Theocharis C. Stamatatos *Curriculum Vitae*

Personal Details:

Name	:	**Theocharis C. Stamatatos**
Contact Address	:	Department of Chemistry, University of Patras, Patras 26504, Patras, Greece
Tel.	:	(+30)2610996730 (+30)6984013520
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)**

@Chemistry Department, Brock University, Canada

a) Advanced Coordination Chemistry (4th year course).

b) Biological Inorganic Chemistry (4th year course).

c) Advanced Methods for Materials Characterization (graduate course).

d) Organometallics in Organic Synthesis (3rd year course).

e) Transition Metal Chemistry (3rd year course).

f) Direct Readings in Chemistry (graduate course).

g) Chemical Principles and Properties (1st year course).

h) Principles of Inorganic Chemistry (2nd year course).

@Chemistry Department, University of Patras, Greece

i) Materials for Energy Applications (graduate course).

j) Inorganic Chemistry II (theory and *laboratory course)* (2nd year course).

k) Experimental Inorganic Chemistry (laboratory course) (2nd year course).

l) Synthesis and Properties of Molecular Inorganic Materials (graduate course).

m) Chemistry of Inorganic and Catalytic Materials (graduate course).

n) Magnetic and Electrical Properties of Inorganic Materials (graduate course).

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

@ Hellenic Open University, Greece

p) General and Inorganic Chemistry (FYE-12).

- ***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. Chemistry Department, Brock University, Canada

#6: Ammarah Soofi, Paul Richardson, Jacob Sitko, Marco D'Orante, Anne Sabrina Worrell, Lucas Krzywdzinski

2. Chemistry Department, University of Patras, Greece

#61: Dimitris I. Alexandropoulos, Evangelia S. Koumousi, Theodora Theodosopoulou, Stavroula Katsayani, Haroula Savvidi, Anastasia Rotzamani, Ourania Mpistola, Ioanna Mantaloufa, Dimitris Gougiannos, Andrea Lazaridou, Christos Tsaltas, Sofia-Ourania Argiti, Miltiadis Giannoutsos,

Euaggelia Mitropoulou, Ioanna Rouvali, Dimitris Valsamis, Konstantina H. Baka, Dimitris G. Fragkis, Chrysovalantis Papadopoulos, Athina Dimitriadi, Maria Zaradouka, Anastasios Mpilias, Konstantinos Sotirakopoulos, Marianthi Pegiou, Ioannis Kapralos, Georgia Vervenioti, Olga Dioti, Pantelina Michail, Savina Christodoulou, Ektoras-Vasilios Apostolou, Alexandros Mpampounis, Penelope-Konstantina Mpalaoura, Dimitris Kyriakou, Ekaterini Toli, Konstantinos Anagnostou, Charalampia-Eleni Iliopoulou, Vagia-Dafni Karamanli, Marianna Genethliou, Christina Spatoula, Rafaella Athanasiou, Iliana Vlahaki, Michaela Koursarou, Ioanna Papageorgiou, Dimitrios Mpoumpous, Nefeli Bogdanopoulou, Ioannis Athanasoulias, Konstantina Konstantinidi, Lelouda Katsifa, Georgios Mavros, Andreas Paraskevopoulos, Apostolis Pomonis, Stylianos Karpouzis, Maria Tsaknia, Evgenia Tzavella, Nikolaos Chiras, Evelina Stilianidou, Sotirios Sotiropoulos, Dimitra Mparmpalia, Alexandra Sagieg, Giannis Lataris, Manos Ladianos, Konstantinos Christoforidis

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. Maria Zaradouka (M.Sc. defended on December 2024)
    (Chemistry Department, University of Patras, Greece)
18. Georgia Vervenioti (M.Sc. defended on March 2025)
    (Chemistry Department, University of Patras, Greece)
19. Sofia-Ourania Argiti (M.Sc. defended on July 2025)
    (Chemistry Department, University of Patras, Greece)
20. Christos Antonopoulos (M.Sc. defended on July 2025)
    (Chemistry Department, University of Patras, Greece)
21. Dimitrios Karaoulanis (M.Sc. defended on June 2025)
    (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)
11. Ioannis I. Alexandropoulos (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 €

