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Associate Professor

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Date of Birth: 28 May 1974, Strofylia Evvoias, Greece
Nationality: Greek
Marital Status: Single

CURRENT STATUS:

- 9/2016-today: Associate Professor, Department of Chemistry, National and Kapodistrian University of Athens, Greece.
- 6/2011-9/2016: Assistant Professor, Department of Chemistry, National and Kapodistrian University of Athens, Greece.
- 11/2006-6/2011: Lecturer, Department of Chemistry, National and Kapodistrian University of Athens, Greece.
- 2005-2015: Associate Instructional Personnel in General and Inorganic Chemistry, Hellenic Open University, Greece.
- 2005-2006 (fall semester): Temporary Lecturer, Department of Pharmacy, University of Patras, Greece.

EDUCATION:

- *Ph.D. in Chemistry* (November 1998 - May 2002), Department of Chemistry, University of Patras, Patras, Greece (Supervisor: Professor Spyros P. Perlepes).
  Thesis Title: "Development of Synthetic Strategies, Chemical Reactivity and Characterization of Polynuclear Metal Complexes and Coordination Polymers of First-Row Transition Metal Ions"
- *B.Sc. in Chemistry* (September 1993 - July 1998), University of Patras, Patras, Greece.

EARLY RESEARCH EXPERIENCE:

- *Postdoctoral Research* (September 2005 – September 2006), PYTHAGORAS I, Supervisor: Professor Spyros P. Perlepes. Department of Chemistry, University of Patras, Patras, Greece.
  "Chemistry of Polynuclear Complexes of 3d and 4f Metal Ions: From the Efforts for the Development of Synthetic Strategies to the Creation of Active-Site Models of Important Metallobiomolecules and from the Search of Single Molecule Magnets to the Isolation of Molecular Materials with Desirable Optical Properties"
- *Postdoctoral Research* (June 2002 - June 2004), Supervisor: Professor Leonard R. MacGillivray. Department of Chemistry, University of Iowa, Iowa City, USA.
  "Application of Coordination Chemistry to Solid State Organic Chemistry and solid-state photochemistry"
- *Graduate Research Abroad* (February 2001 - August 2001), Supervisor: Professor Leonard R. MacGillivray. Department of Chemistry, University of Iowa, Iowa City, USA.
  "Introduction to Solid State Organic Synthesis – Green Chemistry"
- *Graduate Research Abroad - ERASMUS" Fellowship* (February 2000 - July 2000), Supervisors: Professors Albert Escuer and Ramon Vicente. Departament de Química Inorgànica, Universitat de Barcelona, Barcelona, Spain.
  "Synthesis, Structural, Spectroscopic and Magnetic Characterization of First-Row Transition Metal Polynuclear Complexes based on Di-2-Pyridyl Ketone and Pseudohalogeno Ligands"
- *Graduate Research* January (2000 - June 2001), Supervisor: Professor Spyros P. Perlepes.
  "PENED-1999" Fellowship. Department of Chemistry, University of Patras, Patras, Greece.
  "Two Dimensional (2D) and Three Dimensional (3D) Coordination Polymers as Molecular Magnetic Materials: Synthesis, Structural Characterization, Magnetic and Spectroscopic Properties, and Quantum Chemical Studies"
- *Graduate Research* (October 1998 - September 2001), Supervisor: Professor Spyros P. Perlepes. "K. Karatheodoris" Fellowship. Department of Chemistry, University of Patras, Patras, Greece.
  "Clusters of 3d-Metal Ions: Synthesis, Characterization and Properties"
- *Short-term Graduate Research Abroad* (August 1998 - September 1998), Supervisor: Professor Herman O. Desseyn. Laboratorium Anorganische Scheikunde, Rijksuniversitair Centrum Antwerpen (RUCA), Antwerpen, Belgium.
  "First-Row Transition Metal Ion Complexes of Urea and N,N´-dimethylurea"

- *Undergraduate Research -"Diplomatic Work"* (October 1997 - May 1998), Supervisor: Professor Spyros P. Perlepes. Department of Chemistry, University of Patras, Patras, Greece. Thesis Title: "$CuCl_2$ and CuCl Complexes of 2,1,3-Benzothiadiazole"
- *Undergraduate Research* (March 1996 - September 1997), Supervisor: Professor Spyros P. Perlepes. Department of Chemistry, University of Patras, Patras, Greece. "Coordination chemistry of N-alkyloxamates"

FELLOWSHIPS & AWARDS:

- *University of Iowa: Biosciences Initiative Postdoctoral Fellowship Program 2001-2002* Postdoctoral Fellowship.
- *American Chemical Society: 5th Annual Green Chemistry and Engineering Conference* "A New Generation of Professionals-A New Generation of Processes", Washington, USA, June 26-28, 2001. Student Fellowship.
- *Foundation in Memory of Prof. Dr. Jezowska-Trzebiatowska:* XIIth Winter School on Coordination Chemistry, Karpacz, Poland, December 4-8, 2000. Student Fellowship.
- *EURESCO Conference:* "Design and Properties of Low Nuclearity Metal Complexes, Achievements and Challenges of Organometallic Chemistry and Homogeneous Catalysis", San Feliu de Guixols, Spain, September 2-7, 2000. Student Fellowship.
- *A NATO Advanced Study Institute and a Euroconference: International School of Crystallography,* 28th Course "Crystal Engineering: From Molecules and Crystals to Materials", Erice, Italy, May 12-23, 1999. Student Fellowship.
- *«ERASMOUS»* Fellowship (1/2/2000 - 31/7/2000).
- *«K. KARATHEODORIS»*, Fellowship of the University of Patras (1/10/1998 - 30/9/2001).

