Theocharis C. Stamatatos October 2024 *Curriculum Vitae*

Personal Details:

Name	:	**Theocharis C. Stamatatos**
Contact Address	:	Department of Chemistry, University of Patras, Patras 26504, Patras, Greece
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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.
- ***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 – June 2023*: Associate Professor of Inorganic Chemistry**, Department of Chemistry, University of Patras, Patras, Greece.
- ***June 2023* – to date: Professor of Inorganic Chemistry**, Department of Chemistry, University of Patras, Patras, Greece.

Other Positions (Academic):

- ***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.

- ***October 2021* - to date: <u>Collaborative Teaching Member</u>** (S.E.P), General and Inorganic Chemistry, Hellenic Open University, Patras, Greece.
- ***June 2024* – to date: <u>Collaborating Faculty Member</u>**, Foundation of Research and Technology-Hellas (FORTH), Institute of Chemical Engineering Sciences (ICE-HT), Patras.

<u>Research Experience</u>:

- ***September 2002 - April 2003*: <u>Undergraduate Research ("Research Thesis")</u>** (Supervisor: Professor Spyros P. Perlepes).
  Department of Chemistry, University of Patras, Patras, Greece.
  <u>Project Title</u>: "*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>Project 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 Assistantships 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, UK.

- ***October 2010 - June 2012*: Teaching (Lectures and Laboratory Courses as a Temporary Lecturer)**

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 (as an academic faculty member)**

a) Advanced Coordination Chemistry in the Chemistry Department of Brock University, St. Catharines, ON, Canada (4th year course).

b) Biological Inorganic Chemistry in the Chemistry Department of Brock University, St. Catharines, ON, Canada (4th 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 (3rd year course).

e) Transition Metal Chemistry in the Chemistry Department of Brock University, St. Catharines, ON, Canada (3rd 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 (1st year course).

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

i) Materials for Energy Applications in the Chemistry Department of the University of Patras, Patras, Greece (graduate course).

j) Inorganic Chemistry II (theory and *laboratory course)* in the Chemistry Department of the University of Patras, Patras, Greece (2nd year course).

k) Experimental Inorganic Chemistry (laboratory course) in the Chemistry Department of the University of Patras, Patras, Greece (2nd year course).

l) Synthesis and Properties of Molecular Inorganic Materials in the Chemistry Department of the University of Patras, Patras, Greece (graduate course).

m) Chemistry of Inorganic and Catalytic Materials in the Chemistry Department of the University of Patras, Patras, Greece (graduate course).

n) Magnetic and Electrical Properties of Inorganic Materials in the Chemistry Department of the University of Patras, Patras, Greece (graduate course).

o) Bioinorganic Chemistry (part of the graduate course) in the International Graduate Program in Biological Inorganic Chemistry (running partner: University of Ioannina).

p) General and Inorganic Chemistry (FYE-12) in the Hellenic Open University, Patras, Greece.

- ***January 2022 - April 2022*:** Certification of Education from the Center for Education and

Lifelong Learning (KEDIVIM) of the Hellenic Open University, Greece.

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)

15. Dimitris Gougiannos
    (Chemistry Department, University of Patras, Greece)
16. Andrea Lazaridou
    (Chemistry Department, University of Patras, Greece)
17. Christos Tsaltas
    (Chemistry Department, University of Patras, Greece)
18. Sofia-Ourania Argiti
    (Chemistry Department, University of Patras, Greece)
19. Miltiadis Giannoutsos
    (Chemistry Department, University of Patras, Greece)
20. Euaggelia Mitropoulou
    (Chemistry Department, University of Patras, Greece)
21. Ioanna Rouvali
    (Chemistry Department, University of Patras, Greece)
22. Dimitris Valsamis
    (Chemistry Department, University of Patras, Greece)
23. Konstantina H. Baka
    (Chemistry Department, University of Patras, Greece)
24. Dimitris G. Fragkis
    (Chemistry Department, University of Patras, Greece)
25. Chrysovalantis Papadopoulos
    (Chemistry Department, University of Patras, Greece)
26. Athina Dimitriadi
    (Chemistry Department, University of Patras, Greece)
27. Maria Zaradouka
    (Chemistry Department, University of Patras, Greece)
28. Anastasios Mpilias
    (Chemistry Department, University of Patras, Greece)
29. Konstantinos Sotirakopoulos
    (Chemistry Department, University of Patras, Greece)
30. Marianthi Pegiou
    (Chemistry Department, University of Patras, Greece)

31. Ioannis Kapralos
    (Chemistry Department, University of Patras, Greece)
32. Georgia Vervenioti
    (Chemistry Department, University of Patras, Greece)
33. Olga Dioti
    (Chemistry Department, University of Patras, Greece)
34. Pantelina Michail
    (Chemistry Department, University of Patras, Greece)
35. Savina Christodoulou
    (Chemistry Department, University of Patras, Greece)
36. Ektoras-Vasilios Apostolou
    (Chemistry Department, University of Patras, Greece)
37. Alexandros Mpampounis
    (Chemistry Department, University of Patras, Greece)
38. Penelope-Konstantina Mpalaoura
    (Chemistry Department, University of Patras, Greece)
39. Dimitris Kyriakou
    (Chemistry Department, University of Patras, Greece)
40. Ekaterini Toli
    (Chemistry Department, University of Patras, Greece)
41. Konstantinos Anagnostou
    (Chemistry Department, University of Patras, Greece)
42. Charalampia-Eleni Iliopoulou
    (Chemistry Department, University of Patras, Greece)
43. Vagia-Dafni Karamanli
    (Chemistry Department, University of Patras, Greece)
44. Marianna Genethliou
    (Chemistry Department, University of Patras, Greece)
45. Christina Spatoula
    (Chemistry Department, University of Patras, Greece)
46. Rafaella Athanasiou
    (Chemistry Department, University of Patras, Greece)

47. Iliana Vlahaki
    (Chemistry Department, University of Patras, Greece)
48. Michaela Koursarou
    (Chemistry Department, University of Patras, Greece)
49. Ioanna Papageorgiou
    (Chemistry Department, University of Patras, Greece)
50. Dimitrios Mpoumpous
    (Chemistry Department, University of Patras, Greece)
51. Nefeli Bogdanopoulou
    (Chemistry Department, University of Patras, Greece)
52. Ioannis Athanasoulias
    (Chemistry Department, University of Patras, Greece)
53. Konstantina Konstantinidi
    (Chemistry Department, University of Patras, Greece)
54. Lelouda Katsifa
    (Chemistry Department, University of Patras, Greece)
55. Georgios Mavros
    (Chemistry Department, University of Patras, Greece)
56. Andreas Paraskevopoulos
    (Chemistry Department, University of Patras, Greece)
57. Apostolis Pomonis
    (Chemistry Department, University of Patras, Greece)
58. Stylianos Karpouzis
    (Chemistry Department, University of Patras, Greece)
59. Maria Tsaknia
    (Chemistry Department, University of Patras, Greece)
60. Evgenia Tzavella
    (Chemistry Department, University of Patras, Greece)

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. - finished on September 2018)
   (Chemistry Department, Brock University, ON, Canada)
7. Alexandros Armenis (M.Sc. - defended on March 2021)
   (Chemistry Department, University of Patras, Greece)
8. Gavriilia Papanikolaou (M.Sc. - defended on May 2021)
   (Chemistry Department, University of Patras, Greece)
9. Ourania Ioannidou (M.Sc. defended on June 2021)
   (Chemistry Department, University of Patras, Greece)
10. Marina Kordouli (M.Sc. - defended on June 2023)
    (Chemistry Department, University of Patras, Greece)
11. Vasiliki Metsou (M.Sc. - defended on July 2023)
    (Chemistry Department, University of Patras, Greece)
12. Konstantina H. Baka (M.Sc. - defended on February 2024)
    (Chemistry Department, University of Patras, Greece)
13. Dimitris G. Fragkis (M.Sc. - defended on February 2024)
    (Chemistry Department, University of Patras, Greece)
14. Chrysovalantis Papadopoulos (M.Sc. - defended on March 2024)
    (Chemistry Department, University of Patras, Greece)
15. Athina Dimitriadi (M.Sc. - defended on March 2024)
    (Chemistry Department, University of Patras, Greece)
16. Konstantinos Sotirakopoulos (M.Sc. - defended on February 2024)
    (Chemistry Department, University of Patras, Greece)
17. Christos Antonopoulos (M.Sc. pending)
    (Chemistry Department, University of Patras, Greece)

18. Maria Zaradouka (M.Sc. pending)
    (Chemistry Department, University of Patras, Greece)
19. Sofia-Ourania Argiti (M.Sc. pending)
    (Chemistry Department, University of Patras, Greece)
20. Georgia Vervenioti (M.Sc. pending)
    (Chemistry Department, University of Patras, Greece)
21. Dimitrios Karaoulanis (M.Sc. pending)
    (Chemistry Department, University of Patras, Greece)
22. Dimitrios Mpoumpous (M.Sc. pending)
    (Chemistry Department, University of Patras, Greece)
23. Nefeli Bogdanopoulou (M.Sc. pending)
    (Chemistry Department, University of Patras, Greece)
24. Ioannis Athanasoulias (M.Sc. pending)
    (Chemistry Department, University of Patras, Greece)

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. - 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)
6. Konstantinos Pantelis (Ph.D. – defended on March 2024)
   (Chemistry Department, University of Patras, Greece)
7. Georgia Bakali (Ph.D. pending)
   (Chemistry Department, University of Patras, Greece)
8. Alexandros Armenis (Ph.D. pending)
   (Chemistry Department, University of Patras, Greece)

9. Marina Kordouli (Ph.D. pending)
   (Chemistry Department, University of Patras, Greece)
10. Konstantina H. Baka (Ph.D. pending)
    (Chemistry Department, University of Patras, Greece)

Research Assistants (summer students: volunteers and funded through "Match of Minds" program, NCSERC USRA and ERASMUS+)

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)
12. Mathilda Lesacher (Internship student from Sigma-Clermont, France)
    (Chemistry Department, University of Patras, Greece)

Post-Doctoral Fellows

1. Dr. Georgios Karotsis
   (Department of Chemistry, The University of Utah Asia Campus, Incheon, Korea)
2. Dr. Luca Carrella
   (Chemistry Department, University of Mainz, Germany)
3. Dr. Spyridon Grammatikopoulos
   (Foundation of Research and Technology-Hellas, Institute of Chemical Engineering Sciences, Patras, Greece)
4. Dr. Vasilios Duros
   (WEST Chem, School of Chemistry, University of Glasgow, Glasgow, UK)

Fellowships and Grants:

- **"C. KARATHEODORY"**, Graduate Student 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). Graduate Student Fellowship
- **"PHD-20 (HPMT-CT-2001-00421)"**, Marie-Curie Research Training Site, University of Cyprus (1/9/2004 - 1/2/2005). Graduate Student Fellowship
- **"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 NANOMAGNETS"**, National Science Foundation (10/10/2005 - 31/3/2006). Graduate Student Fellowship
- **"CHEMISTRY RESEARCH IN SINGLE MOLECULE NANOMAGNETS"**, National Science Foundation (1/10/2006 - 13/12/2008). Postdoctoral Fellowship.
- **"SCHOLARSHIP 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.
- **"BILATERAL EDUCATIONAL PROGRAMME"**, 2011.
  Title: "Collaborative Research Activities with the Institute of Inorganic Chemistry, Technology and Materials in Slovak University of Technology (Bratislava, Slovakia)".

Budget: Full coverage of transportation, accommodation, and per diem expenses.

- **"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: $100,000 (+ $62,000 matching contribution from Brock University)

- **"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

- **"STAFF MOBILITY FOR TRAINING"**, 2019. ERASMUS+, European Commission.

  Budget: €1,800 for transportation, accommodation, per diem, etc.

- **"SUPPORT OF RESEARCHERS WITH EMPHASIS IN NEW RESEARCHERS - ROUND B"**, 2019. ESPA 2014 - 2020.

  Title: "New Families of Molecular Ferromagnetic Materials with Implications in Molecular Electronics and Spintronics".

  Budget: €45,500

- **"BILATERAL EDUCATIONAL PROGRAMME"**, 2019.
  Title: "Collaborative Research Activities with Regional Centre of Advanced Technologies and Materials, (RCPTM) at Palacky University in Olomouc, Czech Republic".
  Budget: Full coverage of transportation, accommodation, and per diem expenses.
- **"HELLENIC FOUNDATION FOR RESEARCH AND INNOVATION"**, 2020.
  H.F.R.I. Scholarships to PhD Candidates
  Title: "Heterometallic 3d/4f Coordination Complexes with Magnetic, Optical or/and Catalytic Properties".
  Budget: 20,700 € (PI of the grant; scholarship for my PhD student Mr. Konstantinos Pantelis)
- **"MODY-ELKE UNIVERSITY OF PATRAS"**, 2021-2022.
  Title: "Supporting Research Activity in Inorganic Chemistry".
  Budget: 1,626.46 €
- **"AGRI.FE.M LTD"**, 2024.
  Title: "Synthesis and Characterization of Iron and Zinc Nanoparticles as Liquid Fertilizers".
  Budget: 6,000.00 €

Fellowships and Grants (rejected or under submission):

- **"CANADA FOUNDATION FOR INNOVATION"**, 2014.
  Title: "A Fiber Optic Equipped Superconducting QUantum Interference Device (SQUID) for the Characterization of Hybrid Materials".
  Budget: $874,275 (rejected)
- **"EUROPEAN COMMISSION – HORIZON"**, 2019.
  Call: H2020-MSCA-IF-2019. (Marie Skłodowska-Curie Individual Fellowships)
  Title: "New Classes of Exclusively Inorganic-Bridged High-Spin Molecules and Single-Molecule Magnets: A Foundation to Hybrid Magnetic Materials with Implications in Quantum Technologies".
  Budget: 165,000 € (rejected)
- **"HELLENIC FOUNDATION FOR RESEARCH AND INNOVATION"**, 2020. Research Projects to Support Faculty Members & Researchers
  Title: "Towards Molecular Spintronics from the Preparation of Hybrid Materials Composed of Molecular Nanomagnets and Conductive Substrates".
  Budget: 200,000 € (rejected)

- **"EUROPEAN COMMISSION – HORIZON**", 2022.
  CL4-2022-RESILIENCE-01-24 - Novel materials for supercapacitor energy storage
  Title: "Disruptive Hybrid Energy Storage from Low-dimensional Supercapacitive Materials and Redox Metal-ion Networks".
  Budget: 5,400,000 € (on reserve list)
- **"HELLENIC FOUNDATION FOR RESEARCH AND INNOVATION"**, 2022.
  H.F.R.I. grants for Faculty Members and Researchers
  Title: "Energy Storage from Hybrid Supercapacitive Materials and Redox Inorganic Networks".
  Budget: 299,232 € (PI; rejected)
- **"HELLENIC FOUNDATION FOR RESEARCH AND INNOVATION"**, 2022.
  H.F.R.I. grants for Faculty Members and Researchers
  Title: "Novel Composite Membranes for CO_2 Capture and Methanol Production".
  Budget: 188,330 € (co-PI; under submission)
- **"HORIZON-WIDERA-2023-ACCESS-02 (Twinning)"**, 2023.
  Title: "Transition to Excellence in Life and Advanced (Nano)Materials Science and Technology in Western Greece".
  Budget: 1,500,000.00 € (co-PI; rejected)

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.

- **OUTSTANDING REVIEWER**, Recognition from ChemPubSoc Europe
  - Awarded in recognition of an outstanding contribution to peer review for ChemPubSoc Europe and its sister journal Angewandte Chemie as well as Asian Chemical Editorial Society (ACES) journals.
  - Among the top 10% of reviewers for *Angewandte Chemie* (2021).

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, and multidimensional coordination polymers).
- *Synthesis* of metal nanoparticles.
- *Synthesis* of oximato- and Schiff-base organic ligands.
- *Synthesis* of chiral and macrocyclic organic ligands.
- *Synthesis* of hybrid molecular/nanoscale materials.
- *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 and hybrid materials with *thermal techniques* (TG/DTG, DTA, DSC), *electrochemistry* and *cyclic voltammetry (CV)*, *spectroscopic methods* (*IR*, *far-IR*, *Raman*, *XPS*, *UV/VIS*, *Mössbauer*, *EPR*, *HFEPR*, *NMR*, *Mass-spec* (*ES*, *EI*, *MALDI*)), and *elemental analysis*.

- *Characterization* of hybrid materials with *Electron Microscopy Techniques* (*SEM*, *TEM*) and *Scanning Probe Microscopy* (*AFM*, *STM*).
- *Determination* of the *optical properties* of coordination compounds using *fluorescent spectrophotometers* and *circular dichroism instrumentation*.
- *Complete Magnetic Characterization* of chemical compounds and hybrid materials 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:

- "Laboratory Chemistry Guide", Geology Department, University of Patras, Patras 2012, Greece.
  Th. C. Stamatatos
  ** Copyrights for material reproduction: University of Patras (Greece)
- "General Chemistry", by C. Mitsopoulou, N. Thomaidis, I. Papaefstathiou, X. Semiladas, G. Psomas and **Th. C. Stamatatos**, Papazissis Publishers, Athens, Greece, 2021.
  Greek Translation from the American original edition:

"Chemistry", 13th Edition, by R. Chang and J. Overby, McGraw-Hill Education, New York, 2019.
Authors in Greek edition were involved in translation and scientific editing of both the main text and the manual solution.

- "Molecular Quantum Mechanics", by D. Tzeli, X. Semiladas, A. Chrisanthopoulos and **Th. C. Stamatatos**, Papazissis Publishers, Athens, Greece, 2024.
  Greek Translation from the original edition:
  "Molecular Quantum Mechanics", 5th Edition, by P. Atkins and R. Friedman, Oxford University Press, New York, 2011.
  Authors in Greek edition were involved in translation and scientific editing of both the main text and the manual solution.
- "Supporting Teaching Material and Exercises for Students of FYE-12", A. Salifoglou, P. Kyritsis, **Th. C. Stamatatos**, Hellenic Open University, 2024.

Military Service (obligatory for Greek male 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.
- "Regional Growth Conference",
  Conference & Cultural Center of the University of Patras, Patras, March 16-18, 2023.

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 $[Mn^{II/III}_8(\mu_4\text{-}O)_2(\mu_3\text{-}OH)_2]^{14+}$ 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**, 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.
4. 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, Oral Presentation by SPP.
5. **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.

6. **Th. C. STAMATATOS**, K. PRIGGOURI, 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.
7. **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.
8. **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.
9. 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.
10. **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.
11. **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.

12. **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.

13. **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.

14. **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, Oral presentation by S.P.P.

15. **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.

16. G. VLAHOLOULOU, **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",

20st Panhellenic Conference on Chemistry, University of Ioannina, Ioannina, Greece, September

20-24, 2005, p. 319 in the Book of Abstracts, Poster Presentation.

17. 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",
20st Panhellenic Conference on Chemistry, University of Ioannina, Ioannina, Greece, September 20-24, 2005, p. 314 in the Book of Abstracts, Poster Presentation.
18. 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",
20st Panhellenic Conference on Chemistry, University of Ioannina, Ioannina, Greece, September 20-24, 2005, p. 317 in the Book of Abstracts, Poster Presentation.
19. 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",
20st Panhellenic Conference on Chemistry, University of Ioannina, Ioannina, Greece, September 20-24, 2005, p. 313 in the Book of Abstracts, Poster Presentation.
20. **Th. C. STAMATATOS**, C. PAPATRIANTAFYLLOPOULOU, E. KATSOULAKOU, C. P. RAPTOPOULOU and S. P. PERLEPES,
"2-Pyridyloximates as Central Players in the Field of Molecular Magnetism: High-Nuclearity Homo- and Heterometallic Clusters",
10th International Conference on Molecule-based Magnets, Victoria, Canada, August 13-17, 2006, p. 0187 in the Book of Abstracts, Oral presentation by S.P.P.
21. G. S. PAPAEFSTATHIOU, **Th. C. STAMATATOS**, C. G. EFTHYMIOU, S. P. PERLEPES, A. K. BOUDALIS, C. P. RAPTOPOULOU, A. TERZIS, Y. SANAKIS, V. PSYCHARIS, R. VICENTE, A. ESCUER, J.- P. TUCHAGUES and C. J. MILIOS,
"A General Synthetic Route for the Preparation of High-spin Molecules: Replacement of μ_x-OH^- Ligands in Molecular Clusters by η^1:μ_x-N_3^- or η^1:μ_x-OCN^- Ligands (x = 2-4)",
10th International Conference on Molecule-based Magnets, Victoria, Canada, August 13-17,

2006, p. 0160 in the Book of Abstracts, Poster Presentation.