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 metallic nanoparticles.
- *Synthesis* of oximato- and Schiff-base organic ligands.
- *Synthesis* of chiral and macrocyclic organic ligands.
- *Synthesis* of hybrid molecular/nanoscale materials.
- *Solvothermal, Hydrothermal* and *Microwave* synthesis.
- *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).
- *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
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- "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.
- "Prix Galien Greece",
  Megaron the Athens Concert Hall, Athens, April 24, 2025.

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.

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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,
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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**,
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68. K. I. ALEXOPOULOU, C. G. EFTHYMIOU, C. PAPATRIANTAFYLLOPOULOU, **Th. C.**

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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",

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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",

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"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.

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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",

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"The Chemistry of Polynuclear Ni(II) Complexes: Tetranuclear Clusters from the Employment of Pyridine-2,6-dimethanol and Carboxylate Ions as Ligands",

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"Introducing 2-Pyrrolyl Oximes in Transition Metal Cluster Chemistry: Synthesis, Structure and Magnetochemical Characterization of Fe_6, Fe_{10} and Fe_{12} Complexes",

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"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.

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"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,
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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",
46th Inorganic Discussion Weekend, York University, Toronto, Ontario, Canada, November 8-10, 2013, p. 30 in the Book of Abstracts. Oral presentation by D.I.A.
82. A. ALAIMO, L. CUNHA-SILVA and **Th. C. STAMATATOS**,
"Towards Models of the Oxygen-Evolving Complex (OEC) of Photosystem II from the Use of Optically-Active Ligands: $Mn_{14}Ca$ Clusters of Relevance to Low Oxidation States of the OEC",
46th Inorganic Discussion Weekend, York University, Toronto, Ontario, Canada, November 8-10, 2013, p. 60 in the Book of Abstracts. Poster Presentation.
83. A. ATHANASOPOULOU, C. P. RAPTOPOULOU, A. ESCUER and **Th. C. STAMATATOS**,
"A New Schiff Base Ligand in Metal Cluster Chemistry: Synthesis and Characterization of Ni_4, Ni_8 and Ni_{11} Complexes",
46th Inorganic Discussion Weekend, York University, Toronto, Ontario, Canada, November 8-10, 2013, p. 62 in the Book of Abstracts. Poster Presentation.
84. D. P. GIANNOPOULOS, W. WERNSDORFER, G. CHRISTOU and **Th. C. STAMATATOS**,

"Employment of 2-Pyrrolyloximes as Bridging Ligands in Transition Metal Cluster Chemistry", *46th Inorganic Discussion Weekend*, York University, Toronto, Ontario, Canada, November 8-10, 2013, p. 63 in the Book of Abstracts. Poster Presentation.

85. E. C. MAZARAKIOTI, L. CUNHA-SILVA and **Th. C. STAMATATOS**, "Heptanuclear Lanthanide(III) Complexes from the Use of a New Chiral Schiff-base Ligand", *46th Inorganic Discussion Weekend*, York University, Toronto, Ontario, Canada, November 8-10, 2013, p. 64 in the Book of Abstracts. Poster Presentation.
86. J. SITKO, L. CUNHA-SILVA and **Th. C. STAMATATOS**, "Access to Optically-Effective Molecular Magnetic Materials via the Employment of Quinoline-based Oximate Ligands and Fluorescence Carboxylate Groups", *46th Inorganic Discussion Weekend*, York University, Toronto, Ontario, Canada, November 8-10, 2013, p. 65 in the Book of Abstracts. Poster Presentation.
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 $\{Cu^{II}_xLn^{III}_y\}$ 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",

6th North America - Greece - Cyprus Workshop on Paramagnetic Materials, Athens, Greece, June 3-6, 2015, p. 66, in the Book of Abstracts. Oral presentation by C.P.