RESEARCH PROGRAMS – FUNDING at UoA:

- *2016-2019:* Management Committee Substitute. "Molecular Spintronics" *COST CA15128*.
- 11/2013-10/2015: Principal Investigator: Title: Tailor-made Metal-Organic Frameworks as Trace Gas Detectors for Food Quality Control; Source: co-funded by the European Union (ERDF) and the national funding agencies BMBF/ Germany and GSRT/ Greece Bilateral R&D Cooperation between Greece and Germany 2013 – 2015; Duration: 24 months; Budget 249.862,14€.

- 6/2013-5/2016: Principal Investigator: Title: Seeking New Molecular Materials at the Edge of Organic Solid-State Chemistry, Photochemistry and Metal Complex Chemistry; Source: Empirikion Foundation; Duration: 36 months; Budget: 10.824€.
- 4/2012-1/2016: Team Leader: Title: Polynuclear Transition Metal Complexes: Development of Synthetic Strategies, Reactivity and Applications in Magnetic and Catalytic Materials (Coordinator S. P. Perlepes, University of Patras); Source: General Secretariat for Research and Technology of Greek Ministry of Education, Lifelong Learning and Religious Affairs under the THALIS Research Programme 2010-2013; Duration: 46 months; Budget: 600.000€.
- 2010: Principal Investigator: Title: Studying metal complexes with thermal techniques; Source: Bodosaki Foundation; (Acquisition of a TGA/DSC instrument for the Department of Chemistry of UoA). Budget: 52.260€.
- 2009-2011: Collaborative Researcher: Title: Metal-Organic Frameworks based on poly-alcohols and poly-carboxylic acids as materials for H_2 storage: Synthesis, characterization and study (Coordinator A. J. Tasiopoulos, University of Cyprus); Source: Research Promotion Foundation of Cyprus; Duration: 36 months; Budget: 130.000€.
- 2008-2009: Principal Investigator: Title: Polynuclear metal complexes as molecular magnetic materials and starting materials for coordination polymers; Source: National and Kapodistrian University of Athens; Duration: 24 months; Budget: 2.000€.
- 2006-2007: Principal Investigator: Title: Metal-Organic Frameworks: Porous materials for hydrogen storage; Source: National and Kapodistrian University of Athens; Duration: 24 months; Budget: 1.600€.
- 2006-2011: Research Member: Title: Multifunctional and Switchable Molecular Materials: Design, Synthesis, Characterization and Preparations as Crystals and Thin Films; Source: *COST D35-WG11*; Duration: 72 months.

TEACHING:

Undergraduate courses and laboratory training at UoA

- Materials Chemistry, Department of Chemistry. 2015-2019.
- Special Issues in Inorganic Chemistry, Department of Chemistry. 2010-2019.
- Laboratory of Inorganic Chemistry I, Department of Chemistry. 2006-2007, 2012-2019.
- Laboratory of Inorganic Chemistry III, Department of Chemistry. 2007-2018.
- Inorganic Chemical Technology, Department of Chemistry. 2008-2010.

- Laboratory of Spectroscopy, Department of Chemistry. 2007-2010.
- Laboratory of Inorganic Chemistry II, Department of Chemistry. 2006-2007, 2011-2012.
- Inorganic Chemistry I, Department of Pharmacy. 2009-2015.
- General Chemistry, Department of Physics. 2007-2008.
- Chemistry Laboratory, Department of Geology. 2007-2012.
- Chemistry Laboratory, Department of Physics. 2006-2011.

Post-graduate courses at UoA.

- Inorganic Structure and Reactivity, Department of Chemistry. 2016-2019.
- Modern Spectroscopic Methods and Methods of determination and analysis. Laboratory. 2018-2019.
- Materials Chemistry, Department of Chemistry. 2010-2018.
- Laboratory Techniques for the Separation of Substances and Structure Determination, Department of Chemistry. 2010-2018.
- Chemistry of Mineral Resources, Department of Chemistry. 2007-2010.

Undergraduate courses and laboratory training at other Institutions

- General and Inorganic Chemistry, Studies in the Physical Sciences, Hellenic Open University. 2005-2015 and 2016-2017.
- Laboratory of General and Analytical Chemistry, Department of Pharmacy, University of Patras. 2005-2006.

SUPERVISION OF STUDENTS:

Postgraduate Students (Ph. D. Diploma)

1. Athanassios Katsenis, 2009-2014. “Development of Synthetic Strategies, Chemical Reactivity and Characterization of Metal Clusters and Metal-Organic Frameworks”.
2. Alexandros Perivolaris, 2011-2015. “Synthesis and Characterization of High-Spin Metal Clusters and Single-Molecule Magnets”.
3. Christiana Birnara, 2010-2017. “Synthesis and Characterization of Al(III), Ga(III) and In(III) Complexes with N- and O- Ligand Donors”.
4. Athena Fidelli, 2012-2017. “Development of Synthetic Strategies for Metal-Organic Frameworks Based on Bridging and non-Bridging Ligands”.

5. Antigoni Margariti, 2014-today. “Synthesis, Characterization and Properties of new Metal-Organic Frameworks”.
6. Georgios Tarlas, 2015-today. “Synthesis, Characterization and Properties of New Functional Metal-Organic Frameworks”.
7. Nikos Moutzouris, 2017-today. “Synthesis, Characterization and Properties of New Metal-Organic Frameworks Based on Metallo-Ligands”.