22. S.- C. LEE, S. DATTA, S. HILL, **Th. C. STAMATATOS**, S. P. PERLEPES, D. FOGUET-ALBIOL and G. CHRISTOU,
"High-Frequency EPR Characterization of a Triangular Mn_3 Single-Molecule Magnet",
10th International Conference on Molecule-based Magnets, Victoria, Canada, August 13-17, 2006, p. 0166 in the Book of Abstracts, Poster Presentation.
23. E. E. MOUSHI, **Th. C. STAMATATOS**, V. NASTOPOULOS, G. CHRISTOU, A. J. TASIOPOULOS and W. WERNSDORFER,
"Synthesis, Crystal Structures and Magnetic Properties of Two New 3D Coordination Polymers Composed of Mn_{19} Repeating Units",
10th International Conference on Molecule-based Magnets, Victoria, Canada, August 13-17, 2006, p. 0109 in the Book of Abstracts, Poster Presentation.
24. **Th. C. STAMATATOS**, C. LAMPROPOULOS, W. WERNSDORFER, K. A. ABBOUD and G. CHRISTOU,
"A New World Record for the Spin on a Molecule: A New Mn_{25} Complex Possessing an S = 61/2 Ground State and Single-Molecule Magnetism Behavior",
10th International Conference on Molecule-based Magnets, Victoria, Canada, August 13-17, 2006, p. 0170 in the Book of Abstracts, Poster Presentation.
25. **Th. C. STAMATATOS**, D. FOGUET-ALBIOL, A. MASELLO, C. C. STOUMPOS, C. P. RAPTOPOULOU, W. WERNSDORFER, S. P. PERLEPES, G. CHRISTOU and A. TERZIS,
"New Structural Motifs in Manganese Single-Molecule Magnetism from the Use of 2-pyridyloximates Ligands",
10th International Conference on Molecule-based Magnets, Victoria, Canada, August 13-17, 2006, p. 0172 in the Book of Abstracts, Poster Presentation.
26. **Th. C. STAMATATOS**, C. LAMPROPOULOS, K. A. ABBOUD, W. WERNSDORFER and G. CHRISTOU,
"High Nuclearity, High Symmetry, High Spin Molecules: A Mixed-Valence Mn_{10} Cage Possessing Rare T Symmetry and an S = 22 Ground State",
10th International Conference on Molecule-based Magnets, Victoria, Canada, August 13-17, 2006, p. 0174 in the Book of Abstracts, Poster Presentation.
27. **Th. C. STAMATATOS**, C. P. RAPTOPOULOU, A. TERZIS, R. VICENTE, A. ESCUER and S. P. PERLEPES,

"Pyridine-2,6-dimethanol in Cu(II) Carboxylate Chemistry: Synthesis, Crystal Structures and Magnetic Characterization of Polynuclear and Polymeric Cu(II) Complexes",

3rd Conference of the Hellenic Crystallographic Association, Patras, Greece, September 22-24, 2006, one page in the Book of Abstracts, Poster Presentation (Poster P34).

28. G. LAZARI, **Th. C. STAMATATOS**, C. P. RAPTOPOULOU, A. TERZIS, E. G. BAKALBASSIS and S. P. PERLEPES,

"Synthetic, Structural and Reactivity Studies on the Copper(II)/1-methylbenzotriazole Reaction System",

3rd Conference of the Hellenic Crystallographic Association, Patras, Greece, September 22-24, 2006, one page in the Book of Abstracts, Poster Presentation (Poster P18).

29. **Th. C. STAMATATOS**, C. C. STOUMPOS, C. P. RAPTOPOULOU, A. TERZIS, W. WERNSDORFER, G. CHRISTOU and S. P. PERLEPES,

"New Structural Motifs and Interesting Magnetic Properties in Manganese Cluster Chemistry from the Use of 2-Pyridyloximate Ligands",

3rd Conference of the Hellenic Crystallographic Association, Patras, Greece, September 22-24, 2006, one page in the Book of Abstracts, Poster Presentation (Poster P37).

30. J. VLAHOPOULOU, **Th. C. STAMATATOS**, C. P. RAPTOPOULOU, A. K. BOUDALIS and S. P. PERLEPES,

"Complexes Containing the $\{Cu^{II}_3(\mu_3\text{-}OH)\}^{5+}$ and $\{Cu^{II}_4(\mu_3\text{-}OH)_2\}^{6+}$ Cores via Use of Carboxylate/2-Pyridyloximate 'Blends'",

3rd Conference of the Hellenic Crystallographic Association, Patras, Greece, September 22-24, 2006, one page in the Book of Abstracts, Poster Presentation (Poster P40).

31. **Th. C. STAMATATOS**, C. LAMPROPOULOS, W. WERNSDORFER, K. A. ABBOUD and G. CHRISTOU,

"A New World Record for the Spin on a Molecule: A New Mn_{25} Complex Possessing an S = 61/2 Ground State and Single-Molecule Magnetism Behavior",

Florida Inorganic Mini-Symposium, Gainesville, Florida, USA, October 14, 2006, Poster Presentation.

32. **Th. C. STAMATATOS**, C. LAMPROPOULOS, K. A. ABBOUD, W. WERNSDORFER and G. CHRISTOU,

"High Nuclearity, High Symmetry, High Spin Molecules: A Mixed-Valence Mn_{10} Cage Possessing Rare T Symmetry and an S = 22 Ground State",

Florida Inorganic Mini-Symposium, Gainesville, Florida, USA, October 14, 2006, Poster Presentation.

33. **Th. C. STAMATATOS**, P. KING, K. A. ABBOUD and G. CHRISTOU,
"Reversible Size Modification of the Iron and Gallium Molecular Wheels: A New Synthetic Approach",
Florida Inorganic Mini-Symposium, Gainesville, Florida, USA, October 14, 2006, Poster Presentation.
34. T. TAGUCHI, **Th. C. STAMATATOS**, K. A. ABBOUD and G. CHRISTOU,
"A Search for High-Spin Molecules and Single-Molecule Magnets: Polynuclear Iron(III) Complexes with the Anions of 2-Pyridyl Alcohols",
Florida Inorganic Mini-Symposium, Gainesville, Florida, USA, October 14, 2006, Poster Presentation.
35. C. J. MILIOS, **Th. C. STAMATATOS**, E. KATSOULAKOU, C. PAPATRIANTAFYLLOPOULOU, C. G. EFTHYMIOU, A. KAGELARI, J. VLAHOPOULOU, G. LAZARI, K. LAZAROU, K. KONIDARIS, C. C. STOUMPOS, A. SOFETIS, E. MANESSI-ZOUPA, Th. F. ZAFIROPOULOS, E. BRECHIN and S. P. PERLEPES,
"Microwave Syntheses, Hydro(solvo)thermal Techniques and Solid-state Reactions: New Synthetic Tools in Inorganic Chemistry",
2nd Panhellenic Symposium on Green Chemistry, Patras, Greece, March 8-10, 2007, p. 3 in the Book of Abstracts, Oral presentation by S.P.P.
36. C. G. EFTHYMIOU, C. PAPATRIANTAFYLLOPOULOU, **Th. C. STAMATATOS**, V. NASTOPOULOS, A. TERZIS, C. P. RAPTOPOULOU, A. TASIOPOULOS, A. ESCUER, G. CHRISTOU and S. P. PERLEPES,
"In Search for Transition Metal-Lanthanide Single-Molecule Magnets",
9th FIGIPAS Meeting in Inorganic Chemistry, Vienna, Austria, July 4-7, 2007, p. PO111 in the Book of Abstracts, Poster Presentation.
37. J. C. VLAHOPOULOU, **Th. C. STAMATATOS**, Y. SANAKIS, C. P. RAPTOPOULOU, A. TERZIS, A. BOUDALIS and S. P. PERLEPES,
"Homometallic Copper(II) Clusters from the Use of 2-Pyridyl Oximes",
9th FIGIPAS Meeting in Inorganic Chemistry, Vienna, Austria, July 4-7, 2007, p. PO109 in the Book of Abstracts, Poster Presentation.

38. E. E. MOUSHI, **Th. C. STAMATATOS**, C. LAMPROPOULOS, V. NASTOPOULOS, W. WERNSDORFER, G. CHRISTOU and A. J. TASIOPOULOS,
"Synthesis, Crystal Structures and Magnetic Properties of Two New High Nuclearity Manganese Clusters with 1,3-Propanediol",
9th FIGIPAS Meeting in Inorganic Chemistry, Vienna, Austria, July 4-7, 2007, p. PO110 in the Book of Abstracts, Poster Presentation.

39. C. G. EFTHYMIOU, **Th. C. STAMATATOS**, A. TASIOPOULOS, C. P. RAPTOPOULOU, A. ESCUER, G. CHRISTOU and S. P. PERLEPES,
"Chemistry of 3d/4f Heterometallic Complexes Based on Di-2-pyridyl Ketone",
2nd North America - Greece - Cyprus Workshop on Paramagnetic Materials, Syros, Greece, June 18-21, 2007, Oral presentation by C.G.E.

40. **Th. C. STAMATATOS**, A. G. CHRISTOU, C. M. JONES, B. J. O'CALLAGHAN, K. A. ABBOUD, T. A. O'BRIEN and G. CHRISTOU,
"'Squaring the Circle': Molecular Multi-loop Structures from Chelate-induced Structural Transformations of Known Fe_{10} and New Fe_{12} Ferric Wheels",
Florida Inorganic Mini-Symposium, Gainesville, Florida, USA, September 22, 2007, Poster Presentation.

41. **Th. C. STAMATATOS**, S.- C. LEE, C. P. RAPTOPOULOU, W. WERNSDORFER, S. O. HILL, S. P. PERLEPES and G. CHRISTOU,
"'Switching on' the Properties of Single-Molecule Magnetism in Triangular Manganese(III) Complexes",
Florida Inorganic Mini-Symposium, Gainesville, Florida, USA, September 22, 2007, Poster Presentation.

42. C.- Y. CHENG, **Th. C. STAMATATOS**, C. R. BOWERS and G. CHRISTOU,
"Kinetics of Exchange and Single-file Diffusion of Xe in the Channels of the Ga_{10} Wheel and Other Nanotube Materials: A Hyperpolarized Xenon-129 NMR Study",
Florida Annual Meeting and Exposition, Orlando, USA, May 8-10, 2008, p. 49 in the Book of Abstracts, Oral presentation by C.R.B.

43. T. TAGUCHI, **Th. C. STAMATATOS**, K. A. ABBOUD, C. M. JONES, K. M. POOLE, T. A. O'BRIEN and G. CHRISTOU,
"New Fe_4, Fe_6 and Fe_8 Clusters of Iron(III) from the Use of 2-Pyridyl Alcohols: Structural, Magnetic, and Computational Characterization",

Florida Annual Meeting and Exposition, Orlando, USA, May 8-10, 2008, p. 85 in the Book of Abstracts, Poster Presentation.

44. Z. WANG, S. NELLUTLA, J. Van TOL, N. KAUR, **Th. C. STAMATATOS**, G. CHRISTOU and N. DALAL,
"Variable Frequency EPR Characterization of Mn_{25} with High Ground State Spin S = 51/2, 61/2 and 65/2",
Florida Annual Meeting and Exposition, Orlando, USA, May 8-10, 2008, p. 88 in the Book of Abstracts, Poster Presentation.

45. T. TAGUCHI, **Th. C. STAMATATOS**, K. A. ABBOUD, C. M. JONES, K. M. POOLE, T. A. O'BRIEN and G. CHRISTOU,
"New Fe_4, Fe_6 and Fe_8 Clusters of Iron(III) from the Use of 2-Pyridyl Alcohols: Structural, Magnetic, and Computational Characterization",
236th National American Chemical Society Meeting, Philadelphia, USA, August 17-21, 2008, p. INORG558 in the Book of Abstracts, Poster Presentation.

46. **Th. C. STAMATATOS** and G. CHRISTOU,
"Pyridyl Alcohols and Pyridyl Oximes as Multifunctional Ligands in 3d-Metal cluster Chemistry: High-Nuclearity, High-Spin Molecules and Single-Molecule Magnets",
11th International Conference on Molecule-based Magnets, Florence, Italy, September 21-25, 2008, p. 177 in the Book of Abstracts, Poster Presentation.

47. C. PAPATRIANTAFYLLOPOULOU, C. C. STOUMPOS, K. GKOTSIS, A. A. KITOS, H. SARTZI, **Th. C. STAMATATOS**, C. P. RAPTOPOULOU, A. TERZIS, V. PSYCHARIS, G. CHRISTOU and S. P. PERLEPES,
"Octanuclear Mn Clusters from the Use of 2-Pyridyloximate Ligands",
11th International Conference on Molecule-based Magnets, Florence, Italy, September 21-25, 2008, p. 128 in the Book of Abstracts, Poster Presentation.

48. E. E. MOUSHI, **Th. C. STAMATATOS**, V. NASTOPOULOS, W. WERNSDORFER, G. CHRISTOU and A. J. TASIOPOULOS,
"A New Family of Multidimensional Coordination Polymers Composed of High-Spin [Mn_{17}] Octahedral Units",
11th International Conference on Molecule-based Magnets, Florence, Italy, September 21-25, 2008, p. 186 in the Book of Abstracts, Poster Presentation.

49. E. del BARCO, J. J. HENDERSON, C. M. RAMSEY, **Th. C. STAMATATOS** and G.

CHRISTOU,

"Control of the Inhomogeneity Degree by Magnetic Dilution in Crystals of Antiferromagnetic Molecular Rings",

37th Southeastern Magnetic Resonance Conference, Tallahassee, Florida, USA, October 17-19, 2008, p. 37 in the Book of Abstracts. Oral presentation by E.B.

50. C. PAPATRIANTAFYLLOPOULOU, **Th. C. STAMATATOS**, K. ABBOUD and G. CHRISTOU,

"Heterometallic Manganese/Lanthanide Single-Molecule Magnets",

Florida Annual Meeting and Exposition, Orlando, USA, May 14-16, 2009, p. 50 in the Book of Abstracts. Oral presentation by C.P.

51. Z. WANG, **Th. C. STAMATATOS**, J. Van TOL, S. NELLUTLA, N. KAUR, G. CHRISTOU and N. DALAL,

"Variable Frequency EPR Characterization of Mn_{25} with High Ground State Spin $S = 61/2$",

Florida Annual Meeting and Exposition, Orlando, USA, May 14-16, 2009, p. 71 in the Book of Abstracts, Poster Presentation.

52. S. MUKHERJEE, **Th. C. STAMATATOS**, K. A. ABBOUD and G. CHRISTOU,

"Targeted Synthesis of a Family of Single Stranded Molecular Wheels and Their Reversible Size Modification",

Florida Annual Meeting and Exposition, Orlando, USA, May 14-16, 2009, p. 86 in the Book of Abstracts, Poster Presentation.

53. C. G. EFTHYMIOU, **Th. C. STAMATATOS**, V. NASTOPOULOS, A. TASIOPOULOS, S. P. PERLEPES and G. CHRISTOU,

"Constructing Single-Molecule Magnets Through the Synergy of Heterometal Spins - A Family of Nickel-Lanthanide Clusters",

Florida Annual Meeting and Exposition, Orlando, USA, May 14-16, 2009, p. 100 in the Book of Abstracts, Poster Presentation.

54. N. ALEXOPOULOU, G. C. VLACHOPOULOU, M. TSAPARDONI, C. P. RAPTOPOULOU, A. TERZIS, V. TANGOULIS, A. ESCUER, **Th. C. STAMATATOS** and S. P. PERLEPES,

"Initial Employment of Pyridine-2,6-Dimethanol as a Route to Polynuclear Divalent 3d-Metal Complexes",

3rd North America - Greece - Cyprus Workshop on Paramagnetic Materials, Protaras, Cyprus, June 15-19, 2009, p. 8 in the Book of Abstracts. Oral presentation by N.A.

55. **Th. C. STAMATATOS**, C. G. EFTHYMIOU, C. C. STOUMPOS and S. P. PERLEPES, "Adventures in the Metal Cluster Chemistry of Di-2-pyridyl Ketone and Related Ligands", *3rd North America - Greece - Cyprus Workshop on Paramagnetic Materials*, Protaras, Cyprus, June 15-19, 2009, p. 51 in the Book of Abstracts. Oral presentation by S.P.P.
56. E. E. MOUSHI, **Th. C. STAMATATOS**, V. NASTOPOULOS, W. WERNSDORFER, G. CHRISTOU and A. J. TASIOPOULOS, "A Mn_{17} Octahedron with a Giant Ground-State Spin: Occurrence in Discrete Form and as Multidimensional Coordination Polymers", *3rd North America - Greece - Cyprus Workshop on Paramagnetic Materials*, Protaras, Cyprus, June 15-19, 2009, p. 44 in the Book of Abstracts. Oral presentation by E.E.M.
57. D. I. ALEXANDROPOULOS, C. PAPATRIANTAFYLLOPOULOU, M. J. MANOS, A. J. TASIOPOULOS, O. ROUBEAU, S. J. TEAT, G. AROMI, S. P. PERLEPES, G. CHRISTOU and **Th. C. STAMATATOS**, "Old Ligands with New Coordination Chemistry: Unusual, High-Nuclearity Manganese Clusters Bearing the Anions of 2-Pyridyl Oximes and Exhibiting Interesting Magnetic Properties", *3rd Workshop on Current Trends in Nanoscale and Molecular Magnetism*, Orlando, USA, June 20-25, 2010. One page in the Book of Abstracts. Oral presentation by D.I.A.
58. G. CHRISTOU, **Th. C. STAMATATOS**, C. PAPATRIANTAFYLLOPOULOU and A. SAHA, "Some Recent Results in Manganese Cluster Chemistry and Single-Molecule Magnetism", *3rd Workshop on Current Trends in Nanoscale and Molecular Magnetism*, Orlando, USA, June 20-25, 2010. One page in the Book of Abstracts. Oral presentation by G.C.
59. S. P. PERLEPES, C. G. EFTHYMIOU, A. KITOS, **Th. C. STAMATATOS** and C. C. STOUMPOS, "Metal Cluster Chemistry of Di-2-pyridyl Ketone and Related Ligands: From High-Spin Molecules and Single-Molecule Magnets to an Exciting New Reactivity Chemistry of Coordinated Ligands", *3rd Workshop on Current Trends in Nanoscale and Molecular Magnetism*, Orlando, USA, June 20-25, 2010. One page in the Book of Abstracts. Oral presentation by S.P.P.
60. A. J. TASIOPOULOS, E. E. MOUSHI, M. CHARALAMBOUS, 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",

3rd Workshop on Current Trends in Nanoscale and Molecular Magnetism, Orlando, USA, June 20-25, 2010. One page in the Book of Abstracts. Oral presentation by A.J.T.

61. C. BOWERS, C.- Y. CHENG, **Th. C. STAMATATOS** and G. CHRISTOU,
"Application of Hyperpolarized Xenon-129 NMR to Single File Diffusion and Exchange Dynamics in Nanoporous Materials",
10th Bologna Conference on Magnetic Resonance in Porous Media (MRPM 10), Leipzig, Germany, September 12-16, 2010. Page 18 in the Book of Abstracts. Oral presentation by C.B.
62. C. G. EFTHYMIOU, A. GEORGOPOULOU, C. PAPATRIANTAFYLLOPOULOU, D. DERMITZAKI, C. D. POLYZOU, A. J. TASIOPOULOS, C. P. RAPTOPOULOU, A. TERZIS, L. CUNHA-SILVA, W. WERNSDORFER, **Th. C. STAMATATOS**, A. ESCUER, G. CHRISTOU and S. P. PERLEPES,
"In Search for M^{II}/Ln^{III} Clusters and Single-Molecule Magnets (M = Co, Ni, Cu; Ln = Lanthanide)",
EICC-1: First EuCheMS Inorganic Chemistry Conference, Manchester, UK, April 11-14, 2011. One page in the Book of Abstracts. Oral presentation by S.P.P.
63. D. I. ALEXANDROPOULOS, C. PAPATRIANTAFYLLOPOULOU, M. J. MANOS, G. AROMI, O. ROUBEAU, S. J. TEAT, S. P. PERLEPES, G. CHRISTOU and **Th. C. STAMATATOS**,
"New Structural Motifs and Interesting Magnetic Properties in Manganese Cluster Chemistry from the Use of 2-Pyridyl Oximate Ligands",
EICC-1: First EuCheMS Inorganic Chemistry Conference, Manchester, UK, April 11-14, 2011. One page in the Book of Abstracts. Poster Presentation.
64. E. S. KOUMOUSI, C. PAPATRIANTAFYLLOPOULOU, C. P. RAPTOPOULOU, V. PSYCHARIS, M. MANOS, S. J. TEAT, G. CHRISTOU, S. P. PERLEPES and **Th. C. STAMATATOS**,
"Introducing *in situ* Generated Ligands in Manganese Cluster Chemistry: A Large Family of Mixed-Valence Mn(II/III) Complexes with Unprecedented Topologies and Interesting Magnetic Properties",
EICC-1: First EuCheMS Inorganic Chemistry Conference, Manchester, UK, April 11-14, 2011. One page in the Book of Abstracts. Poster Presentation.
65. D. I. ALEXANDROPOULOS, S. MUKHERJEE, C. PAPATRIANTAFYLLOPOULOU, C. P. RAPTOPOULOU, V. PSYCHARIS, V. BEKIARI, S. P. PERLEPES, G. CHRISTOU and **Th.**

C. STAMATATOS,

"A New Family of Enneanuclear Lanthanide Complexes Exhibiting Intriguing Magnetic and Optical Properties",

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66. 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. Oral presentation by E.S.K.

