Aliphatic Diols in Manganese-Carboxylate Chemistry”,  
*4<sup>th</sup> North America – Greece – Cyprus Workshop on Paramagnetic Materials*, Patras, Greece, June 14-18, 2011, p. 87, in the Book of Abstracts. Talk by A.J.T.
87. D. I. ALEXANDROPOULOS, E. S. KOUMOUSHI and **Th. C. STAMATATOS**,

- “Multifunctional Molecular Materials: Synthesis and Characterization of Polynuclear Complexes with Interesting Biocatalytical, Optical and Magnetic Properties”,  
*21<sup>st</sup> Panhellenic Conference on Chemistry*, University of Thessaloniki, Thessaloniki, Greece, December 9-12, 2011. One page in the Book of Abstracts. Talk by Th.C.S. (Plenary Lecture).
88. E. E. MOUSHI, M. CHARALAMBOUS, M. MANOLI, C. LAMPROPOULOS, **Th. C. STAMATATOS**, C. PAPATRIANTAFYLLOPOULOU, V. NASTOPOULOS, W. WERNSDORFER, E. K. BRECHIN, G. CHRISTOU and A. J. TASIOPOULOS,  
“New Giant Single-Molecule Magnets and High-Spin Molecules from the Use of 1,3-Propanediol in Manganese Chemistry”,  
*21<sup>st</sup> Panhellenic Conference on Chemistry*, University of Thessaloniki, Thessaloniki, Greece, December 9-12, 2011. One page in the Book of Abstracts. Talk by A.J.T.
89. E. S. KOUMOUSHI, C. PAPATRIANTAFYLLOPOULOU, C. P. RAPTOPOULOU, V. PSYCHARIS, M. MANOS, L. CUNHA-SILVA, G. CHRISTOU and **Th. C. STAMATATOS**,  
“Polynuclear 3d-Metal Complexes in Moderate Oxidation States from the Use of Mixed Alkoxo/Oximato Ligands: Synthesis and Magnetostructural Characterization”,  
*21<sup>st</sup> Panhellenic Conference on Chemistry*, University of Thessaloniki, Thessaloniki, Greece, December 9-12, 2011. One page in the Book of Abstracts. Talk by E.S.K.
90. K. I. ALEXOPOULOU, **Th. C. STAMATATOS**, V. PSYCHARIS, C. P. RAPTOPOULOU, V. TANGOULIS and S. P. PERLEPES,  
“The Chemistry of Polynuclear Ni(II) Complexes: Tetranuclear Clusters from the Employment of Pyridine-2,6-dimethanol and Carboxylate Ions as Ligands”,  
*21<sup>st</sup> Panhellenic Conference on Chemistry*, University of Thessaloniki, Thessaloniki, Greece, December 9-12, 2011. One page in the Book of Abstracts. Talk by K.I.A.
91. D. I. ALEXANDROPOULOS, G. CHRISTOU and **Th. C. STAMATATOS**,  
“Towards the Synthesis of Oligo- and Polynuclear Lanthanide Complexes Displaying Interesting Magnetic and Optical Properties”,  
*45<sup>th</sup> Inorganic Chemistry Weekend*, University of Ottawa, Ottawa, Ontario, Canada, November 2-4, 2012. One page in the Book of Abstracts. Talk by D.I.A.
92. D. P. GIANNOPOULOS, E. S. KOUMOUSHI, A. ROUTZOMANI, T. N. NGUYEN, S. J. TEAT, G. CHRISTOU and **Th. C. STAMATATOS**,  
“Introducing 2-Pyrrolyl Oximes in Transition Metal Cluster Chemistry: Synthesis, Structure and Magnetochemical Characterization of Fe<sub>6</sub>, Fe<sub>10</sub> and Fe<sub>12</sub> Complexes”,  
*45<sup>th</sup> Inorganic Chemistry Weekend*, University of Ottawa, Ottawa, Ontario, Canada, November