Postgraduate Students (M. Sc. Degree)

1. Athanassios Katsenis, 2007-2009. “Co(II) and Cd(II) Metal Clusters as Building Blocks for the Synthesis of Metal-Organic Frameworks”.
2. Christiana Birnara, 2007-2010. “Gallium(III) Complexes of Salicylaldehyde-oxime and its Substituted Derivatives: Synthesis, Structural Characterization and Photophysical Properties”.
3. Alexandros Perivolaris, 2008-2010. “Synthesis, Structural Characterization and Magnetic Properties of Mn(III) and Ni(II) Oxime-Based Clusters”.
4. Sotiria Tella, 2009-2011. “Ga(III) Complexes with Schiff-Base Ligands”.
5. Vasileios Anastasiadis, 2009-2011. “Synthesis, Structure and Magnetic Properties of Cobalt and Manganese Complexes with Oxime Ligands”.
6. Athena Fidelli, 2010-2012. Τίτλος: “Cu(II) Coordination Polymers Based on Trimesic Acid and Di-2-pyridyl Ketone”.
7. Andreas Konstantatos, 2011-2013. “Synthesis, Structure and Magnetic Properties of Nickel(II) Oximate Complexes”.
8. Andreas Kostopoulos, 2012-2014. “Synthesis, Structure and Magnetic Properties of Copper(II) Oximate Complexes”.
9. Georgios Tarlas, 2013-2015. “Synthesis, Characterization and Properties of New Metal-Organic Frameworks Based on Oxalamides”.
10. Maria Gkika, 2014-2016. “Metal Complexes Based on Ligands that Undergo Metal-Assisted Transformations”.
11. Nikos Moutzouris, 2015-2017. “Synthesis and Characterization of Oxalamide Metallo-Ligands as Building Blocks for the Synthesis of Metal-Organic Frameworks ”.
12. Georgios Tselikoglou, 2016-2018. “Synthesis and Characterization of Metallo-Ligands based on Schiff-bases as Starting Materials for the Synthesis of Metal-Organic Frameworks ”.
13. Alexis Plessas, 2017-today

14. Panos Oikonomopoulos, 2018-today
15. Fillipos Koliopanos, 2018-today

Undergraduate Students

- Aggeliki Nianiarou, 2007-2008.
- Maria Hatzidaki and Stella Mystakopoulou, 2007-2008.
- Vasiliki Tsiriva, 2008-2009.
- Athena Fidelli, 2009-2010.
- Andreas Kostopoulos and Andreas Konstantatos, 2010-2011.
- Marios Stavrou, 2011-2012.
- Ioannis Pastrikos, 2012-2013.
- Alexandros Ioannou and Nicolaos Moutzouris, 2014-2015.
- Panos Oikonomopoulos, 2015-2016.
- Alexis Plessas, 2015-2017.
- Fillipos Koliopanos, 2016-2017.

EXPERIMENTAL TECHNIQUES & SKILLS:

- *Synthesis* of metal ion complexes (monomers, polynuclear metal complexes, coordination polymers, metal-organic frameworks).
- *Solid-State* inorganic / organic synthesis (template-directed synthesis)
- Solid-State *reactivity* / *photochemistry* (organic compounds and metal complexes)
- *Purification* of chemical compounds.
- *Crystallization* (growth of single crystals) of chemical compounds.
- *Characterization* of chemical compounds with *thermal techniques* (TG/DTG, DTA, DSC) and *spectroscopic methods IR, far-IR, Raman, UV/VIS,* and *NMR* (Bruker DPX-300, DRX-400, Varian UNITY Plus 300).
- *Qualitative* and *quantitative* analysis of metal ions using instrumental methods.
- *Crystallography* (solving and refining crystal structures).
- *Topological analysis of periodic networks.*
- *Fitting of magnetic data.*
- Computer working environments (DOS/WINDOWS/LINUX).

- Molecular visualization-crystal structures-topology (ATOMS, ChemOffice, ChemWin, RASMOL, RasTop, WinGX, Struplo, Ortep32, Platon, X-seed, Ortex, OLEX, TOPOS, Diamond, Mercury), *NMR* analysis software (WINNMR, Nuts, MestreC, SpinWorks, MestreNova) and programs for simulating / fitting of magnetic data (MAGPACK, MAGMOFIT2006, ITO-MAGFIT, PHI)
- Usage of Cambridge Structural Database (Cambridge Crystallographic Data Center).

PUBLICATIONS: (*A:* *Account;* *C:* *Communication;* *N:* *Note;* *L:* *Letter;* *FP:* *Full Paper;* *R:* *Review*) Sum of the times cited: 3.860; Sum of times cited without self-citations: 3.571; Citing articles without self-citations: 2.607; h-index: 32.

106. (**FP**) Tarlas G. D.; Katsenis A. D.; **Papaefstathiou G. S.** "An I^2O^1 barium framework derived from an in-situ metal-assisted ligand transformation" *European Journal of Inorganic Chemistry*, **2018**, 4458-4464.

105. (**FP**) Diamantis S. A.; Pournara A. D.; Hatzidimitriou A. G.; Manos M. J.; **Papaefstathiou G. S.**; Lazarides T. "Two new alkaline earth metal organic frameworks with the diamino derivative of biphenyl-4,4'-dicarboxylate as bridging ligand: Structures, fluorescence and quenching by gas phase aldehydes" *Polyhedron*, **2018**, *153*, 173-180.

