Theocharis C. Stamatatos *Curriculum Vitae*

Personal Details:

Name	:	**Theocharis C. Stamatatos**
Contact Address	:	Department of Chemistry, University of Patras
		Patras 26504, Patras, Greece
Tel.	:	(+30)2610996008
E-mail	:	thstama@upatras.gr
		theocharisstamatatos@gmail.com
Date and Place of Birth	:	20th November 1980, Patras, Greece
Nationality	:	Greek
Marital Status	:	Married with two children

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 - July 2016*: Assistant Professor of Inorganic Chemistry**, Chemistry Department, Brock University, St. Catharines, Ontario, Canada.
- ***July 2016 - December 2018*: Associate Professor of Inorganic Chemistry**, Chemistry Department, Brock University, St. Catharines, Ontario, Canada.
- ***December 2018* - to date: Associate Professor of Inorganic Chemistry**, Department of Chemistry, University of Patras, Patras, Greece.

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*: <u>Graduate Research in the Context of Ph.D.</u>** (Supervisor: Professor Spyros P. Perlepes).
  Department of Chemistry, University of Patras, Patras, Greece.
  <u>Dissertation:</u> *«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*: <u>Post-Graduate Research in the Context of Postdoctoral Fellowship</u>** (Supervisor: Drago Professor George Christou).
  Department of Chemistry, University of Florida, Gainesville FL, USA.
  <u>Projects Titles:</u> *(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»*.

<u>*Visiting Studentships - Research Exchange Scholar*</u>*:*

- ***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 (4^{th} year course).

  b) Biological Inorganic Chemistry in the Chemistry Department of Brock University, St. Catharines, ON, Canada (4^{th} year course).

  c) Advanced Methods for Materials Characterization in the Chemistry Department of Brock University, St. Catharines, ON, Canada (graduate course).

  d) Organometallics in Organic Synthesis in the Chemistry Department of Brock University, St. Catharines, ON, Canada (3^{rd} year course).

  e) Transition Metal Chemistry in the Chemistry Department of Brock University, St. Catharines, ON, Canada (3^{rd} year course).

  f) Direct Readings in Chemistry in the Chemistry Department of Brock University, St. Catharines, ON, Canada (graduate course).

  g) Chemical Principles and Properties in the Chemistry Department of Brock University, St. Catharines, ON, Canada (1^{st} year course).

h) Principles of Inorganic Chemistry in the Chemistry Department of Brock University, St. Catharines, ON, Canada (2nd year course).

Supervisor:

Undergraduate Students ("Undergraduate Research Thesis")

1. Dimitris I. Alexandropoulos
   (Chemistry Department, University of Patras, Greece)
2. Evangelia S. Koumousi
   (Chemistry Department, University of Patras, Greece)
3. Theodora Theodosopoulou
   (Chemistry Department, University of Patras, Greece)
4. Stavroula Katsayani
   (Chemistry Department, University of Patras, Greece)
5. Haroula Savvidi
   (Chemistry Department, University of Patras, Greece)
6. Anastasia Rotzamani
   (Chemistry Department, University of Patras, Greece)
7. Ourania Mpistola
   (Chemistry Department, University of Patras, Greece)
8. Ioanna Mantaloufa
   (Chemistry Department, University of Patras, Greece)
9. Ammarah Soofi
   (Chemistry Department, Brock University, ON, Canada)
10. Paul Richardson
    (Chemistry Department, Brock University, ON, Canada)
11. Jacob Sitko
    (Chemistry Department, Brock University, ON, Canada)
12. Marco D'Orante
    (Chemistry Department, Brock University, ON, Canada)
13. Anne Sabrina Worrell
    (Chemistry Department, Brock University, ON, Canada)
14. Lucas Krzywdzinski
    (Chemistry Department, Brock University, ON, Canada)