- 2-4, 2012. One page in the Book of Abstracts. Poster Presentation.
93. M. GIOULI, I. I. VERGINADIS, **Th. C. STAMATATOS**, K. F. KONIDARIS, C. P. RAPTOPOULOU, V. PSYCHARIS, A. VASILYADIS, A. S. AFENDRA, E. MANESSI-ZOUPA, and S. KARKABOUNAS,  
“Synthesis and Study of the Cytotoxic Activity of Mononuclear Zn(II) Complexes with Pyridyl Oximes and Dioximes as Ligands”,  
*9<sup>th</sup> Tumor Markers and Targeting Therapy Congress*, Crown Plaza Hotel, Athens, Greece, November 29-December 2, 2012. One page in the Book of Abstracts. Poster Presentation.
94. D. I. ALEXANDROPOULOS, D. P. GIANNOPOULOS, V. BEKIARI, G. CHRISTOU and **Th. C. STAMATATOS**,  
“New Clusters and Emissive Single-Molecule Magnets based on Transition Metal Ions and/or Lanthanides”,  
*5<sup>th</sup> North America – Greece – Cyprus Workshop on Paramagnetic Materials*, Limassol, Cyprus, May 22-26, 2013, p. 77, in the Book of Abstracts. Talk by Th.C.S.
95. A. J. TASIPOULOS, E. E. MOUSHI, M. CHARALAMBOUS, C. PAPATRIANTAFYLLOPOULOU, C. LAMPROPOULOS, **Th. C. STAMATATOS**, V. NASTOPOULOS, W. WERNSDORFER and G. CHRISTOU,  
“High Nuclearity Clusters and Single Molecule Magnets from the Use of 1,3-Propanediol and its Derivatives in Mn Chemistry”,  
*5<sup>th</sup> North America – Greece – Cyprus Workshop on Paramagnetic Materials*, Limassol, Cyprus, May 22-26, 2013, p. 79, in the Book of Abstracts. Talk by A.J.T.
96. D. DERMITZAKI, A. TERZIS, C. P. RAPTOPOULOU, V. PSYCHARIS, A. ESCUER, **Th. C. STAMATATOS** and S. P. PERLEPES,  
“Copper(II)/Lanthanide(III) Clusters from the Use of Pyridine-2,6-dimethanol and Carboxylates as Ligands”,  
*5<sup>th</sup> North America – Greece – Cyprus Workshop on Paramagnetic Materials*, Limassol, Cyprus, May 22-26, 2013, p. 19, in the Book of Abstracts. Talk by D.D.
97. D. I. ALEXANDROPOULOS, L. CUNHA-SILVA, J. TANG and **Th. C. STAMATATOS**,  
“New Families of 4f- and 3d/4f-Metal Complexes Exhibiting Single-Molecule Magnetism, Magnetic Refrigeration and Photoluminescence Properties”,  
*46<sup>th</sup> Inorganic Chemistry Weekend*, York University, Toronto, Ontario, Canada, November 8-10, 2013, p. 30 in the Book of Abstracts. Talk by D.I.A.
98. A. ALAIMO, L. CUNHA-SILVA and **Th. C. STAMATATOS**,

- “Towards Models of the Oxygen-Evolving Complex (OEC) of Photosystem II from the Use of Optically-Active Ligands:  $Mn_4Ca$  Clusters of Relevance to Low Oxidation States of the OEC”, *46<sup>th</sup> Inorganic Chemistry Weekend*, York University, Toronto, Ontario, Canada, November 8-10, 2013, p. 60 in the Book of Abstracts. Poster Presentation.
99. A. ATHANASOPOULOU, C. P. RAPTOPOULOU, A. ESCUER and **Th. C. STAMATATOS**,  
“A New Schiff Base Ligand in Metal Cluster Chemistry: Synthesis and Characterization of  $Ni_4$ ,  $Ni_8$  and  $Ni_{11}$  Complexes”,  
*46<sup>th</sup> Inorganic Chemistry Weekend*, York University, Toronto, Ontario, Canada, November 8-10, 2013, p. 62 in the Book of Abstracts. Poster Presentation.
100. D. P. GIANNOPOULOS, W. WERNSDORFER, G. CHRISTOU and **Th. C. STAMATATOS**,  
“Employment of 2-Pyrrolyloximes as Bridging Ligands in Transition Metal Cluster Chemistry”,  
*46<sup>th</sup> Inorganic Chemistry Weekend*, York University, Toronto, Ontario, Canada, November 8-10, 2013, p. 63 in the Book of Abstracts. Poster Presentation.
101. E. C. MAZARAKIOTI, L. CUNHA-SILVA and **Th. C. STAMATATOS**,  
“Heptanuclear Lanthanide(III) Complexes from the Use of a New Chiral Schiff-base Ligand”,  
*46<sup>th</sup> Inorganic Chemistry Weekend*, York University, Toronto, Ontario, Canada, November 8-10, 2013, p. 64 in the Book of Abstracts. Poster Presentation.
102. J. SITKO, L. CUNHA-SILVA and **Th. C. STAMATATOS**,  
“Access to Optically-Effective Molecular Magnetic Materials via the Employment of Quinoline-based Oximate Ligands and Fluorescence Carboxylate Groups”,  
*46<sup>th</sup> Inorganic Chemistry Weekend*, York University, Toronto, Ontario, Canada, November 8-10, 2013, p. 65 in the Book of Abstracts. Poster Presentation.
103. D. I. ALEXANDROPOULOS, A. A. ATHANASOPOULOU, E. C. MAZARAKIOTI and **Th. C. STAMATATOS**,  
“Toward the Synthesis of ‘Hybrid’ Molecular Magnetic Materials: Emissive and Chiral Single-Molecule Magnets Based on 3d- and 4f-Metal Clusters”,  
*14<sup>th</sup> International Conference on Molecule-based Magnets*, Saint Petersburg, Russia, July 5-10, 2014, p. 42, in the Book of Abstracts. Talk by Th.C.S.
104. A. J. TASIOPOULOS, E. E. MOUSHI, M. CHARALAMBOUS, C. PAPATRIANTAFYLLOPOULOU, C. LAMPROPOULOS, **Th. C. STAMATATOS**, V.