67. 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. Oral presentation by D.I.A.

68. 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",

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69. 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. Oral presentation by G.C.

70. 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. Oral presentation by E.S.K.

71. S. P. PERLEPES, C. G. ERTHYMIOU, 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 of 3d/4f-Metal Clusters and Single-Molecule Magnets",
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72. 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",
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73. 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. Oral presentation by A.J.T.
74. 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. Oral presentation by E.S.K.
75. 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. Oral presentation by K.I.A.

76. 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 Discussion Weekend, University of Ottawa, Ottawa, Ontario, Canada, November 2-4, 2012. One page in the Book of Abstracts. Oral presentation by D.I.A.

77. 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 Discussion Weekend, University of Ottawa, Ottawa, Ontario, Canada, November 2-4, 2012. One page in the Book of Abstracts. Poster Presentation.

78. M. GIOULI, I. I. VERGINADIS, **Th. C. STAMATATOS**, K. F. KONIDARIS, C. P. RAPTOPOULOU, V. PSYCHARIS, A. VASILIADIS, A. S. AFENDA, 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.

79. 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",

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80. 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. Oral presentation by D.D.

81. 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",
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82. A. ALAIMO, L. CUNHA-SILVA and **Th. C. STAMATATOS**,
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83. A. ATHANASOPOULOU, C. P. RAPTOPOULOU, A. ESCUER and **Th. C. STAMATATOS**,
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84. D. P. GIANNOPOULOS, W. WERNSDORFER, G. CHRISTOU and **Th. C. STAMATATOS**,
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85. E. C. MAZARAKIOTI, L. CUNHA-SILVA and **Th. C. STAMATATOS**,
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86. J. SITKO, L. CUNHA-SILVA and **Th. C. STAMATATOS**,
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87. 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. Oral presentation by A.J.T.

88. 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.

89. 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.

90. 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.

91. 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",

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92. D. I. ALEXANDROPOULOS, L. CUNHA-SILVA, A. ESCUER and **Th. C. STAMATATOS**,

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93. P. RICHARDSON, D. I. ALEXANDROPOULOS, L. CUNHA-SILVA, G. LORUSSO, M. EVENGELISTI, J. TANG and **Th. C. STAMATATOS**,

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94. A. ALAIMO, S. J. TEAT, G. CHRISTOU and **Th. C. STAMATATOS**,

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95. D. P. GIANNOPOULOS, L. CUNHA-SILVA, G. CHRISTOU and **Th. C. STAMATATOS**,

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96. E. C. MAZARAKIOTI, K. M. POOLE, L. CUNHA-SILVA, G. CHRISTOU and **Th. C. STAMATATOS**,

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97. 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 Discussion Weekend, Royal Military College, Kingston, Ontario, Canada, November 6-8, 2015, p. 50 in the Book of Abstracts. Poster presentation.

98. A. J. TASIOPOULOS, E. E. MOUSHI, M. CHARALAMBOUS, C.

PAPATRIANTAFYLLOPOULOU, C. LAMPROPOULOS, **Th. C. STAMATATOS**, V. NASTOPOULOS, W. WERNSDORFER and G. CHRISTOU,
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99. P. ABBASI, A. PHAM, D. CUTLER, **Th. C. STAMATATOS** and M. PILKINGTON,
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49th Inorganic Discussion Weekend, McMaster University, Hamilton, Ontario, Canada, November 11-13, 2016, p. 52 in the Book of Abstracts. Poster presentation.
100. 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. Oral presentation by J.T.B.
101. A. WORRELL, C. LAMPROPOULOS, J. TANG and **Th. C. STAMATATOS**,
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102. E. C. MAZARAKIOTI, P. KAUR, L. CUNHA-SILVA, W. WERNSDORFER, J. TANG and **Th. C. STAMATATOS**,
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103. A. ALAIMO, L. CUNHA-SILVA, S. J. TEAT, G. CHRISTOU and **Th. C. STAMATATOS**,
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104. M. PILKINGTON, A. A. ATHANASOPOULOU, P. ABBASI, S. J. TEAT, W.

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105. P. ABBASI, A. PHAM, D. CUTLER, **Th. C. STAMATATOS** and M. PILKINGTON,
"Ligand Design - Towards Chiral Single Molecule Magnets",
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106. A. WORRELL, 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 Discussion Weekend, Ryerson University, Toronto, Ontario, Canada, November 3-5, 2017, one page in the Book of Abstracts. Oral presentation by A.W.
107. 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 Discussion Weekend, Ryerson University, Toronto, Ontario, Canada, November 3-5, 2017, one page in the Book of Abstracts. Oral presentation by A.A.
108. 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 Discussion Weekend, Ryerson University, Toronto, Ontario, Canada, November 3-5, 2017, one page in the Book of Abstracts. Poster presentation.
109. 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 Discussion Weekend, Ryerson University, Toronto, Ontario, Canada, November 3-5, 2017, one page in the Book of Abstracts. Poster presentation.
110. 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 Discussion Weekend, Ryerson University, Toronto, Ontario, Canada, November 3-5, 2017, one page in the Book of Abstracts. Poster presentation.

111. G. DELLE MONACHE, **Th. C. STAMATATOS** and M. PILKINGTON,

"Exploration of $bhpH_2$ for the Synthesis and Study of Heterometallic 3*d*/4*f* Single Molecule Magnets",

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

112. L. M. CARRELLA, M. DAMJANOVIC, W. WERNSDORFER, E. RENTSCHLER 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.

113. P. ABBASI, **Th. C. STAMATATOS** and M. PILKINGTON,

"The Cluster Chemistry of mpmH – Towards Polynuclear SMMs with Large Spin Ground States",

51st Inorganic Discussion Weekend, Waterloo, Ontario, Canada, November 9-11, 2018, p. 14 in the Book of Abstracts. Oral presentation by P.A.

114. 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 Discussion Weekend, Waterloo, Ontario, Canada, November 9-11, 2018, p. 20 in the Book of Abstracts. Poster presentation.

115. 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 Discussion Weekend, Waterloo, Ontario, Canada, November 9-11, 2018, p. 21 in

the Book of Abstracts. Poster presentation.

116. G. DELLE MONACHE, **Th. C. STAMATATOS** and M. PILKINGTON,
"Exploration of $bhpH_2$ for the Synthesis and Study of Heterometallic 3*d*/4*f* Single Molecule Magnets",
51st Inorganic Discussion Weekend, Waterloo, Ontario, Canada, November 9-11, 2018, p. 25 in the Book of Abstracts. Poster presentation.

117. 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.

118. P. ABBASI, K. QUINN, D. I. ALEXANDROPOULOS, M. DAMJANOVIC, W. WERNSDORFER, A. ESCUER, **Th. C. STAMATATOS** and M. PILKINGTON,
"Exploring the Coordination Chemistry of mpmH as a New Ligand in 3*d*-Cluster Chemistry",
257th American Chemical Society National Meeting & Exposition, Orlando, FL, USA, March 31-April 1, 2019, one page in the Book of Abstracts. Oral presentation by M.P.

119. 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",
102nd Canadian Chemistry Conference and Exhibition, Quebec City, Quebec, Canada, June 3-7, 2019, one page in the Book of Abstracts. Poster presentation (*winner of best poster prize*).

120. G. T. PAPANIKOLAOU, M. LESACHER, D. I. ALEXANDROPOULOS and **Th. C. STAMATATOS**,
"New Families of Molecular Ferromagnetic Materials and Single-Molecule Magnets from the Exclusive Use of Bridging Azido Groups",
13th Greece-Cyprus Chemistry Conference, Nicosia, Cyprus, October 31-November 3, 2019, one page in the Book of Abstracts. Poster presentation.

121. A. WORRELL, C. LAMPROPOULOS, A. ESCUER, M. PILKINGTON 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",
52nd Inorganic Discussion Weekend, Oshawa, Ontario, Canada, November 8-10, 2019, O-2 in the Book of Abstracts. Oral presentation by A.W.

122. C. DANELUIK, A. ESCUER, M. PILKINGTON and **Th. C. STAMATATOS**,
"Facile Preparation of a Generic Family of $\{Cu^{II}_2Ln\}$ (Ln = lanthanide) Linear Compounds with Rare Ln Coordination Geometries and SMM Behavior Using the "Metal Complexes as Ligands" Synthetic Approach",
52nd Inorganic Discussion Weekend, Oshawa, Ontario, Canada, November 8-10, 2019, O-6 in the Book of Abstracts. Oral presentation by C.D.

123. 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",
52nd Inorganic Discussion Weekend, Oshawa, Ontario, Canada, November 8-10, 2019, O-20 in the Book of Abstracts. Oral presentation by G.D.M.

124. 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",
1st Global Inorganic Discussion Weekday Virtual Poster Competition, July 9-10, 2020, p. 45 in the Book of Abstracts. Virtual poster presentation by C.D.

125. C. DANELUIK, M. DAMJANOVIC, D. I. ALEXANDROPOULOS, D. SUN, W. WERNSDORFER and **Th. C. STAMATATOS**,
"Supramolecular Effects of Acetonitrile Solvent Molecules and H-Bonding Towards the Preparation of Dy^{III} Single-Molecule Magnets in an "ON-OFF" State",
15th International Symposium on Macrocyclic and Supramolecular Chemistry, Sydney, New South Wales, Australia, August 24-25, 2019. Virtual poster presentation.

126. C. DANELUIK, A. ESCUER, J. TANG, M. PILKINGTON and **Th. C. STAMATATOS**,
"Facile Preparation of a Family of $\{M^{II}_2Dy^{III}\}$ (M^{II} = Cu^{II}, Zn^{II}) Compounds with Rare Dy^{III} Coordination Geometries and SMM Behaviour Using the "Metal Complexes as Ligands" Synthetic Approach",
48th Southern Ontario Undergraduate Student Chemistry Conference, Toronto, Ontario, Canada, June 15, 2020, p. 77 in the Technical Program. Virtual oral presentation by C.D.

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

103rd Canadian Chemistry Conference and Exhibition, Manitoba, Winnipeg, Canada, May 24-28, 2020, one page in the Book of Abstracts. Poster presentation (ID #1542).

128. C. DANELUIK, A. ESCUER, J. TANG, M. PILKINGTON and **Th. C. STAMATATOS**, "Facile Preparation of a Family of $\{M^{II}_2Dy^{III}\}$ (M^{II} = Cu^{II}, Zn^{II}) Compounds with Rare Dy^{III} Coordination Geometries and SMM Behaviour Using the "Metal Complexes as Ligands" Synthetic Approach",
103rd Canadian Chemistry Conference and Exhibition, Manitoba, Winnipeg, Canada, May 24-28, 2020, one page in the Book of Abstracts. Poster presentation (ID #1529).

129. **Th. C. STAMATATOS**, S. GRAMMATIKOPOULOS, G. LAZARI and S. P. PERLEPES, "New Inorganic Framework Materials from the Use of Multifunctional Linkers: Synthesis, Structural and Physicochemical Properties",
Cooperative Phenomena in Framework Materials: Faraday Discussion - Virtual, October 13-16, 2020. One Page in the Book of Abstracts. Virtual poster presentation by Th.C.S.

130. G. DELLE MONACHE, **Th. C. STAMATATOS** and M. PILKINGTON, "Exploring the Cluster Chemistry of Pyridyl Alkoxide Ligands for the Discovery of 3d/4f Single Molecule Magnets",
IUPAC CCCE 2021 - 104th Canadian Chemistry Conference and Exhibition - Virtual, August 13-20, 2021. One Page in the Book of Abstracts (ID 1759). Poster presentation by G.D.M.

131. A. S. ARMENIS, O. MALINA, A. BAKANDRITSOS and **Th. C. STAMATATOS**, "Deposition Studies of a New $\{Dy_2\}$ Single-Molecule Magnet on Graphene-like Substrate",
17th International Conference on Molecule-based Magnets - Online, Manchester, UK, June 14-18, 2021, p. 89, in the Book of Abstracts. Poster Presentation.

132. G. P. BAKALI, E. C. MAZARAKIOTI, S. GRAMMATIKOPOULOS, L. CUNHA-SILVA, W. WERNSDORFER, J. TANG and **Th. C. STAMATATOS**, "Single-Molecule Magnetism Behaviour in a Symmetric $\{Dy_2\}$ Complex with Spherical Tricapped Trigonal Prismatic Dy^{III} Ions",
2021 RSC Twitter Poster Conference - Virtual, March 2-3, 2021. Virtual poster presentation by G.P.B.

133. K. N. PANTELIS, D. I. ALEXANDROPOULOS, L. CUNHA-SILVA, A. ESCUER, K. R. DUNBAR and **Th. C. STAMATATOS**, "New Classes of Pure Inorganic Molecular Materials from the Exclusive Use of Azido Bridging Ligands",

2021 RSC Twitter Poster Conference - Virtual, March 2-3, 2021. Virtual poster presentation by K.N.P.

134. K. H. BAKA, K. N. PANTELIS and **Th. C. STAMATATOS**,
"Molecular Heterometallic Dy^{III}-Bi^{III} Clusters: An Approach to Structurally Unique Architectures with Enhanced Magnetic Anisotropy",
9th North America - Greece - Cyprus Conference on Paramagnetic Materials, Ayia Napa, Cyprus, May 9-13, 2022, p. 13 in the Book of Abstracts. Oral presentation by K.H.B.

135. D. G. FRAGKIS, M. G. ZARADOUKA, A. S. ARMENIS and **Th. C. STAMATATOS**,
"Magneto-Chiral Coordination Compounds Based on the 2-Pyridinemethanol Scaffold",
9th North America - Greece - Cyprus Conference on Paramagnetic Materials, Ayia Napa, Cyprus, May 9-13, 2022, p. 29 in the Book of Abstracts. Oral presentation by D.G.F.

136. V. PSYCHARIS, K. N. PANTELIS and **Th. C. STAMATATOS**,
"$[Mn_7Dy(OH)_2(sacb)_4(OAc)_9(MeOH)_2]_n$: A helical coordination polymer prepared from achiral components",
9th North America - Greece - Cyprus Conference on Paramagnetic Materials, Ayia Napa, Cyprus, May 9-13, 2022, p. 68 in the Book of Abstracts. Oral presentation by V.P.

137. A. S. ARMENIS, D. I. ALEXANDROPOULOS, K. R. DUNBAR and **Th. C. STAMATATOS**,
"Dinuclear $\{Dy_2\}$ Complexes: A "Playground" for Efficient Single-Molecule Magnets",
Athens Conference on Advances in Chemistry 2022 (acac2022), Athens, Greece, June 25 – July 1, 2022, one page in the Book of Abstracts. Oral presentation by A.S.A.

138. G. P. BAKALI, A. S. ARMENIS, C. BRANTLEY, G. CHRISTOU and **Th. C. STAMATATOS**,
"Bis(picolinoylhydrazone)pyridine as a Ligand for the Synthesis of Dy-based Single-Molecule Magnets",
Athens Conference on Advances in Chemistry 2022 (acac2022), Athens, Greece, June 25 – July 1, 2022, one page in the Book of Abstracts. Oral (flash) presentation by G.P.B.

139. K. N. PANTELIS, K. H. BAKA, C. P. RAPTOPOULOU, V. PSYCHARIS and **Th. C. STAMATATOS**,
"Mononuclear Trivalent 3d-Metal Complexes as 'Stepping Stones' for the Synthesis of New Polynuclear, Heterometallic 3d/3d′-Clusters",
Athens Conference on Advances in Chemistry 2022 (acac2022), Athens, Greece, June 25 – July 1, 2022, one page in the Book of Abstracts. Oral presentation by K.N.P.

140. **Th. C. STAMATATOS**, A. S. ARMENIS, A. WORRELL, D. I. ALEXANDROPOULOS and K. R. DUNBAR,
"Fine-Tuning Coordination Polyhedra and Relaxation Processes in a Rich Family of Air-stable $\{Dy_2\}$ Complexes Bearing the Same Planar $\{Dy_2(OR)_2\}^{4+}$ Core",
8th European Conference on Molecular Magnetism, Rennes, France, July 4-7, 2022, page 68 in the Book of Abstracts (Poster presentation).

141. **Th. C. STAMATATOS**, K. N. PANTELIS, A. S. ARMENIS, L. CUNHA-SILVA, M. R. SABER, D. I. ALEXANDROPOULOS and K. R. DUNBAR,
"New Triangular Heterometallic 3d/4f-metal Complexes with Rare Metal Stoichiometries, High-Spin Values, and Appreciable Energy Barriers for the Magnetization Reversal",
8th European Conference on Molecular Magnetism, Rennes, France, July 4-7, 2022, page 91 in the Book of Abstracts (Poster presentation).

142. **Th. C. STAMATATOS**, G. P. BAKALI, A. S. ARMENIS, C. BRANTLEY and G. CHRISTOU,
"Mononuclear and Dinuclear Dy(III) Complexes Bearing a Bis(picolinoylhydrazone)pyridine Ligand and Exhibiting Slow Relaxation of Magnetization",
8th European Conference on Molecular Magnetism, Rennes, France, July 4-7, 2022, page 202 in the Book of Abstracts (Poster presentation).

143. A. S. ARMENIS, G. P. BAKALI, D. I. ALEXANDROPOULOS, and **Th. C. STAMATATOS**,
"High-performance Dy^{III} Single-Molecule Magnets with D_{5h} or D_{6h} symmetry containing [1+1] Schiff-base macrocycles",
Joint CTMNM/NAGC Conference, Spetses, Greece, May 7-12, 2023, one page in the Book of Abstracts. Oral presentation by A.S.A.

144. K. H. BAKA, and **Th. C. STAMATATOS**,
"Combination of highly anisotropic Dy(III) ions with diamagnetic post transition metal ions: The case of Dy/Ga and Dy/Sn complexes",
Joint CTMNM/NAGC Conference, Spetses, Greece, May 7-12, 2023, one page in the Book of Abstracts. Oral presentation by K.H.B.

145. D. G. FRAGKIS, and **Th. C. STAMATATOS**,
"Homo- and heterometallic Mn and Mn/Ln clusters bearing pyridyl alkoxide chelates with stereogenic centers: An approach to chiral single-molecule magnets",
Joint CTMNM/NAGC Conference, Spetses, Greece, May 7-12, 2023, one page in the Book of

Abstracts. Oral presentation by D.G.F.

146. K. N. PANTELIS, and **Th. C. STAMATATOS**,
"Deliberate replacement of trivalent metal ions in a family of pentanuclear $\{M^{III}_4Ln^{III}\}$ (M = Fe, Cr, Ga; Ln = Gd, Dy, Y) heterometallic clusters",
Joint CTMNM/NAGC Conference, Spetses, Greece, May 7-12, 2023, one page in the Book of Abstracts. Oral presentation by K.N.P.

147. A. S. ARMENIS, D. I. ALEXANDROPOULOS, and **Th. C. STAMATATOS**,
"Fine-tuning of the Macrocycle Cavity and Denticity in a Series of Hexagonal Bipyramidal Dy(III) Complexes",
2nd Panhellenic Workshop on Inorganic Chemistry, Athens, Greece, September 28-30, 2023, P04 in the Book of Abstracts (Poster presentation).