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. Koumousi (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. - defended on April 2016)
   (Chemistry Department, Brock University, ON, Canada)
5. Paul Richardson (M.Sc. - defended on July 2016)
   (Chemistry Department, Brock University, ON, Canada)
6. Anne Sabrina Worrell (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)
   Present position: Post-doctoral fellow, Texas A&M University (supervisor: Prof. Kim R. Dunbar)
2. Dimosthenis P. Giannopoulos (Ph.D. - defended on December 2016)
   (Chemistry Department, Brock University, ON, Canada)
3. Eleni C. Mazarakioti (Ph.D. - defended on April 2017)
   (Chemistry Department, Brock University, ON, Canada)
4. Alysha Alaimo (Ph.D. – defended on May 2018)
   (Chemistry Department, Brock University, ON, Canada)
5. Despoina Dermitzaki (Ph.D. / co-supervisor – defended on June 2015)
   (Chemistry Department, University of Patras, Greece)

Research Assistants (summer students: volunteers and funded through ‘Match of Minds’ program and NSERC USRA)

1. Cameron Arenburg
   (Chemistry Department, Brock University, ON, Canada)
2. Anne Sabrina Worrell
   (Chemistry Department, Brock University, ON, Canada)

3. Prabhjot Kaur
   (Chemistry Department, Brock University, ON, Canada)
4. Priyanka Dhariwal
   (Chemistry Department, Brock University, ON, Canada)
5. Lucas Meszaros-Brancelj
   (Chemistry Department, Brock University, ON, Canada)
6. Lucas Krzywdzinski
   (Chemistry Department, Brock University, ON, Canada)
7. Daniele Sobers
   (Chemistry Department, Brock University, ON, Canada)
8. Anita Nwamadi
   (Chemistry Department, Brock University, ON, Canada)
9. Travis Norton
   (Chemistry Department, Brock University, ON, Canada)
10. Cody Daneluik
    (Chemistry Department, Brock University, ON, Canada)
11. Melissa Thomas
    (Chemistry Department, Brock University, ON, Canada)

Visiting Faculty (for pursuing research in my group)

1. Dr. Georgios Karotsis
   (Chemistry Department, School of Chemistry, Environmental & Life Sciences, University of The Bahamas)
2. Dr. Luca Carrella
   (Chemistry Department, University of Mainz, Germany)

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.

Fellowships and Grants (2012-2018):

- **«ADVANCED LIGHT SOURCE»**, 2012 - 2018.
  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»**, 2015-2018. 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 6th North America-Greece-Cyprus Workshop on Paramagnetic Materials in Athens, Greece".

  Budget: $1,000

- **«MATCH OF MINDS / INQUIRING MINDS»**, 2016. Brock University.

  Title: "Synthesis and Characterization of New Heterometallic Transition Metal/Lanthanide Complexes Bearing Dioximate Groups as Organic Chelating/Bridging Ligands".

  Budget: $5,000

- **«NSERC RESEARCH TOOLS AND INSTRUMENTS»**, 2017.

  Title: "Upgrade of X8 Apex II Diffractometer with Mo IMS Microfocus Source/Optics".

  Budget: $149,428 (Co-applicant)

- **«NSERC-USRA GRANT»**, 2017. Brock University.

  Title: "New Dinuclear Lanthanide Complexes as Photoreversible Molecular Magnetic Switches".

  Budget: $4,500

- **«NSERC DISCOVERY GRANT»**, 2018-2023. Natural Sciences and Engineering Research Council of Canada.

  Title: "Multifunctional molecular magnetic materials for applications in spintronics and

information storage".

Budget: $145,000

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 *234th 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 *11th 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.
- **CHANCELLOR'S CHAIR FOR RESEARCH EXCELLENCE*, Brock University 2016***

  Offered by Brock University to recognize the excellence of the scholarship of a faculty member; this award is intended to encourage and sustain high levels of scholarly performance of faculty and to retain high quality faculty who have made or will make exceptional contributions to scholarship in their field.

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*, *HFEPR*, *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»,
  2nd Conference, Department of Chemistry, University of Patras, Patras, Greece, March 1-3, 2001.
- «Growth and Design of Medical Products»,
  3rd Conference, Department of Chemistry, University of Patras, Patras, Greece, March 5-7, 2002.
- «Bioactive Peptides»,
  3rd 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 $[Mn_8^{II/III}(\mu_4\text{-}O)_2(\mu_3\text{-}OH)_2]^{14+}$ Core",

19th 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",
7th 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",
11th 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",
1st 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",
XXXVIth 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",
8th 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",
8th 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 Metallacrown Structural Motif",
8th 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",
8th 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 α-Aminoisobutiric Acid Peptides",
8th 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",
1st 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",
8th 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",
8th 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",
8th 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",
8th 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",
8th 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",
8th 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",
21st 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 Metallacrown

Structural Motif",

20th 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. LITHOXOIDOU, 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",

20th Panhellenic Conference on Chemistry, University of Ioannina, Ioannina, Greece, September 20-24, 2005, p. 314 in the Book of Abstracts, Poster Presentation.