- NASTOPOULOS, W. WERNSDORFER and G. CHRISTOU,  
“High Nuclearity, High Spin Clusters and Single Molecule Magnets from the Use of Diols in Mn Chemistry”,  
*14<sup>th</sup> International Conference on Molecule-based Magnets*, Saint Petersburg, Russia, July 5-10, 2014, p. 30, in the Book of Abstracts. Talk by A.J.T.
105. D. DERMITZAKI, G. LORUSSO, C. P. RAPTOPOULOU, V. PSYCHARIS, A. ESCUER, M. EVANGELISTI, **Th. C. STAMATATOS** and S. P. PERLEPES,  
“Heterometallic Copper(II)/Lanthanide(III) Carboxylate Clusters Based on Pyridine-2,6-dimethanol as Molecular Magnetic Refrigerants”,  
*14<sup>th</sup> International Conference on Molecule-based Magnets*, Saint Petersburg, Russia, July 5-10, 2014, p. 126, in the Book of Abstracts. Poster Presentation.
106. P. DANELLI, Z. G. LADA, C. P. RAPTOPOULOU, V. PSYCHARIS, A. SOTO BEOBIDE, G. A. VOYIATZIS and **Th. C. STAMATATOS**,  
“Mercury(I) and Mercury(II) Complexes of 2-Pyridyl Oximes”,  
*1<sup>st</sup> Workshop of Graduates & Post-docs*, FORTH/Institute of Chemical Engineering Sciences, Patras, Greece, May 27, 2015, P6 in the Book of Abstracts. Poster Presentation.
107. D. DERMITZAKI, C. P. RAPTOPOULOU, V. PSYCHARIS, A. ESCUER, S. P. PERLEPES and **Th. C. STAMATATOS**,  
“Families of  $\{Cu^II_xLn^{III}_y\}$  Coordination Clusters Based on Pyridine-2,6-dimethanol (Ln = lanthanide)”,  
*1<sup>st</sup> Workshop of Graduates & Post-docs*, FORTH/Institute of Chemical Engineering Sciences, Patras, Greece, May 27, 2015, P6 in the Book of Abstracts. Poster Presentation.
108. C. PAPATRIANTAFYLLOPOULOU, C. G. EFTHYMIU, M. CHARALAMBOUS, M. SAVVA, K. SKORDI, S. M. ZARTILAS, E. E. MOUSHI, **Th. C. STAMATATOS**, V. NASTOPOULOS, G. CHRISTOU and A. J. TASIOPOULOS,  
“New Structural Types from the Use of Polyol Type Ligands in Mn, Mn/Ni and Mn/Ln Cluster Chemistry”,  
*6<sup>th</sup> North America – Greece – Cyprus Workshop on Paramagnetic Materials*, Athens, Greece, June 3-6, 2015, p. 66, in the Book of Abstracts. Talk by C.P.
109. **Th. C. STAMATATOS**, D. I. ALEXANDROPOULOS, P. RICHARDSON, L. CUNHA-SILVA, J. TANG, A. FOURNET, A. M. MOWSON and G. CHRISTOU,  
“Naphthalene-based Diols as Bridging Ligands in Polynuclear Metal Cluster Chemistry: Synthesis, Structures and Magnetic Properties”,