148. K. H. BAKA, and **Th. C. STAMATATOS**,
"Molecular Heterometallic Dy^{III}-Bi^{III} Clusters: An Approach to Structurally Unique Compounds with Single-Molecule Magnetic Properties",
2nd Panhellenic Workshop on Inorganic Chemistry, Athens, Greece, September 28-30, 2023, P04 in the Book of Abstracts (Poster presentation).

149. G. P. BAKALI, D. I. ALEXANDROPOULOS, and **Th. C. STAMATATOS**,
"Mononuclear, low-coordinate lanthanide(III) complexes exhibiting single-molecule magnet behavior",
2nd Panhellenic Workshop on Inorganic Chemistry, Athens, Greece, September 28-30, 2023, P07 in the Book of Abstracts (Poster presentation).

150. A. DIMITRIADI, and **Th. C. STAMATATOS**,
"New Eu^{III} Complexes as Luminescent Solar Concentrators",
2nd Panhellenic Workshop on Inorganic Chemistry, Athens, Greece, September 28-30, 2023, P13 in the Book of Abstracts (Poster presentation).

151. K. N. PANTELIS, and **Th. C. STAMATATOS**,
"New synthetic approaches in heterometallic chemistry: Deliberate replacement of trivalent metal ions in a family of $\{M^{III}_4Ln^{III}\}$ clusters",
2nd Panhellenic Workshop on Inorganic Chemistry, Athens, Greece, September 28-30, 2023, P33 in the Book of Abstracts (Poster presentation).

152. C. A. PAPADOPOULOS, and **Th. C. STAMATATOS**,
"New Family of High-Nuclearity Lanthanide-Titanium-Oxo Clusters as Fine Color-Tuning

Luminescent Materials",

2nd Panhellenic Workshop on Inorganic Chemistry, Athens, Greece, September 28-30, 2023, P34 in the Book of Abstracts (Poster presentation).

153. K. A. SOTIRAKOPOULOS, and **Th. C. STAMATATOS**,
"Synthetic Entry into Polynuclear Lead-Manganese Chemistry: High Oxidation State Pb/Mn Clusters with Unprecedented Structural Motifs",
2nd Panhellenic Workshop on Inorganic Chemistry, Athens, Greece, September 28-30, 2023, P46 in the Book of Abstracts (Poster presentation).
154. M. ZARADOUKA, Z. G. LADA, S. FELTOND, G. A. VOYIATZIS, G. C. MORGAN, and **Th. C. STAMATATOS**,
"Towards the development of Mn^{III} SCO systems based on N_4O_2 Schiff base organic linkages",
2nd Panhellenic Workshop on Inorganic Chemistry, Athens, Greece, September 28-30, 2023, P62 in the Book of Abstracts (Poster presentation).
155. K. H. BAKA, D. I. ALEXANDROPOULOS, J. TANG, and **Th. C. STAMATATOS**,
"Molecular Heterometallic Dy^{III}-Sn^{II} Clusters: An Approach to Structurally Unique Compounds with Single-Molecule Magnetic and Toroic Properties",
11th North America – Greece – Cyprus Conference on Paramagnetic Materials, Protaras, Cyprus, April 22-26, 2024, p. 68 in the Book of Abstracts. Oral presentation by K.H.B.
156. S. P. PERLEPES, S. SKIADAS, C. STAMOU, P. S. PERLEPE, **Th. C. STAMATATOS**, Y. SANAKIS, V. PSYCHARIS, G. CHRISTOU,
"Chemistry and Football (Soccer): A Parallelism",
11th North America – Greece – Cyprus Conference on Paramagnetic Materials, Protaras, Cyprus, April 22-26, 2024, p. 55 in the Book of Abstracts. Oral presentation by S.P.P.

Oral Presentations in Conferences, Meetings and Workshops:

1. **Th. C. STAMATATOS**, I. KATSOULIS, C. P. RAPTOPOULOU and S. P. PERLEPES,
"Cobalt Complexes with 2-Pyridyl Aldoxime",
11th Panhellenic Symposium on Medicinal Chemistry, Patras, Greece, January 23-24, 2004, p. 27 in the Book of Abstracts.
2. **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.

3. **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.
4. **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 ($pdmH_2$)",
   20th Panhellenic Conference on Chemistry, University of Ioannina, Ioannina, Greece, September 20-24, 2005, p. 115 in the Book of Abstracts.
5. **Th. C. STAMATATOS**, D. FOGUET-ALBIOL, C. P. RAPTOPOULOU, A. TERZIS, W. WERNSDORFER, S. P. PERLEPES and G. CHRISTOU,
   "Initial Example of a Triangular Single-Molecule Magnet from Ligand-induced Structural Distortion of a $[Mn^{III}_3O]^{7+}$ Complex",
   231st National American Chemical Society Meeting, Atlanta, USA, March 26-30, 2006, p. INOR815 in the Book of Abstracts.
6. **Th. C. STAMATATOS** and G. CHRISTOU,
   "Synthetic 3d Metal Cluster Chemistry: On the Borderline Between Self-Assembly and Synthetic Control",
   2nd North America – Greece – Cyprus Workshop on Paramagnetic Materials, Syros, Greece, June 18-21, 2007.
7. **Th. C. STAMATATOS** and G. CHRISTOU,
   "Synthetic 3d Metal Cluster Chemistry: On the Borderline Between Self-Assembly and Synthetic Control",
   234th National American Chemical Society Meeting, Boston, USA, August 19-23, 2007, p. INOR78 in the Book of Abstracts.
8. **Th. C. STAMATATOS**,
   "New Synthetic Aspects in Transition Metal Cluster Chemistry",

Florida Annual Meeting and Exposition, Orlando, USA, May 8-10, 2008, p. 48 in the Book of Abstracts.

9. **Th. C. STAMATATOS** and G. CHRISTOU,
"Azide Groups in Higher Oxidation State Manganese Cluster Chemistry: From Structural Aesthetics to Single Molecule Magnets",
2nd Workshop on "Current Trends in Nanoscopic and Mesoscopic Magnetism", Delphi, Greece, September 1-5, 2008.
10. **Th. C. STAMATATOS**,
"New Synthetic Aspects in 3d Metal Cluster Chemistry: From Structural Aesthetics to Single Molecule Magnets",
11th International Conference on Molecule-based Magnets, Florence, Italy, September 21-25, 2008.
11. D. I. ALEXANDROPOULOS, E. S. KOUMOUSI, M. J. MANOS, A. J. TASIOPOULOS, G. CHRISTOU and **Th. C. STAMATATOS**,
"Pseudohalogen Groups in Higher Oxidation State Manganese Cluster Chemistry",
3rd North America – Greece – Cyprus Workshop on Paramagnetic Materials, Protaras, Cyprus, June 15-19, 2009, p. 60 in the Book of Abstracts.
12. **Th. C. STAMATATOS**,
"New Synthetic Approaches in the Chemistry of Polynuclear Metal Complexes, High-Spin Molecules and Single-Molecule Magnets: The Invaluable Contribution of X-ray Crystallography",
The Contribution of Single-Crystal X-ray Crystallography to the Development of Modern Inorganic Chemistry, Patras, Greece, March 22, 2010.
13. **Th. C. STAMATATOS**, D. FOGUET-ALBIOL, W. WERNSDORFER, K. A. ABBOUD and G. CHRISTOU,
"Structural Aesthetics in Molecular 3d-Metal Cluster Chemistry: New High-Nuclearity Manganese Single-Molecule Magnets Bearing the Anions of Triethanolamine",
3rd Workshop on Current Trends in Nanoscale and Molecular Magnetism, Orlando, USA, June 20-25, 2010. One page in the Book of Abstracts.
14. D. I. ALEXANDROPOULOS, M. J. MANOS, A. J. TASIOPOULOS, C. PAPATRIANTAFYLLOPOULOU, W. WERNSDORFER, S. P. PERLEPES, G. CHRISTOU and **Th. C. STAMATATOS**,

"Employment of Pseudohalides in Higher Oxidation State Manganese Cluster Chemistry: From Beautiful Cages to High-Spin Molecules and Single-Molecule Magnets",

EICC-1: First EuCheMS Inorganic Chemistry Conference, Manchester, UK, April 11-14, 2011. One page in the Book of Abstracts.

15. **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 of 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.

16. 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 (Plenary Lecture).

17. 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.

18. 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.

19. **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.

20. 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.
21. 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 (invited to the symposium: Celebrating 60 Years of the Division of Inorganic Chemistry).
22. D. I. ALEXANDROPOULOS, L. CUNHA-SILVA, G. CHRISTOU and **Th. C. STAMATATOS**,
"High-Nuclearity 3*d*/4*f*-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 (invited speaker in the Inorganic Chemistry section).
23. D. I. ALEXANDROPOULOS, L. CUNHA-SILVA, G. CHRISTOU and **Th. C. STAMATATOS**,
"High-Nuclearity 3*d*/4*f*-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.
24. **Th. C. STAMATATOS**,
"Organic Chelate-free 3*d*-Metal Clusters and Coordination Polymers: A New Class of Ferromagnetic Molecular Magnetic Materials",
8th Workshop on "Current Trends in Molecular and Nanoscale Magnetism", Rhodes, Greece, May 27-31, 2019, one page in the Book of Abstracts.
25. **Th. C. STAMATATOS**, A. ESCUER, E. RENTSCHLER and K. R. DUNBAR,
"A New Class of Organic Chelate-Free, High-Spin Molecular Nanomagnets",
7th European Conference on Molecular Magnetism, Florence Italy, September 15-18, 2019, one page in the Book of Abstracts.

26. G. P. BAKALI, K. N. PANTELIS, K. H. BAKA, C. A. PAPADOPOULOS, and **Th. C. STAMATATOS**,
"'New' Coordination Chemistry with 'No' Organic Chelate Ligands: A Route to Structurally and Magnetically Interesting 3d-Metal Clusters and Coordination Polymers",
10th International Conference of the Hellenic Crystallographic Association, Athens, Greece, October 15-17, 2021, one page in the Book of Abstracts.
27. K. N. PANTELIS, K. H. BAKA and **Th. C. STAMATATOS**,
"The "Periodic Table" of *N*-Salicylidene-2-Amino-5-Chlorobenzoic Acid ($sacbH_2$): High-Nuclearity, High-Spin Molecules and Single-Molecule Magnets",
1st Panhellenic Workshop on Inorganic Chemistry, Patras, Greece, November 19-21, 2021, one page in the Book of Abstracts.
28. **Th. C. STAMATATOS**, A. S. ARMENIS, C. A. PAPADOPOULOS and G. P. BAKALI,
"Hybrid Magnetic Materials from the Deposition of Single-Molecule Magnets on Graphene-like Substrates",
9th North America - Greece - Cyprus Conference on Paramagnetic Materials, Ayia Napa, Cyprus, May 9-13, 2022, p. 73 in the Book of Abstracts.
29. **Th. C. STAMATATOS**, A. S. ARMENIS, G. P. BAKALI and D. I. ALEXANDROPOULOS,
"Oligonuclear Lanthanide(III) Single-Molecule Magnets",
21st Conference on Inorganic Chemistry, Marburg, Germany, September 26-28, 2022, p. 29 in the Book of Abstracts.
30. **Th. C. STAMATATOS**,
"Towards Modeling the Active Site of Photosystem II: Unprecedented Mn/Ca Complexes from the Employment of Oximate-based Ligands",
16th International Symposium on Applied Bioinorganic Chemistry (16-ISABC), University of Ioannina, Ioannina, Greece, June 11-14, 2023, p. 167 in the Book of Abstracts.
31. A. S. ARMENIS, D. I. ALEXANDROPOULOS, L. CUNHA-SILVA and **Th. C. STAMATATOS**,
"Organic Chelates *vs* Nitrates… Peripheral Site Modification in a Family of Dinuclear Single-Molecule Magnets Bearing a $\{Dy_2(\mu\text{-}OR)_2\}^{4+}$ Core and Exhibiting Dissimilar Magnetic Dynamics",
2nd *Panhellenic Workshop on Inorganic Chemistry*, Athens, Greece, September 28-30, 2023, one page in the Book of Abstracts.

32. A. S. ARMENIS, A. MONDAL, D. I. ALEXANDROPOULOS, S. R. GIBLIN, R. A. LAYFIELD, and **Th. C. STAMATATOS**,
"Air-stable and high-performance Dy^{III} Single-Molecule Magnets with D_{6h} symmetry",
11th North America – Greece – Cyprus Conference on Paramagnetic Materials, Protaras, Cyprus, April 22-26, 2024, p. 68 in the Book of Abstracts.
33. **Th. C. STAMATATOS**, A. S. ARMENIS, A. MONDAL, D. I. ALEXANDROPOULOS, S. R. GIBLIN, and R. A. LAYFIELD,
"High-performance Dy^{III} Single-Molecule Magnets with D_{6h} symmetry",
9th European Conference on Molecular Magnetism, Kraków, Poland, July 15-19, 2024, page 115 in the Book of Abstracts.

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.
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 12th, 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 4th, 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 20th, 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 20th, 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 6th, 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 19th, 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 1st, 2012.

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

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

Department of Chemistry, Trinity College Dublin, Dublin, Ireland, March 7th, 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 12th, 2012.

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

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

Université de Bordeaux, Bordeaux, France, April 30th, 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 17th, 2013.

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

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

Department of Chemistry, University of Windsor, Canada, November 8th, 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 29th, 2015.
15. **Th. C. STAMATATOS**,
"Applications of Molecular Materials in Various Disciplines of Inorganic and Physical Chemistry",
Department of Chemistry, University of Ghent, Belgium, August 12th, 2015.
16. **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 16th, 2015.
17. **Th. C. STAMATATOS**,
"Molecular Magnetism: From Theory to Practical Applications",
Department of Chemistry, University of Mainz, Mainz, Germany, November 1st, 2016.
18. **Th. C. STAMATATOS**,
"Organic Chelate-free and Azido-rich Metal Clusters from the Use of Me_3SiN_3: A New Synthetic Route to Beautiful Structures with Diverse Magnetic Properties",
Karlsruhe Institute of Technology (KIT), Karlsruhe, Germany, November 12th, 2018.
19. **Th. C. STAMATATOS**,
"High-Spin Molecules and Single-Molecule Magnets: New Synthetic Trends from the Use of Old Ligands",
Department of Chemistry, University of Mainz, Mainz, Germany, November 13th, 2018.
20. **Th. C. STAMATATOS**,
"Organic Chelate-free and Azido-rich Metal Clusters from the Use of Me_3SiN_3: A New Synthetic Route to Beautiful Structures with Diverse Magnetic Properties",
Alexander von Humboldt Foundation, Network Meeting, Bonn, Germany, November 15th, 2018.
21. **Th. C. STAMATATOS**,
"Organic Chelate-free and Azido-rich Metal Clusters from the Use of Me_3SiN_3: A New Synthetic Route to Beautiful Structures with Diverse Magnetic Properties",
Instituto de Ciencia Molecular – ICMol, Valencia, Spain, December 17th, 2018.

https://www.youtube.com/watch?v=Wj12Y6LHg10&t=2074s

22. **Th. C. STAMATATOS**,
"New Classes of Molecular Inorganic Materials from the Exclusive Use of Azido Ligands: A Guaranteed Route to High-Spin Molecules with Interesting Magnetic Properties",
Chemistry Department, University of Cyprus, Nicosia, Cyprus, March 13th, 2019.
23. **Th. C. STAMATATOS**,
"The History of Azides: A Ligand of Paramount Importance in Cluster Chemistry and Molecular Magnetism",
Institute of Nanoscience and Nanotechnology, Barcelona, Spain, June 27th, 2019.
24. **Th. C. STAMATATOS**,
"New Classes of Molecular Materials from the Exclusive Use of Inorganic Bridging Ligands: A Foundation to Hybrid Magnetic Systems with Implications in Quantum Technologies",
Foundation of Research and Technology-Hellas (FORTH), Institute of Chemical Engineering Sciences (ICE-HT), Patras, Greece, November 11th, 2019.
25. **Th. C. STAMATATOS**,
"New Classes of Molecular Materials from the Exclusive Use of Inorganic Bridging Ligands: A Foundation to Hybrid Magnetic Systems with Implications in Quantum Technologies",
Regional Centre of Advanced Technologies and Materials (RCPTM), Palacky University, Olomouc, Czech Republic, November 27th, 2019.
26. **Th. C. STAMATATOS**,
"Towards Molecular Spintronics: Synthesis of Hybrid Magnetic Materials from the Use of Single-Molecule Magnets and Functional Organic Substrates",
HQS Quantum Simulations, Karlsruhe, Germany, December 4th, 2020. Webinar.
27. **Th. C. STAMATATOS**,
"High-Spin Molecules and Single-Molecule Magnets: New Synthetic Approaches from the Use of Old Ligands",
School of Chemistry and Chemical Engineering, Shandong University, China, January 13th, 2021. Webinar.
28. **Th. C. STAMATATOS**,
"Deposition Studies of Single-Molecule Magnets on Graphene-like Substrates: An Approach to Multifunctional Magnetic Materials",
Chemistry Department, University of Cyprus, Nicosia, Cyprus, February 22nd, 2023.

29. **Th. C. STAMATATOS**,
"Materials and Processes for Sustainable Energy Production and Storage",
Webinar: "REPowerEU: From crisis to solution", February 22nd, 2023.

30. **Th. C. STAMATATOS**,
"Research Activities in the Area of Biological and Medicinal Inorganic Chemistry",
Webinar: "International PhD program on Biological Inorganic Chemistry", March 17th, 2023. Organized by University of Ioannina (host: Prof. Sotiris K. Hadjikakou).

31. **Th. C. STAMATATOS**,
"High-Performance Dy^{III} Single-Molecule Magnets and their Deposition Studies on Functional Substrates",
Chemistry Department, University of Barcelona, Barcelona, Spain, April 28th, 2023.

32. **Th. C. STAMATATOS**,
"Hybrid Magnetic Nanomaterials from the Deposition of Single-Molecule Magnets on Functional Substrates",
Foundation of Research and Technology-Hellas (FORTH), Institute of Chemical Engineering Sciences (ICE-HT), Patras, Greece, May 27th, 2024.

33. **Th. C. STAMATATOS**,
"Air-Stable and High-Performance Dy^{III} Single-Molecule Magnets with D_{6h} symmetry",
National and Kapodistrian University of Athens, Athens, Greece, July 1st, 2024.

Publications in Peer-Review Journals:
(**C**: Communication; **N**: Note; **FP**: Full Paper; **R**: Review)
***** Note: Students from my research group are highlighted in **Bold** text.

175. (**C**) **A. S. Armenis**, A. Mondal, S. R. Giblin, C. P. Raptopoulou, V. Psycharis, D. I. Alexandropoulos, J. Tang, R. A. Layfield, **Th. C. Stamatatos**, "Unveiling new [1+1] Schiff-base macrocycles towards high energy-barrier hexagonal bipyramidal Dy(III) single-molecule magnets", *Chemical Communications*, 2024 (in press).

174. (**FP**) **A. S. Armenis**, A. Worrell, D. I. Alexandropoulos, J. Tang, **Th. C. Stamatatos**, "A leap forward in the coordination chemistry of N-hydroxy-1,8-naphthalimide chelate: New $\{Dy_2\}$ and $\{Dy_5\}$ single-molecule magnets and the structure-directing role of supporting β-diketonate ligands", *Crystal Growth & Design*, 2024 (in press).

173. (**R**) Vipanchi, K. R. Vignesh, A. S. Armenis, D. I. Alexandropoulos, **Th. C. Stamatatos**,

"Elevating the performance of heterometallic 3d/4f SMMs: The role of diamagnetic Co^{III} and Zn^{II} ions in magnetization dynamics", *ChemPhysChem*, 2024, e202400385.

172. (**FP**) **A. S. Armenis**, D. I. Alexandropoulos, **A. Worrell**, L. Cunha-Silva, K. R. Dunbar, **Th. C. Stamatatos**, "Peripheral site modification in a family of dinuclear $[Dy_2(hynad)_{2\text{-}6}(NO_3)_{0\text{-}6}(sol)_{0\text{-}2}]^{0/2-}$ single-molecule magnets bearing a $\{Dy_2(\mu\text{-}OR)_2\}^{4+}$ diamond-shaped core and exhibiting dissimilar magnetic dynamics", *Dalton Transactions*, **52**, 13565, 2023.

171. (**FP**) **A. S. Armenis**, V. Vipanchi, **K. N. Pantelis**, L. Cunha-Silva, K. R. Vignesh, D. I. Alexandropoulos, **Th. C. Stamatatos**, "Slow magnetization relaxation in a rare family of triangular $\{Co^{III}_2Ln^{III}\}$ clusters: the effect of diamagnetic Co^{III} ions on the Ln^{III} magnetic dynamics", *Chemistry - A European Journal*, 2023, e202302337.