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

"New Classes of Ferromagnetic Materials with Exclusively End-on Azido Bridges: From Single- to 2D-Molecular Magnets",

48th Inorganic Discussion Weekend, Royal Military College, Kingston, Ontario, Canada, November 6-8, 2015, p. 35 in the Book of Abstracts. Poster presentation.

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

"'All Three-in-One': Ferromagnetic Interactions, Single-Molecule Magnetism and Magnetocaloric Properties in a New Family of $[Cu_4Ln]$ Clusters",

48th Inorganic Discussion Weekend, Royal Military College, Kingston, Ontario, Canada, November 6-8, 2015, p. 16 in the Book of Abstracts. Oral presentation by P.R.

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

"Towards Modeling the Active Site of Photosystem II: New Structural Motifs in Mn/Ca Chemistry from the use of Salicylhydroxime",

48th Inorganic Discussion Weekend, Royal Military College, Kingston, Ontario, Canada, November 6-8, 2015, p. 32 in the Book of Abstracts. Oral presentation by A.A.

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

"Initial Employment of 3-Hydroxy-2-Naphthohydroxamic Acid in Mn and Mn/Dy Cluster Chemistry",

48th Inorganic Discussion Weekend, Royal Military College, Kingston, Ontario, Canada, November 6-8, 2015, p. 40 in the Book of Abstracts. Poster presentation.

96. E. C. MAZARAKIOTI, K. M. POOLE, L. CUNHA-SILVA, G. CHRISTOU and **Th. C. STAMATATOS**,
"Stereochemical Reactivity of the Schiff Base Ligand N-salicylidene-2-aminocyclohexanol in Lanthanide Chemistry",
48th Inorganic Discussion Weekend, Royal Military College, Kingston, Ontario, Canada, November 6-8, 2015, p. 48 in the Book of Abstracts. Poster presentation.

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,
"High Nuclearity Clusters from the Use of Diols in Mn Chemistry",
6th Workshop on Current Trends in Molecular Nanoscale Magnetism, Pylos, Greece, October 9-13, 2016, one page in the Book of Abstracts. Oral presentation by A.J.T.

99. P. ABBASI, A. PHAM, D. CUTLER, **Th. C. STAMATATOS** and M. PILKINGTON,
"Ligand Design for Chiral Single Molecule Magnets",
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**,
"First Use of Acenaphthenequinone Dioxime as Bridging/Chelating Ligand in Heterometallic Mn/Ln Cluster Chemistry: Ferromagnetic Complexes and Single-Molecule Magnets",

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

102. E. C. MAZARAKIOTI, P. KAUR, L. CUNHA-SILVA, W. WERNSDORFER, J. TANG and **Th. C. STAMATATOS**,
"The Effect of β-Diketones on the Structural and Magnetic Properties of Dy^{III} Complexes",
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103. A. ALAIMO, L. CUNHA-SILVA, S. J. TEAT, G. CHRISTOU and **Th. C. STAMATATOS**,
"Towards Modeling the Active Site of Photosystem II: New Structural Motifs in Mn/Ca Chemistry from the Employment of Hydroxamic Acids",
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104. M. PILKINGTON, A. A. ATHANASOPOULOU, P. ABBASI, S. J. TEAT, W. WERNSDORFER, A. ESCUER and **Th. C. STAMATATOS**,
"Exploring the Coordination Chemistry of mpmH as a New Ligand in 3*d*-Cluster Chemistry",
100th Canadian Chemistry Conference and Exhibition, Toronto, Ontario, Canada, May 28-June 1, 2017, one page in the Book of Abstracts. Oral presentation by M.P.
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)",
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107. A. ALAIMO, C. LAMPROPOULOS, D. I. ALEXANDROPOULOS and **Th. C. STAMATATOS**,
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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",
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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",
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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",
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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",
10th 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.