- 6<sup>th</sup> North America – Greece – Cyprus Workshop on Paramagnetic Materials, Athens, Greece, June 3-6, 2015, p. 76, in the Book of Abstracts. Talk by Th.C.S.
110. D. I. ALEXANDROPOULOS, L. CUNHA-SILVA, A. ESCUER and **Th. C. STAMATATOS**,  
“New Classes of Ferromagnetic Materials with Exclusively End-on Azido Bridges: From Single- to 2D- Molecular Magnets”,  
*48<sup>th</sup> Inorganic Chemistry Weekend*, Royal Military College, Kingston, Ontario, Canada, November 6-8, 2015, p. 35 in the Book of Abstracts. Poster presentation.
111. P. RICHARDSON, D. I. ALEXANDROPOULOS, L. CUNHA-SILVA, G. LORUSSO, M. EVANGELISTI, J. TANG and **Th. C. STAMATATOS**,  
“‘All Three-in-One’: Ferromagnetic Interactions, Single-Molecule Magnetism and Magnetocaloric Properties in a New Family of [Cu<sub>4</sub>Ln] Clusters”,  
*48<sup>th</sup> Inorganic Chemistry Weekend*, Royal Military College, Kingston, Ontario, Canada, November 6-8, 2015, p. 16 in the Book of Abstracts. Oral presentation by P.R.
112. A. ALAIMO, S. J. TEAT, G. CHRISTOU and **Th. C. STAMATATOS**,  
“Towards Modeling the Active Site of Photosystem II: New Structural Motifs in Mn/Ca Chemistry from the Use of Salicylhydroxime”,  
*48<sup>th</sup> Inorganic Chemistry Weekend*, Royal Military College, Kingston, Ontario, Canada, November 6-8, 2015, p. 32 in the Book of Abstracts. Oral presentation by A.A.
113. D. P. GIANNOPOULOS, L. CUNHA-SILVA, G. CHRISTOU and **Th. C. STAMATATOS**,  
“Initial Employment of 3-Hydroxy-2-Naphthohydroxamic Acid in Mn and Mn/Dy Cluster Chemistry”,  
*48<sup>th</sup> Inorganic Chemistry Weekend*, Royal Military College, Kingston, Ontario, Canada, November 6-8, 2015, p. 40 in the Book of Abstracts. Poster presentation.
114. E. C. MAZARAKIOTI, K. M. POOLE, L. CUNHA-SILVA, G. CHRISTOU and **Th. C. STAMATATOS**,  
“Stereochemical Reactivity of the Schiff Base Ligand N-salicylidene-2-aminocyclohexanol in Lanthanide Chemistry”,  
*48<sup>th</sup> Inorganic Chemistry Weekend*, Royal Military College, Kingston, Ontario, Canada, November 6-8, 2015, p. 48 in the Book of Abstracts. Poster presentation.
115. P. S. PERLEPE, L. CUNHA-SILVA, K. GAGNON, S. J. TEAT, A. ESCUER and **Th. C. STAMATATOS**,  
“Nickel(II) Clusters with Ferromagnetic and Emissive Properties from the Use of a New

Fluorescent Schiff Base Ligand”,

48<sup>th</sup> Inorganic Chemistry Weekend, Royal Military College, Kingston, Ontario, Canada,

November 6-8, 2015, p. 50 in the Book of Abstracts. Poster presentation.

Seminars and Invited Talks:

1. **Th. C. STAMATATOS,**

“2-Hydroxy Methyl Pyridine in Cobalt Carboxylate Chemistry: Synthesis, Structural Characterization and Magnetic Properties of a New Family of Tetranuclear Co(II) and Hexanuclear Co(II/III) Polynuclear Compounds”,

Department of Chemistry, University of Patras, Patras, Greece, April 30<sup>th</sup>, 2004.

2. **Th. C. STAMATATOS,**

“Polynuclear Compounds of Cobalt, Nickel and Copper with Pyridyl Alcohols and 2-pyridyl Oximes as Ligands”,

Department of Chemistry, University of Cyprus, Nicosia, Cyprus, January 12<sup>th</sup>, 2005.