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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 ",

4th 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. EFTHYMIOU, 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",

4th 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",

4th 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. KOUMOUSI, S. MUKHERJEE, C. M. BEAVERS, S. J. TEAT, K. F. KONIDARIS, E. MANESSI-ZOUPA, G. CHRISTOU and **Th. C. STAMATATOS**,

"Square Pyramidal-shaped $\{Mn^{III}_4Ca\}_n$ (n = 1 and 2) Complexes: Attempts towards Modeling the Dioxygen Evolving Center of Photosystem II",

4th 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. EFTHYMIOU, A. GEORGOPOULOU, C. PAPATRIANTAFYLLOPOULOU, 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",

4th 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. KOUMOUSI, C. PAPATRIANTAFYLLOPOULOU, W. WERNSDORFER and G. CHRISTOU,

"Structural Diversity in Manganese Cluster Chemistry from the Use Pseudohalides: Access to High-Spin Molecules and Single-Molecule Magnets",

4th 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",
4th 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. KOUMOUSI and **Th. C. STAMATATOS**,
"Multifunctional Molecular Materials: Synthesis and Characterization of Polynuclear Complexes with Interesting Biocatalytical, Optical and Magnetic Properties",
21st 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",
21st 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. KOUMOUSI, 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",
21st 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",
21st 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",

45th 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. KOUMOUSI, 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_6, Fe_{10} and Fe_{12} Complexes",

45th 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. VASILIADIS, 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",

9th 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",

5th 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. TASIOPOULOS, 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",

5th 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",

5th 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",
46th 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",
46th 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".
46th 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",
46th 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",
46th 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,
46th 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",
14th 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",
14th 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",
14th 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",
1st 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 $\{Cu^{II}_{x}Ln^{III}_{y}\}$ Coordination Clusters Based on Pyridine-2,6-dimethanol (Ln = lanthanide)",
1st 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. EFTHYMIOU, 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",
6th 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",
6th 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",
48th 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_4Ln] Clusters",
48th 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",
48th 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",
48th 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",
48th 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",
48th Inorganic Chemistry Weekend, Royal Military College, Kingston, Ontario, Canada, November 6-8, 2015, p. 50 in the Book of Abstracts. Poster presentation.

116. E. C. MAZARAKIOTI, L. CUNHA-SILVA, J. TANG, K. M. POOLE, G. CHRISTOU and **Th. C. STAMATATOS**,
"Single-Molecule Magnets based on Oligo- and Polynuclear Lanthanide Complexes",
6th Workshop on Current Trends in Molecular Nanoscale Magnetism, Pylos, Greece, October 9-13, 2016, one page in the Book of Abstracts. Talk by Th.C.S.

117. A. J. TASIOPOULOS, E. E. MOUSHI, M. CHARALAMBOUS, C. PAPATRIANTAFYLLOPOULOU, C. LAMPROPOULOS, **Th. C. STAMATATOS**, V. NASTOPOULOS, W. WERNSDORFER and G. CHRISTOU,
"High Nuclearity Clusters from the Use of Diolsin Mn Chemistry",
6th Workshop on Current Trends in Molecular Nanoscale Magnetism, Pylos, Greece, October 9-13, 2016, one page in the Book of Abstracts. Talk by A.J.T.