170. (**FP**) **K. N. Pantelis**, **K. H. Baka**, J. Huang, C. P. Raptopoulou, V. Psycharis, K. R. Dunbar, **Th. C. Stamatatos**, "Linear versus bent 3d/4f-heterometallic clusters: the carboxylate effect on the metal topology and magnetic properties of two $\{Mn^{III}_2Dy_2\}$ complexes supported by *N*-naphthalidene-*o*-aminophenol, *Crystal Growth & Design*, **23**, 5301, 2023.

169. (**FP**) **A. Worrell**, G. Delle Monache, M. M. Turnbull, J. M. Rawson, **Th. C. Stamatatos**, M. Pilkington, "Synthesis, structural, magnetic and computational studies of a one-dimensional ferromagnetic Cu(II) chain assembled from a new Schiff-base ligand", *Chemistry*, **5**, 85, 2023.

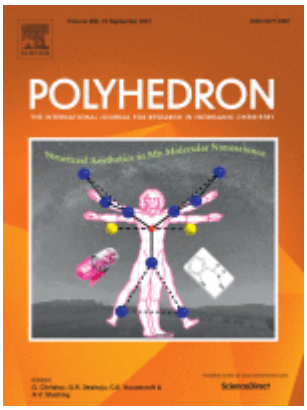
168. (**FP**) **A. S. Armenis**, **G. P. Bakali**, C. L. Brantley, C. P. Raptopoulou, V. Psycharis, L. Cunha-Silva, G. Christou, **Th. C. Stamatatos**, "A family of mono-, di-, and tetranuclear Dy^{III} complexes bearing the ligand 2,6-diacetylpyridine bis(picolinoylhydrazone) and exhibiting slow relaxation of magnetization", *Dalton Transactions*, **51**, 18077, 2022.

167. (**R**) Z. G. Lada, C. D. Polyzou, V. Nika, **Th. C. Stamatatos**, K. F. Konidaris, S. P. Perlepes, "Adventures in the coordination chemistry of 2-pyridyl oximes: On the way to 3d/4f-metal coordination clusters", *Inorganica Chimica Acta*, **539**, 120954, 2022.

166. (**FP**) **G. T. Papanikolaou**, A. Kourtellaris, **K. N. Pantelis**, V. Bekiari, A. J. Tasiopoulos, **Th. C. Stamatatos**, "Zinc(II) vs cadmium(II) in organic chelate-free chemistry: Synthesis and characterization of 1-D $[Zn_2(N_3)_4(MeCN)_3]_n$ and 2-D $[Cd_3(N_3)_6(MeCN)_2]_n$ coordination polymers", *Polyhedron*, **208**, 115423, 2021.

165. (**FP**) **E. S. Koumousi**, G. Lazari, **S. Grammatikopoulos**, C. Papatriantafyllopoulou, M. J.

Manos, S. P. Perlepes, A. J. Tasiopoulos, G. Christou, **Th. C. Stamatatos**, "Rare nuclearities in Mn/oxo cluster chemistry: Synthesis and characterization of a mixed-valence $\{Mn^{II/III}_{11}\}$ complex bearing acetate and salicylhydroximate(-3) bridging/chelating ligands", *Polyhedron*, **206**, 115298, 2021.



164. (**FP**) **G. T. Papanikolaou**, **K. N. Pantelis**, G. Lazari, L. Cunha-Silva, A. Escuer, **Th. C. Stamatatos**, "New classes of organic chelate-free coordination polymers: A Cu(II) 1-D chain composed of $\{Cu_6(N_3)_{12}\}$ repeating units", *Polyhedron*, **206**, 115315, 2021.

163. (**FP**) G. Lazari, **S. Grammatikopoulos**, S. P. Perlepes, **Th. C. Stamatatos**, "Combining benzotriazoles and azides in copper(II) chemistry: Synthesis, structural and spectroscopic characterization of an 1-D corrugated tape $[Cu(N_3)_2(1\text{-Mebta})]_n$ coordination polymer (1-Mebta = 1-methylbenzotriazole)", *Journal of Coordination Chemistry*, **74**, 1823, 2021.

162. (**FP**) **D. Dermitzaki**, C. P. Raptopoulou, V. Psycharis, A. Escuer, S. P. Perlepes, J. Mayans, **Th. C. Stamatatos**, "Further synthetic investigation of the general lanthanoid(III) [Ln(III)]/copper(II)/pyridine-2,6-dimethanol/carboxylate reaction system: $\{Cu^{II}_5Ln^{III}_4\}$ coordination clusters (Ln = Dy, Tb, Ho) and their yttrium(III) analogue", *Dalton Transactions*, **50**, 240, 2021.

161. (**FP**) **K. N. Pantelis**, **P. S. Perlepe**, **S. Grammatikopoulos**, C. Lampropoulos, J. Tang, **Th. C. Stamatatos**, "4f-metal clusters exhibiting slow relaxation of magnetization: A $\{Dy_7\}$ complex with an hourglass-like metal topology", *Molecules*, **25**, 2191, 2020.

160. (**FP**) **P. S. Perlepe**, **K. N. Pantelis**, L. Cunha-Silva, V. Bekiari, A. Escuer, **Th. C. Stamatatos**, "Rare nuclearities in Ni(II) cluster chemistry: An unprecedented $\{Ni_{12}\}$ nanosized cage from the use of *N*-naphthalidene-2-amino-5-chlorobenzoic acid", *Inorganics*, **8**, 32, 2020.

159. (**FP**) **K. N. Pantelis**, **G. Karotsis**, C. Lampropoulos, L. Cunha-Silva, A. Escuer, **Th. C. Stamatatos**, "Metal complexes as ligands' for the synthesis of coordination polymers: A Mn^{III} monomer as a building block for the preparation of an unprecedented 1-D $\{Mn^{II}Mn^{III}\}_n$ linear chain", *Materials*, **13**, 1352, 2020.

158. (**FP**) Q. Zhang, M. L. Baker, S. Li, M. P. Sarachik, J. J. Baldoví, A. Gaita-Ariño, E. Coronado, **D. I. Alexandropoulos**, **Th. C. Stamatatos**, "Experimental determination of single molecule toroic behaviour in a Dy_8 single molecule magnet", *Nanoscale*, **11**, 15131, 2019.

157. (**C**) P. Abbasi, **A. A. Athanasopoulou**, **E. C. Mazarakioti**, K. J. Gagnon, S. J. Teat, A. Escuer, M. Pilkington, **Th. C. Stamatatos**, "Click chemistry as a route to the synthesis of structurally new and magnetically interesting coordination clusters: A $\{Ni^{II}_8\}$ complex with a trapezoidal prismatic topology", *Dalton Transactions*, **48**, 11632, 2019. *Highlighted in the themed collection*: Dalton Transactions HOT Articles

156. (**FP**) **D. Dermitzaki**, V. Psycharis, Y. Sanakis, **Th. C. Stamatatos**, M. Pissas, C. P. Raptopoulou, "Extending the family of heptanuclear heterometallic Cu_5Ln_2 (Ln = Gd, Tb, Dy) complexes: Synthesis, crystal structures, magnetic and magnetocaloric studies", *Polyhedron*, **169**, 135, 2019.

155. (**FP**) A. Trinh Pham, P. Abbasi, G. Delle Monache, **E. C. Mazarakioti**, J. M. Rawson, **Th. C. Stamatatos**, M. Pilkington, "Magneto-structural studies of two M–O–M bridged homochiral mixed valence Co(II)/Co(III) complexes", *Polyhedron*, **170**, 34, 2019.

154. (**FP**) J. Mayans, **A. A. Athanasopoulou**, A. Trinh Pham, M. Font-Bardia, **E. C. Mazarakioti**, M. Pilkington, **Th. C. Stamatatos**, A. Escuer, "$\{Ni_4\}$ cubanes from enantiomerically pure 2-(1-hydroxyethyl)pyridine ligand: Supramolecular chirality", *Dalton Transactions*, **48**, 10427, 2019.

153. (**C**) **D. I. Alexandropoulos**, K. R. Vignesh, **Th. C. Stamatatos**, K. R. Dunbar, "Rare "Janus"-faced $\{Fe^{II}_7\}$ single-molecule magnet exhibiting intramolecular ferromagnetic interactions", *Chemical Science*, **10**, 1626, 2019.
Highlighted in the themed collection: 2018 Chemical Science HOT Article Collection

152. (**R**) **Th. C. Stamatatos**, E. Rentschler, "Organic chelate-free and azido-rich metal clusters and coordination polymers from the use of Me_3SiN_3: A new synthetic route to complexes with beautiful structures and diverse magnetic properties", *Chemical Communications*, **55**, 11, 2019.

151. (**FP**) **A. Worrell**, D. Sun, J. Mayans, C. Lampropoulos, A. Escuer, **Th. C. Stamatatos**, "Oximato-based ligands in 3*d*/4*f*-metal cluster chemistry: A family of $\{Cu_3Ln\}$ complexes with a 'propeller'-like topology and single-molecule magnetic behavior", *Inorganic Chemistry*, **57**, 13944, 2018.

150. (**FP**) **D. I. Alexandropoulos**, **A. A. Alaimo**, D. Sun, **Th. C. Stamatatos**, "A new $\{Dy_5\}$ single-molecule magnet bearing the Schiff base ligand *N*-naphthalidene-2-amino-5-chlorophenol", *Magnetochemistry*, **4**, 48, 2018.

149. (**C**) J. Krause, **D. I. Alexandropoulos**, L. M. Carrella, E. Rentschler, **Th. C. Stamatatos**, "Increasing the nuclearity and spin ground state in a new family of ferromagnetically-coupled $\{Ni_{10}\}$ disk-like complexes bearing exclusively end-on bridging azido ligands", *Chemical Communications*, **54**, 12499, 2018.

148. (**FP**) **D. I. Alexandropoulos**, L. Cunha-Silva, J. Tang, **Th. C. Stamatatos**, "Heterometallic Cu/Ln cluster chemistry: Ferromagnetically-coupled $\{Cu_4Ln_2\}$ complexes exhibiting single-molecule magnetism and magnetocaloric properties", *Dalton Transactions*, **47**,

11934, 2018.

147. (**C**) **A. A. Alaimo**, **D. I. Alexandropoulos**, C. Lampropoulos, **Th. C. Stamatatos**, "New insights in Mn-Ca chemistry from the use of oximate-based ligands: $\{Mn^{II/III}_{22}Ca_2\}$ and $\{Mn^{IV}_2Ca_2\}$ complexes with relevance to both low- and high-valent states of the oxygen-evolving complex", *Polyhedron*, **149**, 39, 2018.

146. (**C**) **A. A. Alaimo**, **A. Worrell**, S. Das Gupta, C. Lampropoulos, G. Christou, **Th. C. Stamatatos**, "Structural and magnetic variations in a family of isoskeletal, oximate-bridged $\{Mn^{IV}_2M^{III}\}$ complexes (M^{III} = Mn, Gd, Dy)", *Chemistry – A European Journal*, **24**, 2588, 2018. Highlighted as "Hot Paper".

145. (**C**) P. Abbasi, K. Quinn, **D. I. Alexandropoulos**, M. Damjanović, W. Wernsdorfer, A. Escuer, J. Mayans, M. Pilkington, **Th. C. Stamatatos**, "Transition metal single-molecule magnets: A $\{Mn_{31}\}$ nano-sized cluster with a large energy barrier of ~60 K and magnetic hysteresis at ~5 K", *Journal of the American Chemical Society*, **139**, 15644, 2017.

144. (**FP**) **A. A. Alaimo**, E. S. Koumousi, L. Cunha-Silva, L. J. McCormick, S. J. Teat, V. Psycharis, C. P. Raptopoulou, S. Muhkerjee, C. Li, S. Das Gupta, A. Escuer, G. Christou, **Th. C. Stamatatos**, "Structural diversities in heterometallic Mn-Ca cluster chemistry from the use of salicylhydroxamic acid: $\{Mn^{III}_4Ca_2\}$, $\{Mn^{II/III}_6Ca_2\}$, $\{Mn^{III/IV}_8Ca\}$ and $\{Mn^{III}_8Ca_2\}$ complexes with relevance to both high- and low-valent states of the oxygen-evolving complex", *Inorganic Chemistry*, **56**, 10760, 2017.

143. (**C**) **D. I. Alexandropoulos**, **E. C. Mazarakioti**, S. A. Corrales, J. T. Bryant, L. V. Gasparov, C. Lampropoulos, **Th. C. Stamatatos**, "New ligands for uranium complexation: A stable uranyl dimer bearing 2,6-diacetylpyridine dioxime", *Inorganic Chemistry Communications*, **78**, 13, 2017.

142. (**FP**) **P. Richardson**, K. J. Gagnon, S. J. Teat, G. Lorusso, M. Evangelisti, J. Tang, **Th. C. Stamatatos**, "New dioximes as bridging ligands in 3*d*/4*f*-metal cluster chemistry: One-dimensional chains of ferromagnetically coupled $\{Cu_6Ln_2\}$ clusters bearing acenaphthenequinone dioxime and exhibiting magnetocaloric properties", *Crystal Growth & Design*, **17**, 2486, 2017.

141. (**C**) **D. I. Alexandropoulos**, K. M. Poole, L. Cunha-Silva, J. Ahmad Sheikh, W. Wernsdorfer, G. Christou, **Th. C. Stamatatos**, "A family of 'windmill'-like $\{Cu_6Ln_{12}\}$ complexes exhibiting single-molecule magnetism behavior and large magnetic entropy

changes", *Chemical Communications*, **53**, 4266, 2017.

140. (**FP**) **E. C. Mazarakioti**, J. Regier, L. Cunha-Silva, W. Wernsdorfer, M. Pilkington, J. Tang, **Th. C. Stamatatos**, "Large energy barrier and magnetization hysteresis at 5 K for a symmetric $\{Dy_2\}$ complex with spherical tricapped trigonal prismatic Dy^{III} ions", *Inorganic Chemistry*, **56**, 3568, 2017.

139. (**C**) **D. I. Alexandropoulos**, A. Fournet, L. Cunha-Silva, G. Christou, **Th. C. Stamatatos**, "'Molecular nanoclusters': A 2 nm-sized $\{Mn_{29}\}$ cluster with a spherical structure", *Inorganic Chemistry*, **55**, 12118, 2016.

138. (**FP**) **D. P. Giannopoulos**, L. Cunha-Silva, R. Ballesteros-Garrido, R. Ballesteros, B. Abarca, A. Escuer, **Th. C. Stamatatos**, "New structural motifs in Mn cluster chemistry from the ketone/*gem*-diol and bis(*gem*-diol) forms of 2,6-di(2-pyridylcarbonyl)pyridine: $\{Mn^{II}_4Mn^{III}_2\}$ and $\{Mn^{II}_4Mn^{III}_6\}$ complexes", *RSC Advances*, **6**, 105969, 2016.

137. (**FP**) **P. S. Perlepe**, L. Cunha-Silva, V. Bekiari, K. J. Gagnon, S. J. Teat, A. Escuer, **Th. C. Stamatatos**, "Structural diversity in Ni^{II} cluster chemistry: Ni_5, Ni_6 and $\{NiNa_2\}_n$ complexes bearing the Schiff-base ligand *N*-naphthalidene-2-amino-5-chlorobenzoic acid", *Dalton Transactions*, **45**, 10256, 2016.

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_{16} and Mn_{18} clusters", *Polyhedron*, **108**, 131, 2016.

135. (**C**) **P. S. Perlepe**, L. Cunha-Silva, K. J. Gagnon, S. J. Teat, C. Lampropoulos, A. Escuer, **Th. C. Stamatatos**, "'Ligands-with-Benefits': Naphthalene-substituted Schiff bases yielding new Ni^{II} 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 3*d*/4*f*-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: $Ce^{IV}_3Mn^{III}_7$ and $Ce^{IV}_5Mn^{III}_{11}$", *Polyhedron*, **103**, 288, 2016.

132. (**C**) **E. C. Mazarakioti**, L. Cunha-Silva, V. Bekiari, A. Escuer, **Th. C. Stamatatos**, "New

structural topologies in 4*f*-metal cluster chemistry from vertex-sharing butterfly units: $\{Ln^{III}_7\}$ complexes exhibiting slow magnetization relaxation and ligand-centred emissions", *RSC Advances*, **5**, 92534, 2015.

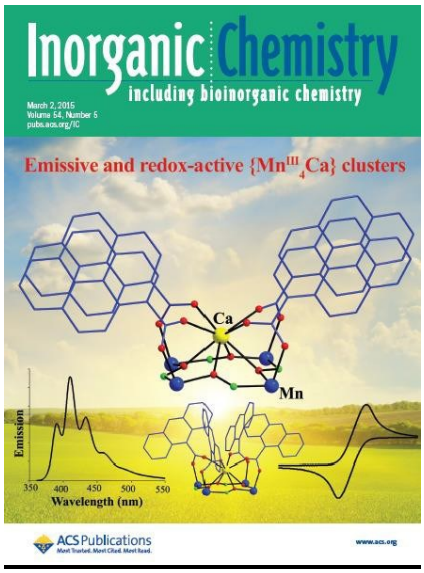
131. (**C**) **P. Richardson**, **D. I. Alexandropoulos**, L. Cunha-Silva, G. Lorusso, M. Evangelisti, J. Tang, **Th. C. Stamatatos**, "'All three-in-one': ferromagnetism, single-molecule magnetism and magnetocaloric properties in a new family of $[Cu_4Ln]$ (Ln^{III} = Gd, Tb, Dy) clusters", *Inorganic Chemistry Frontiers*, **2**, 945, 2015.

130. (**C**) **D. Dermitzaki**, C. P. Raptopoulou, V. Psycharis, A. Escuer, S. P. Perlepes, **Th. C. Stamatatos**, "Non-employed simple carboxylate ions in well-investigated areas of heterometallic carboxylate cluster chemistry: A new family of $\{Cu^{II}_4Ln^{III}_8\}$ complexes bearing *tert*-butylacetate bridging ligands", *Inorganic Chemistry*, **54**, 7555, 2015.

129. (**FP**) P. Danelli, Z. G. Lada, C. P. Raptopoulou, V. Psycharis, **Th. C. Stamatatos**, S. P. Perlepes, "Doubly thiocyanato(S,N)-bridged dinuclear complexes of mercury(II) from the use of 2-pyridyl oximes as capping ligands", *Current Inorganic Chemistry*, **5**, 26, 2015.

128. (**FP**) **D. P. Giannopoulos**, C. Wilson-Konderka, K. J. Gagnon, S. J. Teat, A. Escuer, C. Metallinos, **Th. C. Stamatatos**, "Synthesis and first use of pyridine-2,6-diylbis(pyrazine-2-ylmethanone) in metal cluster chemistry: A $\{Mn^{III}_3Na_2\}$ complex with an ideal trigonal bipyramidal geometry", *Dalton Transactions*, **44**, 4318, 2015.

127. (**FP**) **A. A. Alaimo**, D. Takahashi, L. Cunha-Silva, G. Christou, **Th. C. Stamatatos**, "Emissive $\{Mn^{III}_4Ca\}$ clusters with square pyramidal topologies: Synthetic, structural, and spectroscopic and physicochemical characterization", *Inorganic Chemistry*, **54**, 2137, 2015.



126. (**C**) M. Naimi, Th. Tsakiridis, **Th. C. Stamatatos**, **D. I. Alexandropoulos**, E. Tsiani, "Increased skeletal muscle glucose uptake by rosemary extract through AMPK activation", *Applied Physiology, Nutrition, and Metabolism*, **40**, 407, 2015.

125. (**C**) **A. A. Athanasopoulou**, M. Pilkington, C. P. Raptopoulou, A. Escuer, **Th. C. Stamatatos**, "Structural aesthetics in molecular nanoscience: A unique Ni_{26} cluster with a 'rabbit-face' topology and a discrete Ni_{18} 'molecular chain'", *Chemical Communications*, **50**, 14942, 2014.

124. (**FP**) B. Murphy, I. Snajdr, A. Machara, M. A. A. Endoma-Arias, **Th. C. Stamatatos**, D. P. Cox, T. Hudlicky, "Conversion of thebaine to oripavine and other useful intermediates for the semisynthesis of opiate-derived agents: Synthesis of hydromorphone", *Advanced Synthesis and Catalysis*, **356**, 2679, 2014.