3. **Th. C. STAMATATOS,**

“Polynuclear Complexes of Cobalt, Nickel and Copper with 2-pyridyl Oximes and Pyridyl Alcohols as Organic Ligands”,

Department of Chemistry, University of Manchester, Manchester, UK, March 4<sup>th</sup>, 2005.

4. **Th. C. STAMATATOS,**

“The Correlation between Aesthetically Pleasing Molecular Structures and Technological Applications in Polynuclear Cr(III) Metal Complexes”,

Department of Chemistry, University of Patras, Patras, Greece, May 20<sup>th</sup>, 2005.

5. **E. KATSOULAKOU, C. MILIOS, G. S. PAPAEFSTATHIOU, S. P. PERLEPES and Th. C. STAMATATOS,**

“Hydrothermal Techniques and Solid-state Reactions: Two New ‘Green’ Synthetic Approaches in Inorganic Chemistry”,

Department of Chemistry, University of Patras, Patras, Greece, May 20<sup>th</sup>, 2006.

6. **Th. C. STAMATATOS,**

“Polynuclear Complexes of Cr, Mn, Fe, Co and Ni with 2-Pyridyl Oximes and Pyridyl Alcohols as Organic Ligands: Synthesis, Crystal Structure, Chemical Reactivity and Magnetic Properties”,

Department of Chemistry, University of Florida, Gainesville, FL-USA, November 6<sup>th</sup>, 2006.

7. **Th. C. STAMATATOS,**

“Synthetic Entry into New Polynuclear 3d-Metal Complexes: From Beautiful Cages and Molecular Wheels to High-Spin Molecules and Single-Molecule Magnets”,

Department of Chemistry, University of Manitoba, Winnipeg, Canada, January 19<sup>th</sup>, 2012.

8. **Th. C. STAMATATOS,**

“Polynuclear Transition Metal Complexes: From Beautiful Cages and Molecular Wheels to High-Spin Molecules and Single-Molecule Magnets”,

Department of Chemistry, Brock University, St. Catharines, Ontario, Canada, March 1<sup>st</sup>, 2012.

9. **Th. C. STAMATATOS,**

“Single-Molecule Magnets: A Molecular, Bottom-up to the Nanoscale”,

Department of Chemistry, Trinity College Dublin, Dublin, Ireland, March 7<sup>th</sup>, 2012.

10. **Th. C. STAMATATOS,**

“New Synthetic Aspects in Transition Metal Cluster Chemistry: From Molecular Cages and Wheels to High-Spin Molecules and Single-Molecule Magnets”,

Department of Chemistry, Florida International University, Miami, USA, March 12<sup>th</sup>, 2012.

11. **Th. C. STAMATATOS,**

“Combining Single-Molecule Magnetism and Photoluminescence in Lanthanide Cluster Chemistry”,

Université de Bordeaux, Bordeaux, France, April 30<sup>th</sup>, 2013.

12. **Th. C. STAMATATOS,**

“Synthesis and Characterization of New Multifunctional Molecular Materials with Interesting Magnetic and Optical Properties”,

Department of Chemistry, University of Patras, Patras, Greece, July 17<sup>th</sup>, 2013.

13. **Th. C. STAMATATOS,**

“Approaches to Polynuclear Metal Complexes with Interesting Magnetic and Optical Properties”,

Department of Chemistry, University of Windsor, Canada, November 8<sup>th</sup>, 2013.

14. **Th. C. STAMATATOS,**

“Three Years at Brock... Towards the Synthesis of Nanoscale and Multifunctional Molecular Magnetic Materials”

Department of Chemistry, Brock University, St. Catharines, Ontario, Canada, April 29<sup>th</sup>, 2015.

15. **Th. C. STAMATATOS,**

“Polynuclear Metal Complexes as High-Spin Molecules and Single-Molecule Magnets: A ‘Bottom-up’ Approach to Nanoscale Magnetism”



Department of Chemistry, University of Waterloo, Waterloo, Ontario, Canada, September 16<sup>th</sup>, 2015.

Publications in Peer-Review Journals (2012-2016; since Brock's appointment):

(C: Communication; N: Note; FP: Full Paper; R: Review)

\* Note: Students from my group (2012-2016) are highlighted in **Bold** text.