118. E. C. MAZARAKIOTI, J. TANG, G. CHRISTOU and **Th. C. STAMATATOS**,
"Single-Molecule Magnets based on Oligo- and Polynuclear Lanthanide Complexes",
253rd American Chemical Society National Meeting & Exposition, San Francisco, CA, USA, April 2-6, 2017, p. INOR 510 in the Book of Abstracts. Talk by Th.C.S. (invited to the symposium: Celebrating 60 Years of the Division of Inorganic Chemistry)

119. D. I. ALEXANDROPOULOS, L. CUNHA-SILVA, G. CHRISTOU and **Th. C. STAMATATOS**,
"High-Nuclearity *3d*/*4f*-Metal Complexes with Aesthetically-Pleasing Structures and Single-Molecule Magnetism Properties"
Florida Section of the American Chemical Society (FAME 2017), Tampa, FL, USA, May 4-6,

2017, one page in the Book of Abstracts. Talk by Th.C.S. (invited speaker in the Inorganic Chemistry section)

120. J. T. BRYANT, S. A. CORRALES, E. R. WILLIAMS, D. I. ALEXANDROPOULOS, **Th. C. STAMATATOS**, I. MANUAL, J. T. HARALDSEN, L. V. GASPAROV, P. MIRO-RAMIREZ and C. LAMPROPOULOS,
"Stable Uranyl Complexes from the Use of 2,6-Diacetylpyridine Dioxime: Experimental and In-silico Investigation"
Florida Section of the American Chemical Society (FAME 2017), Tampa, FL, USA, May 4-6, 2017, one page in the Book of Abstracts. Talk by J.T.B.

121. A. WORRELL, C. LAMPROPOULOS, J. TANG and **Th. C. STAMATATOS**,
"First Use of Acenaphthenequinone Dioxime as Bridging/Chelating Ligand in Heterometallic Mn/Ln Cluster Chemistry: Ferromagnetic Complexes and Single-Molecule Magnets",
100th Canadian Chemistry Conference and Exhibition, Toronto, Ontario, Canada, May 28-June 1, 2017, one page in the Book of Abstracts. Poster presentation.

122. E. C. MAZARAKIOTI, P. KAUR, L. CUNHA-SILVA, W. WERNSDORFER, J. TANG and **Th. C. STAMATATOS**,
"The Effect of β-Diketones on the Structural and Magnetic Properties of Dy^{III} Complexes",
100th Canadian Chemistry Conference and Exhibition, Toronto, Ontario, Canada, May 28-June 1, 2017, one page in the Book of Abstracts. Poster presentation.

123. A. ALAIMO, L. CUNHA-SILVA, 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 Employment of Hydroxamic Acids",
100th Canadian Chemistry Conference and Exhibition, Toronto, Ontario, Canada, May 28-June 1, 2017, one page in the Book of Abstracts. Talk by A.A.

124. D. I. ALEXANDROPOULOS, L. CUNHA-SILVA, G. CHRISTOU and **Th. C. STAMATATOS**,
"High-Nuclearity *3d*/*4f*-Metal Complexes with Aesthetically-Pleasing Structures and Single-Molecule Magnetism Properties",
100th Canadian Chemistry Conference and Exhibition, Toronto, Ontario, Canada, May 28-June 1, 2017, one page in the Book of Abstracts. Talk by Th.C.S.

125. M. PILKINGTON, A. A. ATHANASOPOULOU, P. ABBASI, S. J. TEAT, W. WERNSDORFER, A. ESCUER and **Th. C. STAMATATOS**,
"Exploring the Coordination Chemistry of mpmH as a New Ligand in 3*d*-Cluster Chemistry",

100th Canadian Chemistry Conference and Exhibition, Toronto, Ontario, Canada, May 28-June 1, 2017, one page in the Book of Abstracts. Talk by M.P.

126. P. ABBASI, A. PHAM, D. CUTLER, **Th. C. STAMATATOS** and M. PILKINGTON, "Ligand Design - Towards Chiral Single Molecule Magnets", *4th Crystal Engineering and Emerging Materials Workshop of Ontario and Quebec*, Wilfrid Laurier University, Waterloo, Ontario, Canada, May 26-28, 2017, one page in the Book of Abstracts. Poster presentation.

127. A. WORRELL, A. A. ALAIMO, G. CHRISTOU, C. LAMPROPOULOS and **Th. C. STAMATATOS**, "Structural and Magnetic Variations in a Family of Isoskeletal $\{Mn^{IV}_2M^{III}\}$ 'Bent'-Like Complexes (M^{III} = Mn, Gd, Dy)", *50th Inorganic Chemistry Weekend*, Ryerson University, Toronto, Ontario, Canada, November 3-5, 2017, one page in the Book of Abstracts. Oral presentation by A.W.