123. (**C**) **D. I. Alexandropoulos**, L. Cunha-Silva, A. Escuer, **Th. C. Stamatatos**, "New classes

of ferromagnetic materials with exclusively end-on azido bridges: From single-molecule magnets to 2D molecule-based magnets", *Chemistry – A European Journal*, **20**, 13860, 2014.

122. (**C**) **P. S. Perlepe**, **A. A. Athanasopoulou**, K. I. Alexopoulou, C. P. Raptopoulou, V. Psycharis, A. Escuer, S. P. Perlepes, **Th. C. Stamatatos**, "Structural and magnetic variations in tetranuclear Ni^{II} clusters: the effect of the reaction solvent and ligand substitution on the product identity", *Dalton Transactions*, **43**, 16605, 2014.

121. (**C**) **D. Dermitzaki**, C. P. Raptopoulou, V. Psycharis, A. Escuer, S. P. Perlepes, **Th. C. Stamatatos**, "Unexpected metal ion-assisted transformation leading to unexplored bridging ligands in Ni^{II} coordination chemistry: The case of PO_3F^{2-} group", *Dalton Transactions*, **43**, 14520, 2014.

120. (**C**) M. Charalambous, S. M. Zartilas, E. E. Moushi, C. Papatriantafyllopoulou, M. J. Manos, **Th. C. Stamatatos**, S. Mukherjee, V. Nastopoulos, G. Christou, A. J. Tasiopoulos, "Discrete and encapsulated molecular grids: Homometallic Mn_{15} and heterometallic $Mn_{24}Ni_2$ aggregates", *Chemical Communications*, **50**, 9090, 2014.

119. (**C**) R. Mirabdolbaghi, T. Dudding, **Th. C. Stamatatos**, "A class of phase-transfer catalyst with interionic strain: Insight into the bonding of disubstituted N- vs carbene-stabilized N^{I}-centered cations", *Organic Letters*, **16**, 2790, 2014.

118. (**C**) **E. C. Mazarakioti**, K. M. Poole, L. Cunha-Silva, G. Christou, **Th. C. Stamatatos**, "A new family of Ln_7 clusters with an ideal D_{3h} metal-centered trigonal prismatic geometry, and SMM and photoluminescence behaviors", *Dalton Transactions*, **43**, 11456, 2014.

**Hot article for Dalton Transaction in May 2014:

http://blogs.rsc.org/dt/2014/05/01/hot-articles-for-may/

117. (**C**) **D. I. Alexandropoulos**, A. Fournet, L. Cunha-Silva, A. M. Mowson, V. Bekiari, G. Christou, **Th. C. Stamatatos**, "Fluorescent naphthalene diols as bridging ligands in Ln^{III} cluster chemistry: Synthetic, structural, magnetic and photophysical characterization of Ln^{III}_8 'Christmas-stars'", *Inorganic Chemistry*, **53**, 5420, 2014.

116. (**C**) **A. A. Athanasopoulou**, C. P. Raptopoulou, A. Escuer, **Th. C. Stamatatos**, "Rare nuclearities in Ni(II) cluster chemistry: A Ni_{11} cage-like cluster from the initial use of *N*-salicylidene-2-amino-5-chlorobenzoic acid", *RSC Advances*, **4**, 12680, 2014.

115. (**C**) E. Gavey, Y. Beldjoudi, J. M. Rawson, **Th. C. Stamatatos**, M. Pilkington, "Slow relaxation in the first penta-aza Dy(III) macrocyclic complex", *Chemical Communications*, **50**, 3741, 2014.

114. (**R**) A. Escuer, J. Esteban, S. P. Perlepes, **Th. C. Stamatatos**, "The bridging azido ligand as a central "player" in high-nuclearity 3d-metal cluster chemistry", *Coordination Chemistry Reviews*, **275**, 87, 2014.

113. (**FP**) **D. I. Alexandropoulos**, L. Cunha-Silva, L. Pham, V. Bekiari, G. Christou, **Th. C. Stamatatos**, "Tetranuclear lanthanide(III) complexes with a zigzag topology from the use of pyridine-2,6-dimethanol: Synthetic, structural, spectroscopic, magnetic and photoluminescence studies", *Inorganic Chemistry*, **53**, 3220, 2014.

112. (**C**) **D. P. Giannopoulos**, A. Thuijs, W. Wernsdorfer, M. Pilkington, G. Christou, **Th. C. Stamatatos**, "Supramolecular chains of high nuclearity $\{Mn^{III}_{25}\}$ barrel-like single molecule magnets", *Chemical Communications*, **50**, 779, 2014.

111. (**C**) **D. I. Alexandropoulos**, A. M. Mowson, M. Pilkington, V. Bekiari, G. Christou, **Th. C. Stamatatos**, "Emissive molecular nanomagnets: Introducing optical properties in

triangular oximato $\{Mn^{III}_3\}$ SMMs from the deliberate replacement of simple carboxylate ligands with their fluorescent analogues", *Dalton Transactions*, **43**, 1965, 2014.

110. (**C**) **D. Dermitzaki**, G. Lorusso, C. P. Raptopoulou, V. Psycharis, A. Escuer, M. Evangelisti, S. P. Perlepes, **Th. C. Stamatatos**, "Molecular nanoscale magnetic refrigerants: A ferrimagnetic $\{Cu^{II}_{15}Gd^{III}_7\}$ cage-like cluster from the use of pyridine-2,6-dimethanol", *Inorganic Chemistry*, **52**, 10235, 2013.

109. (**FP**) S. Zartilas, C. Papatriantafyllopoulou, **Th. C. Stamatatos**, V. Nastopoulos, E. Cremades, E. Ruiz, G. Christou, C. Lampropoulos, A. J. Tasiopoulos, "A $Mn^{II}_6Mn^{III}_6$ single-strand molecular wheel with a reuleaux triangular topology: Synthesis, structure, magnetism and DFT studies", *Inorganic Chemistry*, **52**, 12070, 2013.

108. (**FP**) **D. I. Alexandropoulos**, C. Li, C. P. Raptopoulou, V. Psycharis, W. Wernsdorfer, G. Christou, **Th. C. Stamatatos**, "Slow magnetization relaxation in a 1-D double-chain coordination polymer composed of $\{Dy^{III}_4\}$ repeating units", *Current Inorganic Chemistry*, **3**, 161, 2013.

(Highlighted in Molecular Magnetism Web (http://www.molmag.de/) under the title: "Emerging young scientists in molecular magnetism")

107. (**C**) **D. I. Alexandropoulos**, C. Papatriantafyllopoulou, C. Li, L. Cunha-Silva, M. J. Manos, A. J. Tasiopoulos, W. Wernsdorfer, G. Christou, **Th. C. Stamatatos**, "Approaches to molecular magnetic materials from the use of cyanate groups in higher oxidation state metal cluster chemistry: Mn_{14} and Mn_{16}", *European Journal of Inorganic Chemistry*, 2286, 2013.

106. (**C**) **D. I. Alexandropoulos**, T. N. Nguyen, L. Cunha-Silva, Th. F. Zafiropoulos, A. Escuer, G. Christou, **Th. C. Stamatatos**, "Slow magnetization relaxation in unprecedented $Mn^{III}_4Dy^{III}_3$ and $Mn^{III}_4Dy^{III}_5$ clusters from the use of *N*-salicylidene-o-aminophenol", *Inorganic Chemistry*, **52**, 1179, 2013.

105. (**C**) **E. S. Koumousi**, **A. Routzomani**, T. N. Nguyen, **D. P. Giannopoulos**, C. P. Raptopoulou, V. Psycharis, G. Christou, **Th. C. Stamatatos**, "2-Pyrrolyloximes in high-nuclearity transition-metal cluster chemistry: Fe_{10} and Fe_{12}", *Inorganic Chemistry*, **52**, 1176, 2013.

104. (**FP**) **D. I. Alexandropoulos**, **E. C. Mazarakioti**, S. J. Teat, **Th. C. Stamatatos**, "Rare nuclearities, new structural motifs, and slow magnetization relaxation phenomena in manganese cluster chemistry: A $Mn_{15}Na_2$ cage from the use of triethanolamine/pivalate/azide "blend"", *Polyhedron*, **64**, 91, 2013.

103. (**FP**) K. F. Konidaris, M. Giouli, C. P. Raptopoulou, V. Psycharis, I. I. Verginadis, A. Vasiliadis, A. S. Afendra, S. Karkabounas, E. Manessi-Zoupa, **Th. C. Stamatatos**, "Employment of pyridyl oximes and dioximes in zinc(II) chemistry: Synthesis, structural and spectroscopic characterization, and biological evaluation", *Inorganica Chimica Acta*, **396**, 49, 2013.

102. (**FP**) E. Katsoulakou, **D. Dermitzaki**, K. F. Konidaris, E. E. Moushi, C. P. Raptopoulou, V. Psycharis, A. J. Tasiopoulos, V. Bekiari, E. Manessi-Zoupa, S. P. Perlepes, **Th. C. Stamatatos**, "Hexanuclear zinc(II) carboxylate complexes from the use of pyridine-2,6-dimethanol: Synthetic, structural and photoluminescence studies", *Polyhedron*, **52**, 467, 2013.

101. (**N**) **Th. C. Stamatatos**, S. P. Perlepes, C. P. Raptopoulou, A. Terzis, N. Klouras, "Bis(aquo)bis(η^5-cyclopentadienyl)vanadium(IV) bis(trifluoromethanesulfonate) tetrahydrofuran solvate: Synthesis and characterization", *Inorganica Chimica Acta*, **394**, 747, 2013.

100. (**FP**) K. I. Alexopoulou, C. P. Raptopoulou, V. Psycharis, A. Terzis, V. Tangoulis, **Th. C. Stamatatos**, S. P. Perlepes, "Solvent-dependent access to two different Ni^{II}_4 core topologies from the first use of pyridine-2,6-dimethanol in nickel(II) cluster chemistry", *Australian Journal of Chemistry*, **65**, 1608, 2012.

99. (**FP**) **E. S. Koumousi**, M. Zampakou, C. P. Raptopoulou, V. Psycharis, C. M. Beavers, S. J. Teat, G. Psomas, **Th. C. Stamatatos**, "First palladium(II) and platinum(II) complexes

from employment of 2,6-diacetylpyridine dioxime: Synthesis, structural and spectroscopic characterization, and biological evaluation", *Inorganic Chemistry*, **51**, 7699, 2012.

98. (**C**) **D. I. Alexandropoulos**, M. J. Manos, C. Papatriantafyllopoulou, S. Mukherjee, A. J. Tasiopoulos, S. P. Perlepes, G. Christou, **Th. C. Stamatatos**, ""Squaring the clusters": A $Mn^{III}_4Ni_4$ molecular square from nickel(II)-induced structural transformation of a $Mn^{II/III/IV}_{12}$ cage", *Dalton Transactions*, **41**, 4744, 2012.

97. (**FP**) **Th. C. Stamatatos**, G. Vlahopoulou, C. P. Raptopoulou, V. Psycharis, A. Escuer, G. Christou, S. P. Perlepes, "Single-strand molecular wheels and coordination polymers in copper(II) benzoate chemistry from the employment of α-benzoin oxime and azides: Synthesis, and structural and magnetic characterization", *European Journal of Inorganic Chemistry*, 3121, 2012.

96. (**C**) S. Mukherjee, J. A. Stull, J. Yano, **Th. C. Stamatatos**, K. Pringouri, T. A. Stich, K. A. Abboud, R. D. Britt, V. K. Yachandra, G. Christou, "Synthetic model of the asymmetric $[Mn_3CaO_4]$ cubane core of the oxygen-evolving complex of Photosystem II", *Proceedings of the National Academy of Sciences*, **109**, 2257, 2012.

95. (**C**) **Th. C. Stamatatos**, R. Adam, C. P. Raptopoulou, V. Psycharis, R. Ballesteros, B. Abarca, S. P. Perlepes, A. K. Boudalis, "The first member of a second generation family of ligands derived from metal-ion assisted reactivity of di-2,6-(2-pyridylcarbonyl)pyridine: Synthesis and characterization of a $Mn^{II/III}_4$ rhombus", *Inorganic Chemistry Communications*, **15**, 73, 2012.

94. (**C**) **D. I. Alexandropoulos**, S. Mukherjee, C. Papatriantafyllopoulou, C. P. Raptopoulou, V. Psycharis, V. Bekiari, G. Christou, **Th. C. Stamatatos**, "A new family of nonanuclear lanthanide clusters displaying magnetic and optical properties", *Inorganic Chemistry*, **50**, 11276, 2011.

93. (**C**) **E. S. Koumousi**, S. Mukherjee, C. M. Beavers, S. J. Teat, G. Christou, **Th. C. Stamatatos**, "Towards models of the oxygen-evolving complex (OEC) of photosystem II: A Mn_4Ca cluster of relevance to low oxidation states of the OEC", *Chemical Communications*, **47**, 11128, 2011.

92. (**FP**) K. F. Konidaris, V. Bekiari, E. Katsoulakou, C. P. Raptopoulou, V. Psycharis, S. P. Perlepes, **Th. C. Stamatatos**, E. Manessi-Zoupa, "Initial employment of pyridine-2-amidoxime in zinc(II) chemistry: synthetic, structural and spectroscopic studies of

mononuclear and dinuclear complexes", *Inorganica Chimica Acta*, **376**, 470, 2011.

91. (**FP**) **Th. C. Stamatatos**, S. P. Perlepes, M. J. Manos, A. J. Tasiopoulos, N. Klouras, "Unexpected formation, X-ray structure, and characterization of the triangular $[Ti_3O(OMe)_6(\eta^5\text{-}C_5H_5)_3](I_3)$ complex from hydrolysis and methanolysis of $[Ti(\eta^5\text{-}C_5H_5)_2I_2]$", *Journal of Coordination Chemistry*, **64**, 2377, 2011.

90. (**FP**) **Th. C. Stamatatos**, K. Oliver, K. A. Abboud, G. Christou, "Synthetic entry into mixed bismuth-manganese cluster chemistry at high oxidation states: $Bi^{III}_2Mn^{IV}_6$ and $Bi^{III}Mn^{III}_{10}$ complexes", *Inorganic Chemistry*, **50**, 5272, 2011.

89. (**FP**) **Th. C. Stamatatos**, C. P. Raptopoulou, S. P. Perlepes, A. K. Boudalis, "The first non-acetato members of the bis(anion)octacarboxylatotetrakis{di-2-pyridyl-methanediolate(-2)}enneametal(II) family of complexes: Synthesis, X-ray structures and magnetism of $[M_9(N_3)_2(O_2CCMe_3)_8\{(py)_2CO_2\}_4]$ (M = Co, Ni)", *Polyhedron*, **30**, 3026, 2011.

88. (**FP**) C. R. Bowers, C.- Y. Cheng, **Th. C. Stamatatos**, G. Christou, "Hyperpolarized NMR in single-file nanotubes", *AIP Conference Proceedings*, **1330**, 43, 2011.

87. (**C**) **Th. C. Stamatatos**, D. Foguet-Abiol, W. Wernsdorfer, K. A. Abboud, G. Christou, "High-nuclearity, mixed-valence Mn_{17}, Mn_{18} and $\{Mn_{62}\}_n$ complexes from the use of triethanolamine", *Chemical Communications*, **47**, 274, 2011.

86. (**FP**) **Th. C. Stamatatos**, S. P. Perlepes, C. P. Raptopoulou, V. Psycharis, N. Klouras, "Reactions of the metallocene dichlorides $[M(Cp)_2Cl_2]$ (M = Zr, Hf) and $[Ti(MeCp)_2Cl_2]$ with the pyridine-2,6-dicarboxylate(-2) ligand: Synthesis, spectroscopic characterization and X-ray structures of the products", *Polyhedron*, **30**, 451, 2011.

85. (**FP**) C. Papatriantafyllopoulou, **Th. C. Stamatatos**, W. Wernsdorfer, S. J. Teat, A. J. Tasiopoulos, A. Escuer, S. P. Perlepes, "Combining azide, carboxylate and 2-pyridyloximate ligands in transition metal chemistry: Ferromagnetic Ni^{II}_5 clusters with a bowtie skeleton", *Inorganic Chemistry*, **49**, 10486, 2010.

84. (**C**) C. G. Efthymiou, **Th. C. Stamatatos**, C. Papatriantafyllopoulou, A. J. Tasiopoulos, W. Wernsdorfer, S. P. Perlepes, G. Christou, "Nickel/lanthanide single-molecule magnets: $\{Ni_3Ln\}$ 'stars' with a ligand derived from the metal-promoted reduction of di-2-pyridyl ketone under solvothermal conditions", *Inorganic Chemistry*, **49**, 9737, 2010.

83. (**C**) C. Papatriantafyllopoulou, **Th. C. Stamatatos**, C. G. Efthymiou, L. Cunha-Silva, F. A. Almeida Paz, S. P. Perlepes, G. Christou, "A high nuclearity 3d/4f metal oxime cluster: An unusual Ni_8Dy_8 'core-shell' complex from the use of 2-pyridinealdoxime",

Inorganic Chemistry, **49**, 9743, 2010.

82. (**FP**) K. F. Konidaris, A. Terzis, C. P. Raptopoulou, S. P. Perlepes, E. Manessi-Zoupa, **Th. C. Stamatatos**, "Use of the 2-pyridinealdoxime/N,N′-donor ligand combination in cobalt(II) chemistry: Synthesis and crystal structure determination of mononuclear Co(III) complexes", *Bioinorganic Chemistry and Applications*, doi:10.1155/2010/159656.

81. (**FP**) D. M. Pajerowski, **Th. C. Stamatatos**, S. Mukherjee, E. S. Knowles, M. Bencomo, M. W. Meisel, G. Christou, "Pressure dependence of the magnetization in Mn_7 single-molecule magnets", *Polyhedron*, **29**, 2462, 2010.

80. (**FP**) **Th. C. Stamatatos**, K. A. Abboud, G. Christou, "A family of 3-D coordination polymers composed of mixed-valence Mn_6 octahedra within Na_4 tetrahedra", *Journal of Cluster Science*, **21**, 485, 2010.

79. (**FP**) E. Koleros, **Th. C. Stamatatos**, V. Psycharis, C. P. Raptopoulou, S. P. Perlepes, N. Klouras, "In search for titanocene complexes with improved cytotoxic activity: Synthesis, X-ray structure and spectroscopic study of bis(η^5-cyclopentadienyl)difluorotitanium(IV)", *Bioinorganic Chemistry and Applications*, doi:10.1155/2010/914580.

78. (**C**) **D. I. Alexandropoulos**, C. Papatriantafyllopoulou, O. Roubeau, S. J. Teat, S. P. Perlepes, G. Christou, **Th. C. Stamatatos**, "The highest nuclearity manganese/oximate complex: An unusual $Mn^{II/III}_{15}$ cluster with an $S = 6$ ground state", *Inorganic Chemistry*, **49**, 3962, 2010.

77. (**C**) **E. S. Koumousi**, M. J. Manos, C. Lampropoulos, A. J. Tasiopoulos, W. Wernsdorfer, G. Christou, **Th. C. Stamatatos**, "α-Benzoin oxime in higher oxidation state 3d metal cluster chemistry: Structural and magnetic study of a new Mn^{III}_9 complex", *Inorganic Chemistry*, **49**, 3077, 2010.

76. (**FP**) C.- Y. Cheng, **Th. C. Stamatatos**, G. Christou, C. R. Bowers, "Molecular wheels as nanoporous materials: Differing modes of gas diffusion through Ga_{10} and Ga_{18} wheels of different diameters probed by hyperpolarized ^{129}Xe NMR spectroscopy", *Journal of the American Chemical Society*, **132**, 5387, 2010.

75. (**FP**) C. Lampropoulos, **Th. C. Stamatatos**, M. J. Manos, A. J. Tasiopoulos, K. A. Abboud, G. Christou, "New mixed-valence $Mn^{II/III}_6$ complexes bearing oximato and azido ligands: Synthesis, and structural and magnetic characterization", *European Journal of*

Inorganic Chemistry, 2244, 2010.

74. (**C**) T.- F. Liu, **Th. C. Stamatatos**, K. A. Abboud, G. Christou, "An alcoholysis route to a Cu_{16} cluster, and the influence of the alcohol", *Dalton Transactions*, 3554, 2010.

73. (**FP**) **E. S. Koumousi**, C. P. Raptopoulou, S. P. Perlepes, A. Escuer, **Th. C. Stamatatos**, "Strong antiferromagnetic coupling in doubly *N,O* oximato-bridged dinuclear copper(II) complexes", *Polyhedron*, **29**, 204, 2010.