157. K. H. BAKA, J. TANG, and **Th. C. STAMATATOS**,
"Expanding the Lanthanide/Pnictogen Heterometallic Chemistry: New $\{Sb_2Dy_3\}$ and $\{Sb_7Dy_4\}$ Single-Molecule Magnets",
11th North America – Greece – Cyprus Conference on Paramagnetic Materials, Syros, Greece, May 4-9, 2025, p. 20 in the Book of Abstracts. Oral presentation by K.H.B.

158. E. N. S. BOGDANOPOULOU, D. I. ALEXANDROPOULOS, K. M. POOLE, G. CHRISTOU, Christou, and **Th. C. STAMATATOS**,
"Slow Magnetization Relaxation in Families of Triangular $\{Co^{III}_2Ln^{III}\}$ and Butterfly-like $\{Co^{III}_2Ln^{III}_2\}$ Clusters",
11th North America – Greece – Cyprus Conference on Paramagnetic Materials, Syros, Greece, May 4-9, 2025, p. 22 in the Book of Abstracts. Oral presentation by E.N.S.B.

159. I. S. ATHANASOULIAS, D. I. ALEXANDROPOULOS, K. N. PANTELIS, and **Th. C. STAMATATOS**,
"Carboxylate Effect on the Structural Identity of Ln^{III}/2-hydroxy-4-methoxybenzophenone Clusters",
11th North America – Greece – Cyprus Conference on Paramagnetic Materials, Syros, Greece, May 4-9, 2025, p. 18 in the Book of Abstracts. Oral presentation by I.S.A.

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",
10th 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.
34. K. H. BAKA, E. S. KOUMOUSI, C. P. RAPTOPOULOU, V. PSYCHARIS, E. MORENO-PINEDA, W. WERNSDORFER, G. CHRISTOU, and **Th. C. STAMATATOS**,
"Rekindling the interest in cluster-based SMMs: Large magnetic anisotropy and SMM properties in a $\{Mn_9\}$ double-decker metallacrown with $S = 5/2$",
11th North America – Greece – Cyprus Conference on Paramagnetic Materials, Syros, Greece, May 4-9, 2025, p. 70 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.
34. **Th. C. STAMATATOS**,
"Linus Pauling: The Nature of the Chemical Bond",
Arsakeio Lyceum of Patras, Patras, Greece, March 14th, 2025.
35. **Th. C. STAMATATOS**,
"High-Performance Lanthanide Single-Molecule Magnets with D_{5h} and D_{6h} Symmetries",
Sapienza Universita do Roma, Rome, Italy, March 20th, 2025.

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.

183. (**FP**) **K. N. Pantelis**, **K. H. Baka**, L. Cunha-Silva, J. Tang, D. I. Alexandropoulos, Th. C. Stamatatos, "Molecular Platform of Isoskeletal $\{M^{II}_2Ln^{III}_4\}$ Clusters for the Study of the M^{II} (M = Cu, Zn) Effect on the Magnetic Properties", *Crystal Growth & Design*, **25**, 4553-4564, 2025.

182. (**FP**) G. Delle Monache, D. J. Cutler, H. Bakhshi, D. Alexandropoulos, R. A. S. Ferreira, L. D. Carlos, **Th. C. Stamatatos**, J. M. Rawson, M. Pilkington, "Switching on SMM behaviour with Cu(II) ions: Two families of 3d-/4f- butterflies with 2,6-bis(1-hydroxyethyl)pyridine", *Dalton Transactions*, submitted.

181. (**FP**) **K. H. Baka**, L. Cunha-Silva, C. P. Raptopoulou, V. Psycharis, D. Papaioannou, M. M. Turnbull, Z. G. Lada, S. P. Perlepes, **Th. C. Stamatatos**, "Copper(II)-Promoted Reactions of α-Pyridoin Oxime: A Dodecanuclear Cluster and a 2D Coordination Polymer", *Magnetochemistry*, **11**, 35, 2025.