128. A. A. ALAIMO, C. LAMPROPOULOS, D. I. ALEXANDROPOULOS and **Th. C. STAMATATOS**, "Towards Modeling the Active Site of Photosystem II: First Use of 2-Quinoline Aldoxime and 2,6-Diacetylpyridine Dioxime in Heterometallic Mn−Ca Chemistry", *50th Inorganic Chemistry Weekend*, Ryerson University, Toronto, Ontario, Canada, November 3-5, 2017, one page in the Book of Abstracts. Oral presentation by A.A.

129. P. ABBASI, **Th. C. STAMATATOS** and M. PILKINGTON, "The Synthesis and Cluster Chemistry of mpmH – Towards Chiral 3*d*-Polynuclear SMMs with Large Spin Ground States", *50th Inorganic Chemistry Weekend*, Ryerson University, Toronto, Ontario, Canada, November 3-5, 2017, one page in the Book of Abstracts. Poster presentation.

130. L. S. KRZYWDZINSKI, C. LAMPROPOULOS, J. TANG and **Th. C. STAMATATOS**, "Initial Use of *N*-naphthalidene-2-amino-5-chlorobenzoic acid in 4*f*-Metal Cluster Chemistry: Dy_7 and Dy_8 Complexes", *50th Inorganic Chemistry Weekend*, Ryerson University, Toronto, Ontario, Canada, November 3-5, 2017, one page in the Book of Abstracts. Poster presentation.

131. L. M. CARRELLA, E. C. MAZARAKIOTI, W. WERNSDORFER, C. LAMPROPOULOS and **Th. C. STAMATATOS**, "New Schiff base Ligands in Dy^{III} Chemistry as a Means of Obtaining Single-Molecule Magnets with Enhanced Properties",

50th Inorganic Chemistry Weekend, Ryerson University, Toronto, Ontario, Canada, November 3-5, 2017, one page in the Book of Abstracts. Poster presentation.

132. G. DELLE MONACHE, **Th. C. STAMATATOS** and M. PILKINGTON,
"Exploration of $bhpH_2$ for the Synthesis and Study of Heterometallic *3d/4f* Single Molecule Magnets",
50th Inorganic Chemistry Weekend, Ryerson University, Toronto, Ontario, Canada, November 3-5, 2017, one page in the Book of Abstracts. Poster presentation.

133. L. M. CARRELLA, M. DAMJANOVIC, W. WERNSDORFER, E. RENTCHLER and **Th. C. STAMATATOS**,
"New Single-Molecule Magnets with Different Coordination Environments and Magnetic Dynamics Based on the $\{Dy_2\}$ Core",
Alexander von Humboldt Foundation, Network Meeting, Bonn, Germany, November 14-16, 2018, p. 25 in the Book of Abstracts. Poster presentation.

134. P. ABBASI, **Th. C. STAMATATOS** and M. PILKINGTON,
"The Cluster Chemistry of mpmH – Towards Polynuclear SMMs with Large Spin Ground States",
51st Inorganic Chemistry Weekend, Waterloo, Ontario, Canada, November 9-11, 2018, p. 14 in the Book of Abstracts. Poster presentation.

135. A. WORRELL, D. SUN, J. MAYANS, C. LAMPROPOULOS, A. ESCUER and **Th. C. STAMATATOS**,
"Oximato-Based Ligands in 3d/4f-Metal Cluster Chemistry: A Family of "Propeller"-like Cu_3Ln Complexes with Single-Molecule Magnetic Behavior",
51st Inorganic Chemistry Weekend, Waterloo, Ontario, Canada, November 9-11, 2018, p. 20 in the Book of Abstracts. Poster presentation.

136. C. DANELUIK, M. DAMJANOVIC, D. I. ALEXANDROPOULOS, D. SUN, W. WERNSDORFER and **Th. C. STAMATATOS**,
"Mononuclear and H-Bonded Pseudo-Dinuclear Dy^{III} Single-Molecule Magnets in an "ON-OFF" State",
51st Inorganic Chemistry Weekend, Waterloo, Ontario, Canada, November 9-11, 2018, p. 21 in the Book of Abstracts. Poster presentation.