104. (**FP**) Margariti A.; Pournara A. D.; Manos M. J.; Lazarides T.; **Papaefstathiou G. S.** "Towards white-light emission by Tb^{3+}/Eu^{3+} substitution in a Ca^{2+} framework" *Polyhedron*, **2018**, *153*, 24-30.

103. (**R**) Diamantis S. A.; Margariti A.; Pournara A. D.; **Papaefstathiou G. S.**; Manos M. J.; Lazarides T. "Luminescent metal–organic frameworks as chemical sensors: common pitfalls and proposed best practices" *Inorganic Chemistry Frontiers*, **2018**, *5*, 1493-1511.

102. (**FP**) Pournara A. D.; Douvali A.; Diamantis S.; **Papaefstathiou G. S.**; Hatzidimitriou A. G.; Kaziannis S.; Kosmidis C.; Lazarides T.; Manos M. J. "A new Cd^{2+}-dihydroxyterephthalate MOF: Synthesis, crystal structure and detailed photophysical studies" *Polyhedron*, **2018**, *151*, 401-406.

101. (**FP**) Chu Q.; Duncan A. J. E.; **Papaefstathiou G. S.**; Hamilton T. D.; Atkinson M. B. J.; Mariappan S. V. S.; MacGillivray L. R. "Putting Cocrystal Stoichiometry to Work: A Reactive Hydrogen-Bonded "Superassembly" Enables Nanoscale Enlargement of a Metal–Organic Rhomboid via a Solid-State Photocycloaddition" *Journal of the American Chemical Society*, **2018**, *140*, 4940-4944.

100. (**FP**) Fidelli A. M.; Armakola E.; Demadis K. D.; Kessler V. G.; Escuer A.; **Papaefstathiou G. S.** "Cu^{II} frameworks from di-2-pyridyl ketone and benzene-1,3,5-triphosphonic acid" *European Journal of Inorganic Chemistry*, **2018**, 91-98.

99. (**FP**) Fidelli A. M.; Kessler V. G.; Escuer A.; **Papaefstathiou G. S.** "Cu(II) frameworks from a "mixed-ligand" approach" *CrystEngComm,* **2017**, *19*, 4355-4367.

98. (**FP**) Margariti A.; Rapti S.; Katsenis A. D.; Friščić T.; Georgiou Y.; Manos M. J.; **Papaefstathiou G. S.** "Cu^{2+} Sorption from Aqueous Media by a Recyclable Ca^{2+} Framework" *Inorganic Chemistry Frontiers*, **2017**, *4*, 773-781.

97. (**FP**) Papazoi E.; Douvali A.; Rapti S.; Skliri E.; Armatas G. S.; **Papaefstathiou G. S.**; Wang X.; Huang Z.-F.; Kaziannis S.; Kosmidis C.; Hatzidimitriou A. G.; Lazarides T.; Manos M. J. "A Microporous Mg^{2+} MOF with Cation Exchange Properties in a Single-Crystal-to-Single-Crystal Fashion" *Inorganic Chemistry Frontiers*, **2017**, *4*, 530-536.

96. (**FP**) Birnara C.; Kessler V. G.; **Papaefstathiou G. S.** "Group III Quinaldates: Synthesis, Structure and Photoluminescence" *Journal of Coordination Chemistry*, **2017**, *70*, 997-1007.

95. (**FP**) Kourtellaris A.; Moushi E. E.; Spanopoulos I.; Tampaxis C.; Charalambopoulou G.; Steriotis T. A.; **Papaefstathiou G. S.**; Trikalitis P. N.; Tasiopoulos A. J. "A Microporous Cu^{2+} MOF Based on a Pyridyl Isophthalic Acid Schiff Base Ligand with High CO_2 Uptake" *Inorganic Chemistry Frontiers*, **2016**, *3*, 1527-1535.

94. (**FP**) Douvali A.; **Papaefstathiou G. S.**; Gullo M. P.; Barbieri A.; Tsipis A. C.; Malliakas C. D.; Kanatzidis M. G.; Papadas I.; Armatas G. S.; Hatzidimitriou A. G.; Lazarides T.; Manos M. J. "Alkaline Earth Metal Ion/Dihydroxy–Terephthalate MOFs: Structural Diversity and Unusual Luminescent Properties" Inorganic Chemistry **2015**, *54*, 5813-5826.

93. (**C**) Douvali A.; Tsipis A. C.; Eliseeva S. V.; Petoud S.; **Papaefstathiou G. S.**; Malliakas C. D.; Papadas I.; Armatas G. S.; Margiolaki I.; Kanatzidis M. G.; Lazarides T.; Manos M. J. "Turn-on Luminescence Sensing and Real-Time Detection of Traces of Water in Organic Solvents by Flexible Metal-Organic Framework" *Angewandte Chemie International Edition* **2015**, *54*, 1651-1656.

92. (**FP**) Moushi E. E.; Kourtellaris A.; Spanopoulos I.; Manos M. J.; **Papaefstathiou G. S.**; Trikalitis P. N.; Tasiopoulos A. J. "A Microporous Co^{2+} Metal Organic Framework with Single–Crystal to Single–Crystal Transformation Properties and High CO_2 Uptake" *Crystal Growth & Design*, **2015**, *15*, 185-193.

91. (**FP**) Perivolaris A.; Fidelli A. M.; Inglis R.; Kessler V. G.; Slawin A. M. Z.; Brechin E. K.; **Papaefstathiou G. S.** "A family of hexanuclear Mn(III) single-molecule magnets" *Journal of Coordination Chemistry*, **2014**, *67*, 3972-3976.