137. (FP) **P. S. Perlepe**, L. Cunha-Silva, V. Bekiari, K. Gagnon, S. J. Teat, A. Escuer, **Th. C. Stamatatos**, "Structural diversity in Ni<sup>II</sup> cluster chemistry: Ni<sub>5</sub>, Ni<sub>6</sub>, and {NiNa<sub>2</sub>}<sub>n</sub> complexes bearing the Schiff-base ligand *N*-naphthalidene-2-amino-5-chlorobenzoic acid", submitted to *Inorganic Chemistry*.
136. (FP) **D. I. Alexandropoulos**, E. E. Moushi, C. Papatriantafyllopoulou, C. M. Beavers, S. J. Teat, A. J. Tasiopoulos, G. Christou, **Th. C. Stamatatos**, "Cyanate groups in higher oxidation state metal cluster chemistry: Mixed-valence(II/III) Mn<sub>16</sub> and Mn<sub>18</sub> clusters", *Polyhedron*, article in press.
135. (C) **P. S. Perlepe**, L. Cunha-Silva, K. Gagnon, S. J. Teat, C. Lampropoulos, A. Escuer, **Th. C. Stamatatos**, "'Ligands-with-Benefits': Naphthalene-substituted Schiff bases yielding new Ni<sup>II</sup> metal clusters with ferromagnetic and emissive properties and undergoing exciting transformations", *Inorganic Chemistry*, **55**, 1270, 2016.
134. (C) **D. I. Alexandropoulos**, L. Cunha-Silva, G. Lorusso, M. Evangelisti, J. Tang, **Th. C. Stamatatos**, "Dodecanuclear 3d/4f-metal cluster compounds with a 'Star of David' topology: Single-molecule magnetism and magnetocaloric properties", *Chemical Communications*, **52**, 1693, 2016.
133. (FP) A. E. Thuijs, A. Marton, **Th. C. Stamatatos**, K. A. Abboud, G. Christou, "High nuclearity cerium-manganese clusters and their structural and magnetic properties: Ce<sup>IV</sup><sub>3</sub>Mn<sup>III</sup><sub>7</sub> and Ce<sup>IV</sup><sub>5</sub>Mn<sup>III</sup><sub>11</sub>", *Polyhedron*, **103**, 288, 2016.
132. (C) **E. C. Mazarakioti**, L. Cunha-Silva, V. Bekiari, A. Escuer, **Th. C. Stamatatos**, "New structural topologies in 4f-metal cluster chemistry from vertex-sharing butterfly units: {Ln<sup>III</sup><sub>7</sub>} complexes exhibiting slow magnetization relaxation and ligand-centred emissions", *RSC Advances*, **5**, 92534, 2015.
131. (C) **P. Richardson**, **D. I. Alexandropoulos**, L. Cunha-Silva, G. Lorusso, M. Evangelisti, J. Tang, **Th. C. Stamatatos**, "'All three-in-one': ferromagnetism, single-molecule magnetism and magnetocaloric properties in a new family of [Cu<sub>4</sub>Ln] (Ln<sup>III</sup> = Gd, Tb, Dy) clusters", *Inorganic Chemistry Frontiers*, **2**, 945, 2015.

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1. Advanced Functional Materials (Wiley)
2. African Journal of Pure and Applied Chemistry (Academic Journals)
3. American Chemical Science (Science Domain International)
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14. Crystals (MDPI: Multidisciplinary Digital Publishing Institute)
15. Current Inorganic Chemistry (Bentham Science Publishers)
16. Dalton Transactions (Royal Society of Chemistry)
17. E-journal of Chemistry (Associate Editor; Hindawi Publishing Corp.)

18. European Journal of Inorganic Chemistry (Wiley)
19. European Journal of Medicinal Chemistry (Elsevier)
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21. Fuel Processing Technology (Elsevier)
22. Inorganic Chemistry (American Chemical Society)
23. Inorganic Chemistry Communications (Elsevier)
24. Inorganic Chemistry Frontiers (Royal Society of Chemistry)
25. Inorganica Chimica Acta (Elsevier)
26. International Journal of Molecular Sciences (MDPI)
27. International Research Journal of Pure and Applied Chemistry (Science Domain International)
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30. Journal of Molecular Structure (Elsevier)
31. Journal of Surfaces and Interfaces of Materials (American Scientific Publishers)
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33. Letters in Organic Chemistry (Bentham Science Publishers)
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39. Research on Chemical Intermediates (Editorial Manager)
40. RSC Advances (Royal Society of Chemistry)
41. Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy (Elsevier)
42. Zeitschrift für Anorganische und Allgemeine Chemie (Wiley)

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3. The Netherlands Organization for Scientific Research (NWO)
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