137. G. DELLE MONACHE, **Th. C. STAMATATOS** and M. PILKINGTON,
"Exploration of $bhpH_2$ for the Synthesis and Study of Heterometallic 3d/4f Single Molecule Magnets",

51st Inorganic Chemistry Weekend, Waterloo, Ontario, Canada, November 9-11, 2018, p. 25 in the Book of Abstracts. Poster presentation.

138. Q. ZHANG, S. LI, M. P. SARACHIK, M. L. BAKER and **Th. C. STAMATATOS**, "Experimental evidence for non-collinear antiferro-toroidic ground state in a Dy_8 molecule", *American Physical Society*, Boston, MA, USA, March 4-8, 2019, one page 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 30th, 2004.
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Department of Chemistry, University of Cyprus, Nicosia, Cyprus, January 12th, 2005.
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"Synthesis and Characterization of New Multifunctional Molecular Materials with Interesting Magnetic and Optical Properties",

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Publications in Peer-Review Journals (2012-2019; since Brock's appointment):
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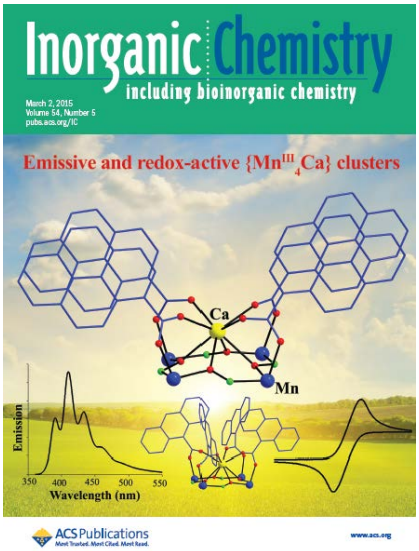

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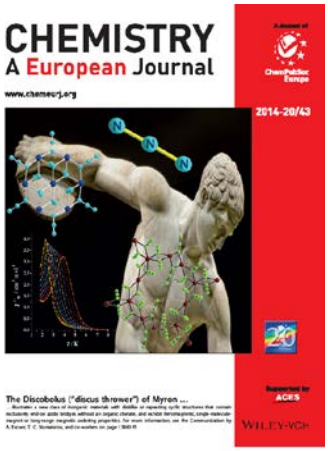

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(**C**: Communication; **N**: Note; **FP**: Full Paper; **R**: Review)
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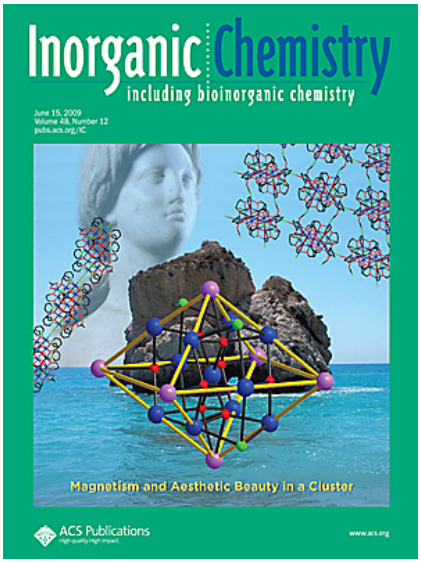

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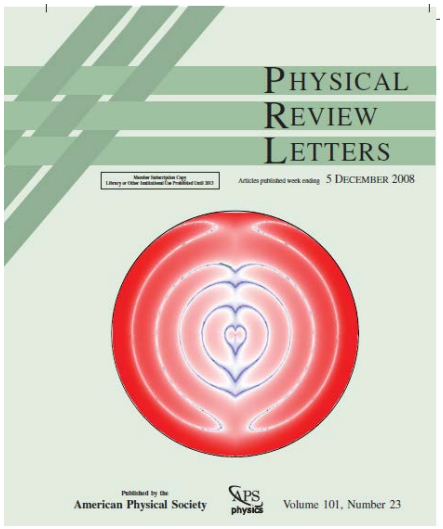

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