180. (**FP**) **A. S. Armenis**, **G. P. Bakali**, S. Paul, K. N. Pantelis, L. Cunha-Silva, J. Tang, D. I. Alexandropoulos, W. Wernsdorfer, E. Moreno-Pineda, **Th. C. Stamatatos**, "Deciphering the Magnetostructural Criteria in Dy^{III} and Ho^{III} Macrocycle-Based Single-Molecule Magnets with Pseudo-D_{5h} Symmetry: A Combined Single-Crystal Hysteresis and Theoretical Study", *Inorganic Chemistry*, **64**, 11476–11489, 2025.

179. (**FP**) **A. S. Armenis**, A. Mondal, S. R. Giblin, D. I. Alexandropoulos, J. Tang, R. A. Layfield, **Th. C. Stamatatos**, "'Kick-in the head': High-performance and air-stable mononuclear Dy^{III} single-molecule magnets with *pseudo*-D_{6h} symmetry from an [1+1] Schiff-base macrocycle approach", *Inorganic Chemistry Frontiers*, **12**, 1214-1224, 2025.

178. (**FP**) **K. H. Baka**, S. Paul, D. Liu, W. Wernsdorfer, J. Tang, L. F. Chibotaru, **Th. C. Stamatatos**, "Unveiling the Werner-type cluster chemistry of heterometallic 4f/post-transition metals: A unique $\{Dy_3Bi_8\}$ complex exhibiting quantum tunneling steps in the hysteresis loops, and its 1-D congener", *Inorganic Chemistry*, **4**, 1962–1974, 2025.

177. (**FP**) **K. N. Pantelis**, C. P. Raptopoulou, V. Psycharis, J. Tang, **Th. C. Stamatatos**, "Square planar Pd(II)/oximate complexes as 'metalloligands' for the directional assembly of 4f-metal ions: A new family of $\{Ln_2Pd\}$ (Ln = lanthanide) clusters exhibiting slow magnetization relaxation", *Dalton Transactions*, **54**, 977-988, 2025.
HOT article: *https://click.rsc.org/rsps/m/qBAxxtznJIxw6MSK_W8o-*

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176. (**FP**) **A. A. Athanasopoulou**, P. Abbasi, **D. I. Alexandropoulos**, J. J. Hayward, C. M. Beavers, S. J. Teat, W. Wernsdorfer, J. Mayans, A. Escuer, M. Pilkington, **Th. C. Stamatatos**, "A nanosized $\{Ni^{II}_{18}\}$ cluster with a 'flying saucer' topology exhibiting slow relaxation of magnetisation phenomena at both 15 K and 1.3 K", *Chemistry – A European Journal*, e2024034622024, 2024.

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*, **60**, 12730-12733, 2024.

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*, **24**, 9243-9253, 2024.

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*, e202400385, 2024.

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.

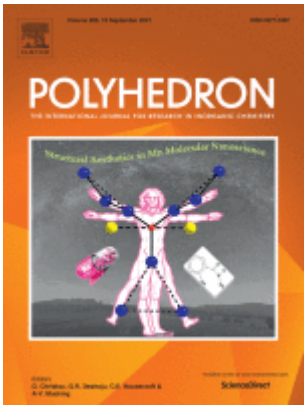
Pilkington, "Synthesis, structural, magnetic and computational studies of a one-dimensional ferromagnetic Cu(II) chain assembled from a new Schiff-base ligand", *Chemistry*, **5**, 85, 2023.

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.

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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.