90. (**C**) **Papaefstathiou G. S.**; Duncan A. J. E.; MacGillivray L. R. "Two act as one: unexpected dimers of catechol direct a solid-state [2+2] photodimerization in a six-component hydrogen-bonded assembly" *Chemical Communications*, **2014**, *50*, 15960-15962.

89. (**C**) Kostopoulos A. K.; Katsenis A. D.; Frost J. M.; Kessler V. G.; Brechin E. K.; **Papaefstathiou G. S.** "Circular serendipity: in situ ligand transformation for the self-assembly of an hexadecametallic $[Cu^{II}_{16}]$ wheel" *Chemical Communications*, **2014**, *50*, 15002-15005.

88. (**FP**) Perivolaris A.; Stoumpos C. C.; Karpinska J.; Ryder A. G.; Frost G. M.; Mason K.; Prescimone A.; Slawin A. M. Z.; Kessler V. G.; Mathieson J. S.; Cronin L.; Brechin E. K.; **Papaefstathiou G. S.** "A family of $[Ni_8]$ cages templated by μ_6-peroxide from dioxygen activation" *Inorganic Chemistry Frontiers*, **2014**, *1*, 487-494.

87. (**C**) **Papaefstathiou G. S.**; Subrahmanyam K. S.; Armatas G. S.; Malliakas C. D.; Kanatzidis M. G.; Manos M. J. "A unique microporous copper trimesate selenite with high selectivity for CO_2" *CrystEngComm*, **2014**, *16*, 3483-3486.

86. (**FP**) Tella S.; Bekiari V.; Kessler V. G.; **Papaefstathiou G. S.** "Gallium(III) complexes based on N,N'-bis(salicylidene)propane-1,3-diamine and its derivatives" *Polyhedron*, **2013**, *64*, 77-83.

85. (**C**) Manoli M.; Inglis R.; Manos M. J.; **Papaefstathiou G. S.**; Brechin E. K.; Tasiopoulos A. J. "A 1-D Coordination Polymer Based on a Mn_{40} Octagonal Super-Structure" *Chemical Communications* **2013**, *49*, 1061-1063.

84. (**FP**) Manos M. J.; Moushi E. E.; **Papaefstathiou G. S.**; Tasiopoulos A. J. "New Zn^{2+} Metal Organic Frameworks with Unique Network Topologies from the Combination of Trimesic Acid and Amino-Alcohols" *Crystal Growth & Design* **2012**, *12*, 5471-5480.

83. (**FP**) Kyprianidou E. J.; **Papaefstathiou G. S.**; Manos M. J.; Tasiopoulos A. J. "A Flexible Cd^{2+} Metal Organic Framework with a Unique (3,3,6)-Connected Topology, Unprecedented Secondary Building Units and Single Crystal to Single Crystal Solvent Exchange Properties" *CrystEngComm* **2012**, *14*, 8368-8373.

82. (**FP**) Manos M. J.; Kyprianidou E. J.; **Papaefstathiou G. S.**; Tasiopoulos A. J. "Insertion of Functional Groups into a Nd^{3+} Metal−Organic Framework via Single-Crystal-to-Single-Crystal Coordinating Solvent Exchange" *Inorganic Chemistry* **2012**, *51*, 6308-6314.

81. (**C**) Katsenis A. D.; Inglis R.; Prescimone A.; Brechin E. K.; **Papaefstathiou G. S.** "Two-dimensional Frameworks Built from Single-Molecule Magnets" *CrystEngComm* **2012**, *14*, 1216-1218.

80. (**C**) Manos M. J.; Markoulides M. S.; Malliakas C. D.; **Papaefstathiou G. S.**; Chronakis N.; Kanatzidis M. G.; Trikalitis P. N.; Tasiopoulos A. J. "A Highly Porous Interpenetrated Metal−Organic Framework from the Use of a Novel Nanosized Organic Linker" *Inorganic Chemistry* **2011**, *50*, 11297-11299.

79. (**FP**) Katsenis A. D.; Kessler V. G.; **Papaefstathiou G. S.** "High-Spin Ni(II) Clusters: Triangles and Planar Tetranuclear Complexes" *Dalton Transactions* **2011**, *40*, 4590-4598.

78. (**FP**) Mason K.; Gass I. A.; White F. J.; **Papaefstathiou G. S.**; Brechin E. K.; Tasker P. A. "Hexa- and Octanuclear Iron(III) Salicylaldoxime Clusters" *Dalton Transactions* **2011**, *40*, 2875-2881.

77. (**C**) Inglis R.; White F.; Piligkos S.; Wernsdorfer W.; Brechin E. K.; **Papaefstathiou G. S.** "Chiral Single-Molecule Magnets: A Partial Mn(III) Supertetrahedron from Achiral Components" *Chemical Communications* **2011**, *47*, 3090-3092.

76. (**FP**) Inglis R.; Katsenis A. D.; Collins A.; White F.; Milios C. J.; **Papaefstathiou G. S.**; Brechin E. K. "Assembling Molecular Triangles into Discrete and Infinite Architectures" *CrystEngComm* **2010**, *12*, 2064-2072.

75. (**FP**) Meally S. T.; McDonald C.; Karotsis G.; **Papaefstathiou G.S.**; Brechin E. K.; Dunne P. W.; McArdle P.; Power N. P.; Jones L. F. "A family of double-bowl *pseudo* metallocalix[6]arene discs" *Dalton Transactions* **2010**, *39*, 4809-4816.