72. (**FP**) **Th. C. Stamatatos**, D. Foguet-Albiol, K. M. Poole, W. Wernsdorfer, K. A. Abboud, T. A. O'Brien, G. Christou, "Spin maximization from $S = 11$ to $S = 16$ in Mn_7 disk-like clusters: Spin frustration effects and their computational rationalization", *Inorganic Chemistry*, **48**, 9831, 2009.

71. (**FP**) G. Redler, C. Lampropoulos, S. Datta, C. Koo, **Th. C. Stamatatos**, N. E. Chakov, G. Christou, S. Hill, "Crystal lattice desolvation effects on the magnetic quantum tunneling of single-molecule magnets", *Physical Review B*, **80**, 094408, 2009.

70. (**R**) **Th. C. Stamatatos**, C. G. Efthymiou, C. C. Stoumpos, S. P. Perlepes, "Adventures in the coordination chemistry of di-2-pyridyl ketone and related ligands: From high-spin molecules and single-molecule magnets to coordination polymers, and from structural aesthetics to an exciting new reactivity chemistry of coordinated ligands", *European Journal of Inorganic Chemistry*, 3361, 2009.

69. (**FP**) G. C. Vlahopoulou, D. I. Alexandropoulos, C. P. Raptopoulou, S. P. Perlepes, A. Escuer, **Th. C. Stamatatos**, "A tetranuclear complex from the employment of pyridine-2,6-dimethanol in copper(II) nitrate chemistry: Synthetic, structural and magnetic studies", *Polyhedron*, **28**, 3235, 2009.

68. (**FP**) E. E. Moushi, **Th. C. Stamatatos**, V. Nastopoulos, G. Christou, A. J. Tasiopoulos, "A

new family of octanuclear Mn complexes with a rod-like topology", *Polyhedron*, **28**, 3203, 2009.

67. (**C**) E. E. Moushi, **Th. C. Stamatatos**, V. Nastopoulos, G. Christou, A. J. Tasiopoulos, "1-D coordination polymers consisting of a high-spin Mn_{17} octahedral unit", *Polyhedron*, **28**, 1814, 2009.

66. (**FP**) C. Lampropoulos, **Th. C. Stamatatos**, K. A. Abboud, G. Christou, "A convenient Mn^{III} starting material for the synthesis of homo- and heterometallic manganese carboxylate clusters: Mn_9 and $Mn_{10-x}Fe_x$ complexes", *Polyhedron*, **28**, 1958, 2009.

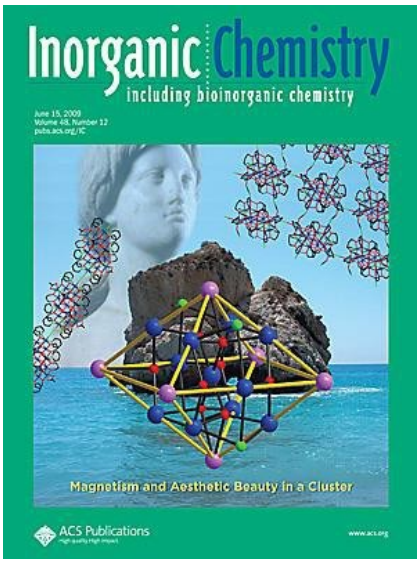
65. (**C**) **Th. C. Stamatatos**, K. A. Abboud, G. Christou, "Old ligands with new coordination chemistry: A $Mn_{17}Na$ cluster bearing triethanolamine and azide groups and exhibiting slow magnetization relaxation", *Polyhedron*, **28**, 1880, 2009.

64. (**C**) **Th. C. Stamatatos**, K. V. Pringouri, K. A. Abboud, G. Christou, "High-spin molecules: A mixed-valence Mn_6 octahedron with an $S = 11$ ground state", *Polyhedron*, **28**, 1624, 2009.

63. (**FP**) **Th. C. Stamatatos**, J. C. Vlahopoulou, V. Tangoulis, C. P. Raptopoulou, A. Terzis, G. S. Papaefstathiou, S. P. Perlepes, "New copper(II) clusters and coordination polymers from the amalgamation of azide/benzoate/di-2-pyridyl ketone ligands", *Polyhedron*, **28**, 1656, 2009.

62. (**FP**) **Th. C. Stamatatos**, E. Katsoulakou, A. Terzis, C. P. Raptopoulou, R. E. P. Winpenny, S. P. Perlepes, "A family of mononuclear Co^{III}/2-pyridyloximate complexes and their conversion to trinuclear, mixed-valence linear $Co^{II/III}_3$ clusters", *Polyhedron*, **28**, 1638, 2009.

61. (**C**) E. E. Moushi, **Th. C. Stamatatos**, W. Wernsdorfer, V. Nastopoulos, G. Christou, A. J. Tasiopoulos, "A Mn_{17} octahedron with a giant ground-state spin: Occurrence in discrete form and as multidimensional coordination polymers", *Inorganic Chemistry*, **48**, 5049, 2009.



60. (**C**) **Th. C. Stamatatos**, A. Vinslava, K. A. Abboud, G. Christou, "Azide groups in high oxidation state Mn carboxylate chemistry: A new Mn_{11} complex and its conversion to a Mn_{25} azide complex with Me_3SiN_3", *Chemical Communications*, 2839, 2009.

59. (**C**) G. C. Vlahopoulou, **Th. C. Stamatatos**, V. Psycharis, S. P. Perlepes, G. Christou, "Initial employment of α-benzoin oxime as a route to high-nuclearity metal clusters: Decanuclear Cu^{II} complexes with a wheel topology", *Dalton Transactions*, 3646, 2009.

58. (**C**) O. Waldman, **Th. C. Stamatatos**, I. Sheikin, H. Mutka, H. U. Güdel, G. Christou, "Quantum phase interference and Néel vector tunneling in antiferromagnetic molecular wheels", *Physical Review Letters*, **102**, 157202, 2009.

57. (**C**) **Th. C. Stamatatos**, G. C. Vlahopoulou, C. P. Raptopoulou, A. Terzis, A. Escuer, S. P. Perlepes, "Interpretation of the magnetic properties of a compound consisting of cocrystallized Cu^{II}_3 and Cu^{II}_4 clusters through the targeted synthesis and study of its discrete Cu^{II}_4 component", *Inorganic Chemistry*, **48**, 4610, 2009.

56. (**C**) **Th. C. Stamatatos**, S. P. Perlepes, C. P. Raptopoulou, V. Psycharis, C. S. Patrickios, A. J. Tasiopoulos, A. K. Boudalis, "Initial use of 1,1′-oxalyldiimidazole for inorganic synthesis: Decomposition of the ligand as a means to the preparation of an imidazole- and oxalate(-2)-containing, 1D copper(II) complex", *Inorganic Chemistry Communications*, **12**, 402, 2009.

55. (**FP**) **Th. C. Stamatatos**, S. P. Perlepes, C. P. Raptopoulou, A. Terzis, C. S. Patrickios, A. J. Tasiopoulos, A. K. Boudalis, "Alcoholysis/hydrolysis of 1,1′-carbonyldiimidazole as a means to the preparation of unprecedented, imidazole-containing one-dimensional

coordination polymers of copper(II)", *Dalton Transactions*, 3354, 2009.

54. (**FP**) G. Lazari, **Th. C. Stamatatos**, C. P. Raptopoulou, V. Psycharis, M. Pissas, S. P. Perlepes, A. K. Boudalis, "A metamagnetic 2D copper(II)-azide complex with 1D ferromagnetism and a hysteretic spin-flop transition", *Dalton Transactions*, 3215, 2009.

53. (**R**) **Th. C. Stamatatos**, G. Christou, "Azide groups in higher oxidation state manganese cluster chemistry: From structural aesthetics to single-molecule magnets", *Inorganic Chemistry*, **48**, 3308, 2009.

52. (**C**) C. Lampropoulos, K. A. Abboud, **Th. C. Stamatatos**, G. Christou, "A nontwisted, ferromagnetically coupled Mn^{III}_3O triangular complex from the use of 2,6-bis(hydroxymethyl)-*p*-cresol", *Inorganic Chemistry*, **48**, 813, 2009.

51. (**FP**) C. C. Stoumpos, **Th. C. Stamatatos**, H. Sartzi, O. Roubeau, A. J. Tasiopoulos, V. Nastopoulos, S. J. Teat, G. Christou, S. P. Perlepes, "Employment of methyl 2-pyridyl ketone oxime in manganese non-carboxylate chemistry: $Mn^{II}_2Mn^{IV}$ and $Mn^{II}_2Mn^{III}_6$ complexes", *Dalton Transactions*, 1004, 2009.

50. (**C**) **Th. C. Stamatatos**, K. A. Abboud, W. Wernsdorfer, G. Christou, "$\{Mn_6\}_n$ single-chain magnet bearing azides and di-2-pyridylketone-derived ligands", *Inorganic Chemistry*, **48**, 807, 2009.

49. (**C**) C. Lampropoulos, **Th. C. Stamatatos**, K. A. Abboud, G. Christou, "Initial use of dioximate ligands in 3d/4f cluster chemistry: Synthesis, structure, and magnetic studies of an unusual $[Gd^{III}_2Mn^{IV}O]^{8+}$ complex", *Inorganic Chemistry*, **48**, 429, 2009.

48. (**C**) **Th. C. Stamatatos**, S. J. Teat, W. Wernsdorfer, G. Christou, "Enhancing the quantum properties of manganese-lanthanide single-molecule magnets: Observation of quantum tunneling steps in the hysteresis loops of a $\{Mn_{12}Gd\}$ cluster", *Angewandte Chemie, International Edition*, **48**, 521, 2009.

47. (**FP**) **Th. C. Stamatatos**, K. A. Abboud, G. Christou, "A mononuclear Mn^{III}/'bis-tris' complex and its conversion to a mixed-valence $Mn^{II/III}_5$ cluster", *Dalton Transactions*, 41, 2009.

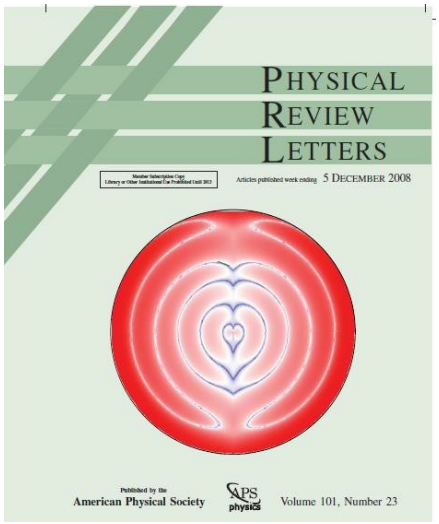
46. (**C**) **Th. C. Stamatatos**, S. Mukherjee, K. A. Abboud, G. Christou, "The largest single-strand molecular wheel: Ga_{20} from a targeted, diolate-induced size modification of the Ga_{10} 'gallic wheel'", *Chemical Communications*, 62, 2009.

45. (**FP**) J. J. Henderson, C. M. Ramsey, E. del Barco, **Th. C. Stamatatos**, G. Christou, "Control of the Inhomogeneity degree by magnetic dilution in crystals of antiferromagnetic

molecular rings", *Physical Review B*, **78**, 214413, 2008.

44. (**FP**) **Th. C. Stamatatos**, A. Escuer, K. A. Abboud, C. P. Raptopoulou, S. P. Perlepes, G. Christou, "Unusual structural types in nickel cluster chemistry from the use of pyridyl oximes: Ni_5, $Ni_{12}Na_2$, and Ni_{14} clusters", *Inorganic Chemistry*, **47**, 11825, 2008.

43. (**C**) W. Wernsdorfer, **Th. C. Stamatatos**, G. Christou, "Influence of the Dzyaloshinskii-Moriya exchange interaction on quantum phase interference of spins", *Physical Review Letters*, **101**, 237204, 2008.



42. (**FP**) C. C. Stoumpos, **Th. C. Stamatatos**, V. Psycharis, C. P. Raptopoulou, G. Christou, S. P. Perlepes, "A new $Mn^{II}_4Mn^{III}_4$ cluster from the use of methyl 2-pyridyl ketone oxime in manganese carboxylate chemistry: Synthetic, structural and magnetic studies", *Polyhedron*, **27**, 3703, 2008.

41. (**FP**) **Th. C. Stamatatos**, V. Nastopoulos, A. J. Tasiopoulos, E. E. Moushi, W. Wernsdorfer, G. Christou, S. P. Perlepes, "High nuclearity single-molecule magnets: A mixed-valence Mn_{26} cluster containing the di-2-pyridylketone diolate dianion", *Inorganic Chemistry*, **47**, 10081, 2008.

40. (**FP**) **Th. C. Stamatatos**, A. G. Christou, S. Mukherjee, K. M. Poole, C. Lampropoulos, K. A. Abboud, T. A. O'Brien, G. Christou, "High-yield syntheses and reactivity studies of Fe_{10} "ferric wheels": Structural, magnetic, and computational characterization of a star-shaped Fe_8 complex", *Inorganic Chemistry*, **47**, 9021, 2008.

39. (**FP**) **Th. C. Stamatatos**, K. A. Abboud, G. Christou, "Preparation and characterization of new Mn_6 and Mn_8 clusters obtained from the *in situ* formation of an unprecedented octadentate ligand", *Journal of Molecular Structure*, **890**, 263, 2008.

38. (**C**) **Th. C. Stamatatos**, V. Tangoulis, C. P. Raptopoulou, A. Terzis, G. S. Papaefstathiou, S. P. Perlepes, "Di-2-pyridyl ketone/benzoate/azide combination as a source of copper(II) clusters and coordination polymers: Dependence of the product identity on the solvent", *Inorganic Chemistry*, **47**, 7969, 2008.

37. (**C**) **Th. C. Stamatatos**, K. M. Poole, D. Foguet-Albiol, K. A. Abboud, T. A. O'Brien, G. Christou, "Spin maximization: Switching of the usual S = 11 state of $Mn^{II}_4Mn^{III}_3$ disklike complexes to the maximum S = 16", *Inorganic Chemistry*, **47**, 6593, 2008.

36. (**C**) **Th. C. Stamatatos**, K. A. Abboud, W. Wernsdorfer, G. Christou, "Covalently linked dimers of clusters: Loop- and dumbbell-shaped Mn_{24} and Mn_{26} single-molecule magnets", *Angewandte Chemie, International Edition*, **47**, 6694, 2008.

35. (**FP**) **Th. C. Stamatatos**, K. M. Poole, K. A. Abboud, W. Wernsdorfer, T. A. O'Brien, G. Christou, "High-spin Mn_4 and Mn_{10} molecules: Large spin changes with structure in mixed-valence $Mn^{II}_4Mn^{III}_6$ clusters with azide and alkoxide-based ligands", *Inorganic Chemistry*, **47**, 5006, 2008.

34. (**FP**) T. Taguchi, **Th. C. Stamatatos**, K. A. Abboud, C. M. Jones, K. M. Poole, T. A. O'Brien, G. Christou, "New Fe_4, Fe_6, and Fe_8 clusters of iron(III) from the use of 2-pyridyl alcohols: Structural, magnetic, and computational characterization", *Inorganic Chemistry*, **47**, 4095, 2008.

33. (**FP**) **Th. C. Stamatatos**, B. S. Luisi, B. Moulton, G. Christou, "Employment of 2,6-diacetylpyridine dioxime as a new route to high nuclearity metal clusters: Mn_6 and Mn_8 complexes", *Inorganic Chemistry*, **47**, 1134, 2008.

32. (**FP**) J. Cano, T. Cauchy, E. Ruiz, C. J. Milios, C. C. Stoumpos, **Th. C. Stamatatos**, S. P. Perlepes, G. Christou, E. K. Brechin, "On the origin of ferromagnetism in oximato-based $[Mn_3O]^{7+}$ triangles", *Dalton Transactions*, 234, 2008.

31. (**R**) **Th. C. Stamatatos**, G. Christou, "Mixed valency in polynuclear Mn^{II}/Mn^{III}, Mn^{III}/Mn^{IV}, and $Mn^{II}/Mn^{III}/Mn^{IV}$ clusters: A foundation for the high-spin molecules and single-molecule magnets", *Philosophical Transactions of the Royal Society A*, **366**, 113, 2008.

30. (**FP**) J. T. Brockman, **Th. C. Stamatatos**, W. Wernsdorfer, K. A. Abboud, G. Christou, "Synthesis and characterization of a Mn_{22} single-molecule magnet and a $[Mn_{22}]_n$ single-chain magnet", *Inorganic Chemistry*, **46**, 9160, 2007.

29. (**FP**) **Th. C. Stamatatos**, D. Foguet-Albiol, S.- C. Lee, C. C. Stoumpos, C. P. Raptopoulou, A. Terzis, W. Wernsdorfer, S. O. Hill, S. P. Perlepes, G. Christou, ""Switching on" the

properties of single-molecule magnetism in triangular manganese(III) complexes", *Journal of the American Chemical Society*, **129**, 9484, 2007.

28. (**FP**) **Th. C. Stamatatos**, A. K. Boudalis, K. V. Pringouri, C. P. Raptopoulou, A. Terzis, J. Wolowska, E. J. L. McInnes, S. P. Perlepes, "Mixed-valence cobalt(II/III) carboxylate clusters: $Co^{II}_4Co^{III}_2$ and $Co^{II}Co^{III}_2$ complexes from the use of 2-(hydroxymethyl)pyridine", *European Journal of Inorganic Chemistry*, 5098, 2007.

27. (**FP**) **Th. C. Stamatatos**, G. S. Papaefstathiou, L. R. MacGillivray, A. Escuer, R. Vicente, E. Ruiz, S. P. Perlepes, "Ferromagnetic coupling in a 1D coordination polymer containing a symmetric $[Cu(\mu_{1,1}\text{-}N_3)_2Cu(\mu_{1,1}\text{-}N_3)_2Cu]^{2+}$ core and based on an organic ligand obtained from the solid-state", *Inorganic Chemistry*, **46**, 8843, 2007.

26. (**C**) **Th. C. Stamatatos**, K. A. Abboud, S. P. Perlepes, G. Christou, "The highest nuclearity metal oxime clusters: Ni_{14} and $Ni_{12}Na_2$ complexes from the use of 2-pyridinealdoximate and azide ligands", *Dalton Transactions*, 3861, 2007.

25. (**C**) **Th. C. Stamatatos**, A. G. Christou, C. M. Jones, B. J. O'Callaghan, K. A. Abboud, T. A. O'Brien, G. Christou, ""Squaring the circle": Molecular squares and rectangles from chelate-induced structural transformations of known Fe_{10} and new Fe_{12} ferric wheels", *Journal of the American Chemical Society*, **129**, 9840, 2007.

24. (**C**) S.- C. Lee, **Th. C. Stamatatos**, S. Hill, S. P. Perlepes, G. Christou, "High-frequency EPR characterization of a triangular Mn_3 single-molecule magnet", *Polyhedron*, **26**, 2225, 2007.

23. (**C**) **Th. C. Stamatatos**, D. Foguet-Albiol, C. C. Stoumpos, C. P. Raptopoulou, A. Terzis, W. Wernsdorfer, S. P. Perlepes, G. Christou, "New Mn_3 structural motifs in manganese single-molecule magnetism from the use of 2-pyridyloximate ligands", *Polyhedron*, **26**, 2165, 2007.

22. (**C**) **Th. C. Stamatatos**, K. A. Abboud, W. Wernsdorfer, G. Christou, "A new Mn_{25} single-molecule magnet with an $S = 61/2$ ground state arising from ligand-induced 'spin-tweaking' in a high-spin molecule", *Polyhedron*, **26**, 2095, 2007.

21. (**FP**) G. S. Papaefstathiou, A. K. Boudalis, **Th. C. Stamatatos**, C. J. Milios, C. G. Efthymiou, C. P. Raptopoulou, A. Terzis, V. Psycharis, Y. Sanakis, R. Vicente, A. Escuer, J.- P. Tuchagues, S. P. Perlepes, "A general synthetic route for the preparation of high-spin molecules: Replacement of bridging hydroxo ligands in molecular clusters by end-on azido ligands", *Polyhedron*, **26**, 2089, 2007.

20. (**C**) **Th. C. Stamatatos**, K. A. Abboud, W. Wernsdorfer, G. Christou, "Ferromagnetically-coupled decanuclear, mixed-valence $[Mn_{10}O_4(N_3)_4(hmp)_{12}]^{2+}$ [hmpH = 2-(hydroxymethyl)pyridine] clusters with rare *T* symmetry and an *S* = 22 ground state", *Polyhedron*, **26**, 2042, 2007.