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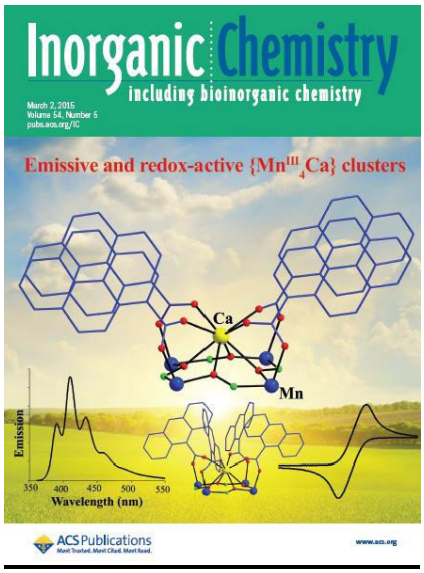

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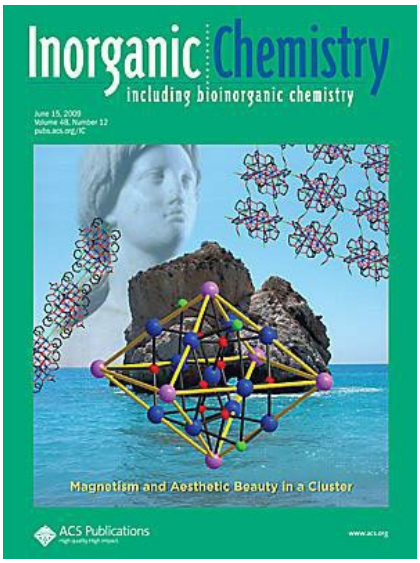

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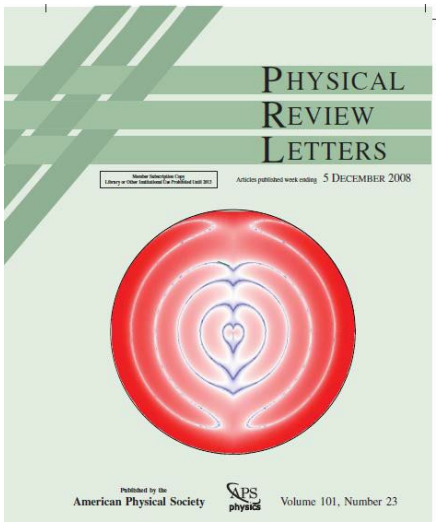

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Prof. Richard E. P. Winpenny, Prof. Michael Baker, Prof. Floriana Tuna,
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Prof. Myriam P. Sarachik,
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Dr. Luis Cunha-Silva,
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Prof. Liviu Chibotaru,
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Prof. Eugenio Coronado,
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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 - An Asian Journal (Wiley)
25. Chemistry - A European Journal (Wiley)
26. Chemistry of Materials (American Chemical Society)
27. ChemistrySelect (Wiley)
28. Coordination Chemistry Reviews (Elsevier)
29. Crystal Growth & Design (American Chemical Society)
30. Crystals (MDPI: Multidisciplinary Digital Publishing Institute)
31. CrystEngComm (Royal Society of Chemistry)
32. Current Inorganic Chemistry (Bentham Science Publishers)
33. Dalton Transactions (Royal Society of Chemistry)
34. Discover Materials (Springer Nature)
35. E-journal of Chemistry (Associate Editor; Hindawi Publishing Corp.)
36. Energies (MDPI)
37. European Journal of Inorganic Chemistry ***(Wiley; Member of the Editorial Advisory Board)***
38. European Journal of Medicinal Chemistry (Elsevier)
39. Frontiers in Chemistry ***(Member of the Editorial Board)***
40. Fuel (Elsevier)
41. Fuel Processing Technology (Elsevier)
42. Industrial & Engineering Chemistry Research (American Chemical Society)
43. Inorganic Chemistry (American Chemical Society)
44. Inorganic Chemistry Communications (Elsevier)
45. Inorganic Chemistry Frontiers (Royal Society of Chemistry)
46. Inorganica Chimica Acta ***(Elsevier; Member of the Editorial Board)***
47. International Journal of Biological Macromolecules (Elsevier)
48. International Journal of Molecular Sciences (MDPI)
49. International Journal of Quantum Chemistry (Wiley)
50. International Research Journal of Pure and Applied Chemistry (Science Domain International)
51. Journal of Biomaterials Science: Polymer Edition (Taylor & Francis)
52. Journal of Catalysis (Elsevier)
53. Journal of Computational Chemistry (Wiley)