74. (**FP**) Drakopoulou L.; Raptopoulou C. P.; Terzis A.; **Papaefstathiou G. S.** "Hydrogen-Bonded Networks Based on Cobalt(II), Nickel(II), and Zinc(II) Complexes of N,N'-Diethylurea" *Bioinorganic Chemistry and Applications* **2010**, *Article ID 618202,* 12 pages.

73. (**FP**) Zanias S.; **Papaefstathiou G. S.**; Raptopoulou C. P.; Papazisis K. T.; Vala V.; Zambouli D.; Kortsaris A. H.; Kyriakidis D. A.; Zafiropoulos Th. F. "Synthesis, Structure, and Antiproliferative Activity of Three Gallium(III) Azole Complexes" *Bioinorganic Chemistry and Applications* **2010**, *Article ID 168030,* 10 pages.

72. (**C**) Meally S. T.; Karotsis G.; Brechin E. K.; **Papaefstathiou G. S.**; Dunne P. W.; McArdle P.; Jones L. F. "Planar [Ni_7] Discs as Double-Bowl, Pseudo Metallacalix[6]arene Host Cavities" *CrystEngComm* **2010**, *12*, 59-63.

71. (**FP**) Sartzi H.; **Papaefstathiou G. S.**; Psycharis V.; Escuer A.; Perlepes S. P.; Stoumpos C. C. "Halo and Azido Copper(II) Coordination Polymers Featuring the *gem*-diolate Forms of Di-2-pyridyl Ketone" *Polyhedron* **2010**, *29*, 100-109.

70. (**FP**) Inglis R.; **Papaefstathiou G. S.**; Wernsdorfer W.; Brechin E. K. "Ferromagnetic [Mn_3] Single-Molecule Magnets and their Supramolecular Networks" *Australian Journal of Chemistry* **2009**, *62*, 1108-1118.

69. (**FP**) Inglis R.; Taylor S. M.; Jones L. F.; **Papaefstathiou G. S.**; Perlepes S. P.; Datta S.; Hill S.; Wernsdorfer W.; Brechin E. K. "Twisting, Bending, Stretching: Strategies for Making Ferromagnetic [Mn^{III}_3] Triangles" *Dalton Transactions* **2009,** 9157-9168.

68. (**FP**) Katsenis A. D.; Inglis R.; Slawin A. M. Z.; Kessler V. G.; Brechin E. K.; **Papaefstathiou G. S.** "Transforming the Cube: a Tetranuclear Cobalt(II) Cubane Cluster and its Transformation to a Dimer of Dimers" *CrystEngComm* **2009**, *11*, 2117-2120.

67. (**FP**) Birnara C.; Kessler V. G.; **Papaefstathiou G. S.** "Mononuclear Gallium(III) Complexes Based on Salicylaldoximes: Synthesis, Structure and Spectroscopic Characterization" *Polyhedron* **2009**, 3291-3297.

66. (**FP**) Katsoulakou E.; **Papaefstathiou G. S.**; Konidaris K. F.; Pairas G.; Raptopoulou C.; Cordopatis P.; Manessi-Zoupa E. "Synthesis, Structural Study and Topological Analysis of Zn/Aib and Aib-based Small Peptide Complexes (H-Aib-OH = α-aminoisobutyric acid)" *Polyhedron* **2009**, 3387-3399.

65. (**FP**) Milios C. J.; Ioannou P. V.; Raptopoulou C. P.; **Papaefstathiou G. S.** "Crystal Engineering with 2,1,3-benzoselenadiazole and Mercury(II) Chloride" *Polyhedron* **2009**, 3199-3202.

64. (**FP**) Kagkelari A; **Papaefstathiou G. S.**; Raptopoulou C. P.; Zafiropoulos Th. F. "Synthesis and Structure of *N*-salicylidene-*o*-aminophenolato Gallium(III) Complexes" *Polyhedron* **2009**, 3279-3283.

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39. "Oxalamide Based Metal-Organic Frameworks" *2017- CTMNM/NAGC Workshop-Cyprus,* Pafos, Cyprus, 8-12 May, **2017**, page 52 in the Book of Abstracts. (invited)

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26. "Assembling Metal Clusters into Discrete and Supramolecular Architectures" *WORKSHOP: "Current Trends and Perspectives in Inorganic Chemistry"* Conference and Cultural Centre of the University of Patras, Patras, Greece, 17 June, **2010**. (invited)

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24. "Development of Synthetic Strategies for Molecular Materials" *Seminar, Department of Chemistry, National and Kapodistrian University of Athens*, Athens, Greece, May 10, **2010**.

23. "Supramolecular Chemistry of Magnetic Molecules and Single-Molecule Magnets" *COST D35 WORKSHOP,* Vavrona, Greece, 17-19 June, **2009**, one page in the book of abstracts.

22. "Inverting, Functionalizing and Designing Metal-Organic Frameworks" *2nd North-America-Greece-Cyprus Workshop on Paramagnetic Materials*, Syros, Greece, 18-21 June, **2007**, one page in the book of abstracts. (invited)

21. "Directing reactivity in the solid-state using linear templates" *School Colloquia*, *Department of Chemistry, University of Edinburgh,* UK, 27 April, **2007**. (invited)

20. "Manipulating Matter within Molecular Crystals: Phototunable Fluorescence of a Transition Metal Complex via a Single-Crystal-to-Single-Crystal Transformation" *3rd Conference of the*

Hellenic Crystallographic Association, Patras, Greece, 22-24 September, **2006**, one page in the book of Abstracts. (invited)

19. "Discrete Versus Infinite Molecular Self-Assembly by Means of Halogen Substituents: Manipulating Matter in Crystalline Hydrogen-Bonded Assemblies Based on Resorcinol and Catechol" *International Meeting on the Progress of Halogen's Chemistry (HALCHEM-III)*, Ioannina, Greece, 28 June - 1 July, **2006**, one page in the book of Abstracts.