19. (**C**) **Th. C. Stamatatos**, C. Papatriantafyllopoulou, E. Katsoulakou, C. P. Raptopoulou, S. P. Perlepes, "2-Pyridyloximate clusters of cobalt and nickel", *Polyhedron*, **26**, 1830, 2007.

18. (**C**) **Th. C. Stamatatos**, K. A. Abboud, W. Wernsdorfer, G. Christou, ""Spin tweaking" of a high-spin molecule: An Mn_{25} single-molecule magnet with an *S* = 61/2 ground state", *Angewandte Chemie, International Edition*, **46**, 884, 2007.

17. (**FP**) K. V. Pringouri, C. P. Raptopoulou, A. Escuer, **Th. C. Stamatatos**, "Initial use of di-2-pyridyl ketone oxime in chromium carboxylate chemistry: Triangular $\{Cr^{III}_3(\mu_3\text{-}O)\}^{7+}$ compounds and unexpected formation of a carboxylate-free dichromium(II,II) complex", *Inorganica Chimica Acta*, **360**, 69, 2007.

16. (**C**) **Th. C. Stamatatos**, E. Diamantopoulou, C. P. Raptopoulou, V. Psycharis, A. Escuer, S. P. Perlepes, "Acetate/di-2-pyridyl ketone oxime "blend" as a source of high-nuclearity nickel(II) clusters: Dependence of the nuclearity on the nature of the inorganic anion present", *Inorganic Chemistry*, **46**, 2350, 2007.

15. (**C**) E. E. Moushi, **Th. C. Stamatatos**, W. Wernsdorfer, V. Nastopoulos, G. Christou, A. J. Tasiopoulos, "A family of 3D coordination polymers composed of Mn_{19} magnetic units", *Angewandte Chemie, International Edition*, **45**, 7722, 2006. (*Very Important Papers*, VIP).

14. (**C**) P. King, **Th. C. Stamatatos**, K. A. Abboud, G. Christou, "Reversible size modification of iron and gallium molecular wheels: A Ga_{10} "gallic wheel" and large Ga_{18} and Fe_{18} wheels", *Angewandte Chemie, International Edition*, **45**, 7379, 2006. (Highlighted in *Nature Nanotechnology*, October 27, 2006, doi:10.1038/nnano.2006.128).

13. (**C**) **Th. C. Stamatatos**, K. V. Pringouri, C. P. Raptopoulou, R. Vicente, V. Psycharis, A. Escuer, S. P. Perlepes, "An unusual dichromium(II,II) compound bearing di-2-pyridyl ketone oximate ligands and prepared by the ligand-assisted reduction of a trichromium(III,III,III) complex in air", *Inorganic Chemistry Communications*, **9**, 1178, 2006.

12. (**C**) **Th. C. Stamatatos**, J. C. Vlahopoulou, Y. Sanakis, C. P. Raptopoulou, V. Psycharis, A.

K. Boudalis, S. P. Perlepes, "Formation of the $\{Cu^{II}_3(\mu_3\text{-}OH)\}^{5+}$ core in copper(II) carboxylate chemistry via use of di-2-pyridyl ketone oxime [$(py)_2CNOH$]: $[Cu_3(OH)(O_2CR)_2\{(py)_2CNO\}_3]$ (R = Me, Ph)", *Inorganic Chemistry Communications*, **9**, 814, 2006.

11. (**FP**) **Th. C. Stamatatos**, A. K. Boudalis, Y. Sanakis, C. P. Raptopoulou, "Reactivity and structural and physical studies of tetranuclear iron(III) clusters containing the $[Fe_4(\mu_3\text{-}O)_2]^{8+}$ "butterfly" core: An Fe^{III}_4 cluster with an S = 1 ground state", *Inorganic Chemistry*, **45**, 7372, 2006.

10. (**C**) **Th. C. Stamatatos**, K. A. Abboud, W. Wernsdorfer, G. Christou, "High-nuclearity, high-symmetry, high-spin molecules: A mixed-valence Mn_{10} cage possessing rare T symmetry and an S = 22 ground state", *Angewandte Chemie, International Edition*, **45**, 4134, 2006.

9. (**N**) **Th. C. Stamatatos**, E. Diamantopoulou, A. Tasiopoulos, V. Psycharis, R. Vicente, C. P. Raptopoulou, V. Nastopoulos, A. Escuer, S. P. Perlepes, "Enneanuclear Ni(II) complexes from the use of the flexible ligand 2-pyridinealdoxime: The nature of the inorganic anion does not affect the chemical and structural identity of the cationic cluster", *Inorganica Chimica Acta*, **359**, 4149, 2006.

8. (**FP**) **Th. C. Stamatatos**, D. Foguet-Albiol, S. P. Perlepes, C. P. Raptopoulou, A. Terzis, C. S. Patrickios, G. Christou, A. J. Tasiopoulos, "4-(Hydroxymethyl)pyridine and pyrimidine in manganese benzoate chemistry: Preparation and characterization of hexanuclear clusters featuring the $\{Mn^{II}_4Mn^{III}_2(\mu_4\text{-}O)_2\}^{10+}$ core", *Polyhedron*, **25**, 1737, 2006.

7. (**R**) C. J. Milios, **Th. C. Stamatatos**, S. P. Perlepes, "The coordination chemistry of pyridyl oximes", *Polyhedron*, **25**, 134, 2006.

6. (**C**) **Th. C. Stamatatos**, D. Foguet-Albiol, C. C. Stoumpos, C. P. Raptopoulou, A. Terzis, W. Wernsdorfer, S. P. Perlepes, G. Christou, "Initial example of a triangular single-molecule magnet from ligand-induced structural distortion of a $[Mn^{III}_3O]^{7+}$ complex", *Journal of the American Chemical Society*, **127**, 15380, 2005.

5. (**C**) **Th. C. Stamatatos**, S. Dionyssopoulou, G. Efthymiou, P. Kyritsis, C. P. Raptopoulou, A. Terzis, R. Vicente, A. Escuer, S. P. Perlepes, "The first cobalt metallacrowns: Preparation and characterization of mixed-valence cobalt(II/III), inverse 12-metallacrown-4 complexes", *Inorganic Chemistry*, **44**, 3374, 2005.

4. (**C**) **Th. C. Stamatatos**, A. Bell, P. Cooper, A. Terzis, C. P. Raptopoulou, S. L. Heath, R. E. P. Winpenny, S. P. Perlepes, "Old ligands with new coordination chemistry: Linear trinuclear mixed oxidation state cobalt(III/II/III) complexes and their mononuclear "ligand" cobalt(III) complexes featuring 2-pyridyloximates", *Inorganic Chemistry Communications*, **8**, 533, 2005.
3. (**FP**) K. Skorda, **Th. C. Stamatatos**, A. P. Vafiadis, A. T. Lithoxoidou, A. Terzis, S. P. Perlepes, J. Mrozinski, C. P. Raptopoulou, J. C. Plakatouras, E. G. Bakalbassis, "Copper(II) chloride/1-methylbenzotriazole chemistry: Influence of various synthetic parameters on the product identity, structural and magnetic characterization, and quantum-chemical studies", *Inorganica Chimica Acta*, **358**, 565, 2005.
2. (**FP**) C. J. Milios, **Th. C. Stamatatos**, P. Kyritsis, A. Terzis, C. P. Raptopoulou, R. Vicente, A. Escuer, S. P. Perlepes, "Phenyl 2-pyridyl ketone and its oxime in manganese carboxylate chemistry: Synthesis, characterization, X-ray studies and magnetic properties of mononuclear, trinuclear and octanuclear complexes", *European Journal of Inorganic Chemistry*, 2885, 2004.
1. (**FP**) **Th. C. Stamatatos**, E. Katsoulakou, V. Nastopoulos, C. P. Raptopoulou, E. Manessi-Zoupa, S. P. Perlepes, "Cadmium carboxylate chemistry: Preparation, crystal structure, thermal study and spectroscopic characterization of the one-dimensional polymer $[Cd(O_2CMe)(O_2CPh)(H_2O)_2]_n$", *Zeitschrift für Naturforschung b*, **58**, 1045, 2003.

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Prof. Kim R. Dunbar,
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Prof. Jinkui Tang,
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Prof. Eva Rentschler,
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Prof. Melanie Pilkington,
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Prof. Myriam P. Sarachik,
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Dr. Luis Cunha-Silva,
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Prof. Liviu Chibotaru,
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Prof. Eugenio Coronado,
Instituto de Ciencia Molecular – ICMol, Universidad de Valencia, Valencia, Spain.

Dr. Aris Bakandritsos, Dr. Katerina Polakova and Dr. Ondrej Malina,
Regional Centre of Advanced Technologies and Materials, Olomouc, Czech Republic.

Prof. George Kostakis and Prof. Richard Layfield,
Department of Chemistry, School of Life Sciences, University of Sussex, UK.

Dr. George A. Voyiatzis and Dr. Theophilos Ioannidis,
Institute of Chemical Engineering Sciences (ICE-HT), Foundation for Research and Technology – Hellas (FORTH).

Reviewer in Peer-review International Journals (alphabetical order):

1. ACS Applied Materials & Interfaces (American Chemical Society)
2. ACS Omega (American Chemical Society)
3. ACS Nano (American Chemical Society)
4. Advanced Functional Materials (Wiley)
5. Advanced Science (Wiley)
6. African Journal of Pure and Applied Chemistry (Academic Journals)
7. American Chemical Science (Science Domain International)
8. Angewandte Chemie International Edition (Wiley)
9. Applied Organometallic Chemistry (Wiley)
10. Arabian Journal of Chemistry (Elsevier)
11. Australian Journal of Chemistry (CSIRO Publishing)
12. Bioinorganic Chemistry and Applications (Hindawi Publishing Corp.)
13. Biomolecules (MDPI)

14. Canadian Journal of Chemistry (Canadian Science Publishing)
15. Catalysis Today (Elsevier)
16. CCS Chemistry (Chinese Chemical Society Publishing)
17. Cell Reports Physical Science (Elsevier)
18. ChemCatChem (Wiley)
19. ChemElectroChem (Wiley)
20. ChemSusChem (Wiley)
21. ChemPlusChem (Wiley)
22. Chemical Communications (Royal Society of Chemistry)
23. Chemical Papers (Springer)
24. Chemistry of Materials (American Chemical Society)
25. ChemistrySelect (Wiley)
26. Coordination Chemistry Reviews (Elsevier)
27. Crystal Growth & Design (American Chemical Society)
28. Crystals (MDPI: Multidisciplinary Digital Publishing Institute)
29. CrystEngComm (Royal Society of Chemistry)
30. Current Inorganic Chemistry (Bentham Science Publishers)
31. Dalton Transactions (Royal Society of Chemistry)
32. E-journal of Chemistry (Associate Editor; Hindawi Publishing Corp.)
33. Energies (MDPI)
34. European Journal of Inorganic Chemistry (Wiley)
35. European Journal of Medicinal Chemistry (Elsevier)
36. Frontiers in Chemistry ***(Member of the Editorial Board)***
37. Fuel (Elsevier)
38. Fuel Processing Technology (Elsevier)
39. Industrial & Engineering Chemistry Research (American Chemical Society)
40. Inorganic Chemistry (American Chemical Society)
41. Inorganic Chemistry Communications (Elsevier)
42. Inorganic Chemistry Frontiers (Royal Society of Chemistry)
43. Inorganica Chimica Acta ***(Elsevier; Member of the Editorial Board)***
44. International Journal of Molecular Sciences (MDPI)
45. International Journal of Quantum Chemistry (Wiley)

46. International Research Journal of Pure and Applied Chemistry (Science Domain International)
47. Journal of Biomaterials Science: Polymer Edition (Taylor & Francis)
48. Journal of Catalysis (Elsevier)
49. Journal of Computational Chemistry (Wiley)
50. Journal of Coordination Chemistry (Taylor & Francis)
51. Journal of Inorganic and Organometallic Polymers and Material (Springer)
52. Journal of Inorganic Biochemistry (Elsevier)
53. Journal of Materials Chemistry C (Royal Society of Chemistry)
54. Journal of Molecular Structure (Elsevier)
55. Journal of Surfaces and Interfaces of Materials (American Scientific Publishers)
56. Journal of the American Chemical Society (American Chemical Society)
57. Letters in Organic Chemistry (Bentham Science Publishers)
58. Magnetism and Magnetic Materials Research ***(Hapres; Member of the Editorial Board)***
59. Magnetochemistry ***(MDPI; Member of the Editorial Board)***
60. Materials Chemistry and Physics (Elsevier)
61. Materials Science & Engineering C (Elsevier)
62. Microporous & Mesoporous Materials (Elsevier)
63. Molbank (MDPI: Multidisciplinary Digital Publishing Institute)
64. Molecules (MDPI: Multidisciplinary Digital Publishing Institute)
65. National Science Review (Oxford Academic)
66. Nature Communications
67. New Journal of Chemistry (Royal Society of Chemistry)
68. Polyhedron (Elsevier)
69. Polymers (MDPI: Multidisciplinary Digital Publishing Institute)
70. Research on Chemical Intermediates (Springer)
71. RSC Advances (Royal Society of Chemistry)
72. Science China Chemistry (Springer)
73. Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy (Elsevier)
74. Structural Chemistry (Springer)
75. The Chemical Record (Wiley)
76. Zeitschrift für Anorganische und Allgemeine Chemie (Wiley)

Reviewer for Organizations, Foundations and Societies:

1. Czech Science Foundation (Czech Republic)
2. Ministry of Business, Innovation and Employment (New Zealand)
3. The Netherlands Organization for Scientific Research (NWO)
4. Natural Sciences and Engineering Research Council of Canada (NSERC)
5. Chilean National Science and Technology Commission (CONICYT - Chile)
6. National Center of Science and Technology Evaluation (NCSTE - Kazakhstan)
7. National Science Center (Poland)
8. Greek General Secretariat for Research and Technology (EYDE-ETAK, Greece)
9. University of Cyprus
10. American Chemical Society
11. Royal Society of Chemistry
12. Elsevier Co.
13. John Wiley & Sons

Academic and Professional Development of Former Graduate (PhD and MSc) Students and Post-Doctoral Fellows (2010-to date):

- **Dimitris I. Alexandropoulos, PhD** [post-doctoral fellow at (a) Texas A&M University, USA, (b) University of Oxford, UK, (c) University of Cyprus, (d) Assistant Professor of Inorganic Chemistry, Chemistry Department, University of Patras, Greece].
- **Eleni C. Mazarakioti, PhD** [post-doctoral fellow at the Instituto de Ciencia Molecular (ICMol), Universidad de Valencia, Spain].
- **Despoina Dermitzaki, PhD** [Post-doctoral fellow at the NCSR "Demokritos", Greece].
- **Angeliki Athanasopoulou, PhD** [PhD at the University of Mainz (Johannes Gutenberg-Universität), Germany].
- **Alysha Alaimo, PhD** [Strategic Projects Coordinator position for the Niagara Region, Canada].
- **Panagiota Perlepe, PhD** [PhD at the University of Bordeaux, France].
- **Evangelia Koumousi, PhD** [PhD at the University of Bordeaux, France].
- **Paul Richardson, MSc** [PhD at the University of Ottawa, Canada].
- **Gavriilia Papanikolaou, MSc** [R&D Analyst at DEMO Pharmaceuticals S.A., Greece].
- **Ourania Ioannidou, MSc** [Clinical Research Associate (CRA) at IQVIA, Greece].
- **Georgios Karotsis, PhD** [Faculty member of the Department of Chemistry, The University of

Utah Asia Campus, Incheon, Korea].

- **Luca Carrella, PhD** [Research and Teaching Assistant at the Chemistry Department of the University of Mainz, Germany].
- **Vasilios Ntouros, PhD** [Research Associate at the Brite Solar company, Scientific Park, Patras, Greece].
- **Konstantinos Pantelis, PhD** [post-doctoral fellow at University of Cyprus].
- **Konstantinos Sotirakopoulos** [PhD at the University of Barcelona, Spain].
- **Dimitrios Fragkis** [PhD at the National and Kapodistrian University of Athens, Greece].

Administrative Work - Participation in Academic Committees - Organization (2012-2019):

1. Committee member on evaluating the applications for the Ontario Graduate Scholarship awards.
2. Member of the search committee for the new hires in Chemistry Department (Brock University).
3. Member of the committee for the strategic development plan of the Chemistry Department within the Faculty of Mathematics and Science (Brock University).

Administrative Work - Participation in Academic Committees - Organization (2019-2024):

1. Member of the examination committee of several PhD and MSc graduate thesis students in Greece (University of Patras, Aristotle University of Thessaloniki), Canada (Brock University), and Spain (as the external examiner of Dr. Julia Mayans' PhD thesis; currently a faculty member of the Chemistry Department of University of Barcelona, Spain).
2. Member of the Quality Assurance Unit (MODIP).
3. Member of the Internal Evaluation Team (OM.E.A) of the Chemistry Department, University of Patras.
4. Member of the Steering Committee of the "MSc in Chemistry" postgraduate program & Coordinator of the Discipline "Chemistry and Technology of Materials with applications in Industry, Energy and Environment".
5. Head of the Steering Committee of the "PhD in Chemistry" postgraduate program.
6. Member of the Research & Management Committee of the Special Account for Research Funds (MODY-ELKE) of the University of Patras.
7. In charge of the Scientific Research Equipment of the Chemistry Department (tendering,

receiving, testing, filing the paperwork).

8. Director of the Glass Shop (Horizontal Structure) of the University of Patras.
9. Participant member in the Action "The schools go to the University": Demonstrator of General and Inorganic Chemistry Experiments to high-school students for understanding and entertainment purposes (2019 & 2022).
10. Academic Advisor of 1st-year Undergraduate students.
11. Head Member of the Evaluation/Recommendation/Hiring Committee for new Academic Faculty Positions [Completed Positions: Synthetic Inorganic Chemistry (hired: Dr. Nikolia Lalioti), Inorganic Chemistry – Computational Chemistry (hired: Dr. Athanassios Chrissanthopoulos), Molecular Inorganic Chemistry (hired: Dr. Dimitris I. Alexandropoulos), Physicochemical Characterization Methods on Inorganic Compounds (hired: Dr. Zoi Lada)].
12. Member of the Special Inter-Institutional Committee of the Graduate Program in "Biological Inorganic Chemistry" (leaded by University of Ioannina, Greece).
13. Member of the Evaluation Committee of the School of Natural Sciences (established by the Deanery of Natural Science of the University of Patras).
14. Representative member of the University of Patras in the attempt to facilitate "The Participation of Greece in the European Synchrotron Radiation Facility (ESRF)" – member of the team submitted a proposal to the Greek Government.
15. Co-organizer of the "*ESRF Information Day: The Use of Synchrotron Radiation in Science*", 06/05/2022, Conference and Cultural Center, University of Patras, Patras, Greece.
16. Organizer of the "*1st Panhellenic Workshop on Inorganic Chemistry*", 19-21/11/2021, Conference and Cultural Center, University of Patras, Patras, Greece.
    https://gr-inorgchem.upatras.gr/
17. Member of the Advisory Committee of the "*1st Greek Summer School on Synchrotron Radiation: Properties and Applications*", Center of Interdisciplinary Research and Innovation, Thessaloniki, Greece, 05-08/09/2022.
    http://xafslab.physics.auth.gr/srss22.html
18. Guest Editor of the Dalton Transactions (RSC) Themed Collection "Inorganic Chemistry in Greece", 2021-2022.
    https://pubs.rsc.org/en/journals/articlecollectionlanding?sercode=dt&themeid=9014b133-f8e2-46f3-92c8-96b39be41c46
19. Guest Editor of the Polyhedron Special Issue "Manganese: A Tribute to Chemical Diversity",

2021. https://www.sciencedirect.com/journal/polyhedron/special-issue/10D7FM3FTTQ

20. Guest Editor of the Inorganica Chimica Acta Special Issue "Chemistry and Properties of Heterometallic 3d/4f-Metal Complexes", 2021. https://www.sciencedirect.com/journal/inorganica-chimica-acta/special-issue/10Q9W60TJ8D
21. Chair of the Search Committee for the Program: "Acquiring Academic Teaching Experience for Young Scientists - PhD Holders"; Chemistry Department, University of Patras; academic years: 2019-to date.
22. Member of the General Assembly of the Hellenic Foundation for Research and Innovation as representative of the Foundation for Research and Technology-Hellas, 2024.
23. Member of the University (of Patras)-City/Region Implementation Committee, 2024.

Authorship Activity – Scopus & Web of Science (October 2024)

Citations	6963
Heterocitations	4907
h-index	47