54. Journal of Coordination Chemistry (Taylor & Francis)
55. Journal of Inorganic and Organometallic Polymers and Material (Springer)
56. Journal of Inorganic Biochemistry (Elsevier)
57. Journal of Materials Chemistry C (Royal Society of Chemistry)
58. Journal of Molecular Structure (Elsevier)
59. Journal of Rare Earths (Elsevier)
60. Journal of Surfaces and Interfaces of Materials (American Scientific Publishers)
61. Journal of the American Chemical Society (American Chemical Society)
62. Letters in Organic Chemistry (Bentham Science Publishers)
63. Magnetism and Magnetic Materials Research (Hapres)
64. Magnetochemistry ***(MDPI; Member of the Editorial Board)***
65. Materials Chemistry and Physics (Elsevier)
66. Materials Science & Engineering C (Elsevier)
67. Microporous & Mesoporous Materials (Elsevier)
68. Molbank (MDPI: Multidisciplinary Digital Publishing Institute)
69. Molecules (MDPI: Multidisciplinary Digital Publishing Institute)
70. National Science Review (Oxford Academic)
71. Nature Communications
72. New Journal of Chemistry (Royal Society of Chemistry)
73. Polyhedron (Elsevier)
74. Polymers (MDPI: Multidisciplinary Digital Publishing Institute)
75. Research on Chemical Intermediates (Springer)
76. RSC Advances (Royal Society of Chemistry)
77. Science China Chemistry (Springer)
78. Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy (Elsevier)
79. Structural Chemistry (Springer)
80. The Chemical Record (Wiley)
81. 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. French National Research Agency (France)
9. UK Research and Innovation (UK)
10. Greek General Secretariat for Research and Technology (EYDE-ETAK, Greece)
11. University of Cyprus
12. American Chemical Society
13. Royal Society of Chemistry
14. Elsevier Co.
15. 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** [Assistant Professor of Inorganic Chemistry, Chemistry Department, University of Patras, Greece].
- **Eleni C. Mazarakioti, PhD** [post-doctoral fellow at the Department of Food Science and Technology, University of Patras, Greece].
- **Despoina Dermitzaki, PhD** [Post-doctoral fellow at the NCSR "Demokritos", Greece].
- **Angeliki Athanasopoulou, PhD** [Editor, Chemistry Books at Springer Nature - Sustainability Advocate - Springer Nature Brand Ambassador - Springer].
- **Alysha Alaimo, PhD** [Strategic Projects Coordinator position for the Niagara Region, Canada].
- **Panagiota Perlepe, PhD** [Scientist at Bristol Myers Squibb UK & Ireland].
- **Evangelia Koumousi, PhD** [Chemistry Teacher - High School Science, Ministry of Education, Research and Religious Affairs, Greece].
- **Paul Richardson, MSc** [Research Facilitator for the Faculty of Engineering and Design at Carleton University, Canada].
- **Gavriilia Papanikolaou, MSc** [R&D Senior Analyst at DEMO Pharmaceuticals S.A., Greece].
- **Ourania Ioannidou, MSc** [Safety Operation Specialist 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** [Sales for Laboratory Scientific Equipment at Hellamco S.A., Athens, 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:

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.
24. Chair of the Scientific Supervisory Council (S.S.C.) of the Mixed Experimental School of the University of Patras (Gymnasium) and the Mixed Experimental School of the University of Patras (Lyceum).
25. Coordinator/Evaluator of the A' Lyceum New Chemistry Books, Institute of Educational Policy (IEP).
26. Coordinator of the Outreach Activity: *1st Summer School in Chemistry*; hosting high-school students at the Chemistry Department of the University of Patras during June 2016 to experience lectures and experiments from faculty members of the General and Inorganic Chemistry and Biochemistry laboratories.
27. Head of the Chemistry Department, University of Patras, Patras, Greece.

Authorship Activity – Scopus (August 2025)

Citations	7222
Heterocitations	5066
h-index	48