18. "Synthetic Strategies, Chemical Reactivity and Characterization of First Row Transition Metal Ion Clusters and Topochemically Controled Photoreactions in the Solid-State Using Organic and Inorganic Linear Templates" *Department of Chemistry, University of Crete*, Herakleion, Greece, 23 October, **2005**.

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16. "Linear Templates as a Means to Control Reactivity in the Solid-State: From Molecular and Target Orientated Synthesis to Materials and Molecular Switching Devices" *Department of Chemistry, Michigan State University*, East Lansing, MI, USA, 4 May, **2004**. (invited)

15. "Directing Reactivity in the Solid-State Using Linear Templates: From Molecular and Target-Orientated Synthesis to Materials and Molecular Switching Devices" *Chemistry Seminar Series, Department of Chemistry, University of Puerto Rico*, San Juan, PR, USA, 17 March, **2004**. (invited)

14. "Chemical Storage of H_2 within Crystalline Metal-Organic Frameworks" *Honda Initiation Grant 2003 Symposium*, Newport Beach, CA, USA, 18 November, **2003**.

13. "A Transition Metal Complex that Directs Reactivity in the Solid State *via* a Single-Crystal-to-Single-Crystal Transformation" *38th Midwest Regional Meeting of the American Chemical Society*, Columbia, Missouri, USA, 5-7 November, **2003**, p. 119 (Paper 71) in the book of Abstracts.

12. “A Transition Metal Complex as a Linear Template for Directing Reactivity in the Solid State” *Midwest Organic Solid State Chemistry Symposium,* Minneapolis, MN, USA, 6-7 June, **2003**.

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10. “A Transition-Metal Complex as a Linear Template for Directing the Formation of C-C Bonds in the Solid State” *American Chemical Society, 225th National Meeting,* New Orleans, LA, USA, 23-27 March, **2003**, Abstract INOR 862.

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7. “Polynuclear Metal Complexes Based on the Various Forms of Di-2-pyridyl Ketone and Benzotriazole: Synthesis Reactivity and Magnetic Properties” *Inorganic Seminar Series, Department of Chemistry, University of Iowa*, Iowa City, IA, USA, 25 September, **2002**.

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PRESENTATIONS AT CONFERENCES & RESEARCH SCHOOLS:

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119. Margariti A.; Rapti S.; Pournara A. D.; Katsenis A. D.; Friscic T.; Lazarides T.; Manos M. J.; Papaefstathiou G. S. “A novel Ca-MOF for metal sorption from aqueous media” *Athens Conference on Advances in Chemistry (acac2018)*, 30th October - 2nd November, **2018**, Athens, Greece. Page 71 in the book of abstracts. Talk. (A. M.)

118. Tarlas G. D.; Aggeli S.; Trikalitis P. N.; Tasiopoulos A. J.; Manos M.; Papaefstathiou G. S. “Alkaline Earth Metal-Organic Frameworks and Sorption Properties” *Athens Conference on Advances in Chemistry (acac2018)*, 30th October - 2nd November, **2018**, Athens, Greece. Page 77 in the book of abstracts. Talk. (G.D.T)

117. Diamantis S. A.; Hatzidimitriou A.; Pournara A.; Kourtellaris A.; Tasiopoulos A.; Manos M.; Papaefstathiou G. S.; Lazarides T. “Structural diversity in alkaline earth metal-organic

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111. Kourtellaris, A.; Moushi, E. E.; Spanopoulos, I.; Manos, M. J.; Papaefstathiou, G. S.; Trikalitis, P. N.; Tasiopoulos, A. J. "Microporous Metal Organic Frameworks based on Pyridyl-Carboxylate ligands" *2017- CTMNM/NAGC Workshop-Cyprus,* 8-12 May, **2017**, Pafos, Cyprus. Page 36 in the Book of Abstracts. Talk. (A.K.)

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105. Margariti, A.; Katsenis, A. D.; Friscic, T.; Moushi, E.; Tasiopoulos, A.; Manos, E. J.; Lazarides, T.; Papaefstathiou, G. S. "Oxalamide Based Metal-Organic Frameworks" *7th Panhellenic Symposium on Porous Materials*, 2-4 June, **2016**, Ioannina, Greece. Talk. (A.M.)

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95. Moushi, E. E.; Kourtellaris, A.; Spanopoulos, I.; Manos, M. J.; Papaefstathiou, G. S.; Trikalitis, P. N.; Tasiopoulos, A. J. "A Microporous Co^{2+} Metal Organic Framework with Single – Crystal to Single – Crystal Transformation Properties and High CO_2 Uptake" *International Symposium on Advanced Nanoporous and Nanostructured Materials*, Heraklion, Greece, 3-5 September, **2014**. Poster Presentation.

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93. Duncan, A. J. E.; Papaefstathiou, G. S.; MacGillivray, L. R. "Supramolecular Templates for Photocycloadditions in Solids" *Midwest Organic Solid State Chemistry Symposium,* Iowa City, IA, USA, 13-14 June, **2014**, one page in the book of Abstracts, Talk. (A.J.E.D.)

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61. Hamilton T. D.; Papaefstathiou G. S.; Chu, Q.; MacGillivray, L. R. "Solid-State Synthesis Enables Construction of a Polyfunctional Ligand that Gives Rise to Metal-Organic Polygons and Polyhedra" *39th Midwest Regional Meeting of the American Chemical Society,* Manhattan, KS, USA, 20-22 October, **2004**, one page in the book of Abstracts, Talk. (T.D.H.)

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51. Mertzenich C. L.; Papaefstathiou G. S.; MacGillivray L. R. "Inverted Metal-Organic Frameworks Derived from Linear Templates and the Solid State" *Midwest Organic Solid State Chemistry Symposium,* Carbondale, IL, USA, June 4-6, **2004**, one page in the book of Abstracts, Talk. (M.C.L.)

50. Mertzenich C. L.; Papaefstathiou G. S.; MacGillivray L. R. "Systematic organic functionalization of the interior spaces of an inverted metal-organic framework" *American Chemical Society, 227th National Meeting,* Anaheim, CA, USA, 28 March - 1 April, **2004**, Abstract INOR 028, Poster Presentation.

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48. Papaefstathiou G. S.; MacGillivray L. R. "Towards Molecular Assemblers" *Nanotech@UI Symposium of Nanoscience and Nanotechnology at The University of Iowa*, Iowa City, IA, 12 November, **2003**, Poster Presentation.

47. Hamilton T. D.; Papaefstathiou G. S.; MacGillivray L. R. "Exterior Chiral Modification of a Metal-Organic Polyhedral Host" *Nanotech@UI Symposium of Nanoscience and Nanotechnology at The University of Iowa*, Iowa City, IA, 12 November, **2003**, Poster Presentation.

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45. MacGillivray L. R.; Papaefstathiou G. S.; Friscic T.; Varshney D. B.; Hamilton T. D.; Chu Q. "Linear Templates: Tools for Directing Reactivity in the Solid State" *38th Midwest Regional Meeting of the American Chemical Society*, Columbia, MO, USA, 5-7 November, **2003**, p. 268 (Paper 366) in the book of Abstracts, Talk. (L.R.M.)

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36. Varshney D. B.; Papaefstathiou G. S.; MacGillivray L. R. "Supramolecular Construction of a Molecular Polyhedron in the Solid-State Using Linear Templates" *Midwest Organic Solid State Chemistry Symposium,* Minneapolis, MN, USA, 6-7 June, **2003**, one page in the book of Abstracts, Talk. (D.B.V.)

35. Chu, Q. L.; Papaefstathiou G. S.; Hamilton T. D.; Atkinson, M. B. J.; MacGillivray L. R. "A Metal-Organic Square Constructed Using a Linear Template" *Midwest Organic Solid State Chemistry*

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32. MacGillivray L. R.; Friscic T.; Papaefstathiou G. S.; Varshney D. "Supramolecular Control of Reactivity Using Linear Templates" *American Chemical Society, 225th National Meeting,* New Orleans, LA, USA, 23-27 March, **2003**, Abstract ORGN 672, Talk. (D.B.V.)

31. MacGillivray L. R.; Hamilton T. D.; Papaefstathiou G. S. "Chemical Modification of the Outer Surface of a Polyhedral Host Derived from a Synthetic Linear Template" *American Chemical Society, 225th National Meeting,* New Orleans, LA, USA, 23-27 March, **2003**, Abstract INOR 47, Talk. (T.D.H.)

30. MacGillivray L. R.; Milios C. J.; Papaefstathiou G. S. "Layered Metal-Organic Frameworks Based on a Ligand Derived from a Template-Directed Solid-State Organic Synthesis" *American Chemical Society, 225th National Meeting,* New Orleans, LA, USA, 23-27 March, **2003**, Abstract INOR 369, Poster Presentation.

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28. MacGillivray L. R.; Papaefstathiou G. S.; Hamilton T. D.; Friscic T.; Varshney D. "Supramolecular Control of Reactivity in the Solid State Using Linear Templates" *59th Southeast Regional Meeting of the American Chemical Society, SERMACS 2002*, Charleston, SC, USA, 13-16 November, **2002**, p.51 (Paper 5) in the book of Abstracts. Talk. (L.R.M.)

27. MacGillivray L. R.; Papaefstathiou G. S.; Varshney D.; Hamilton T. D.; Friscic T. "Template-Directed Solid-State Organic Synthesis" *37th Midwest Regional Meeting of the American Chemical Society*, Lawrence, KS, USA, 23-25 October, **2002**, p. 162 (Paper 193) in the book of Abstracts, Talk. (L.R.M.)

26. Hamilton T. D.; Papaefstathiou G. S.; MacGillivray L. R. "Template-Directed Synthesis of a Polyhedral Host" *37th Midwest Regional Meeting of the American Chemical Society*, Lawrence, KS, USA, 23-25 October, **2002**, p. 123 (Paper 117) in the book of Abstracts, Talk. (T.D.H.)

25. Varshney D. B.; Papaefstathiou G. S.; MacGillivray L. R. "Regiocontrol of Reactivity in Molecular Solids Using Linear Templates" *Biocatalysis and Bioprocessing Conference*, Iowa City, IA, USA, 21-23 October, **2002**, p. 79 (PN 52) in the book of Abstracts, Poster Presentation.

24. Papaefstathiou G. S.; MacGillivray L. R. "Organic Molecules Synthesized Using Linear Templates Serve as Building Units for the Construction of Porous Metal-Organic Solids" *Biocatalysis and Bioprocessing Conference*, Iowa City, IA, USA, 21-23 October, **2002**, p. 60 (PN 33) in the book of Abstracts, Poster Presentation.

23. Hamilton T. D.; Papaefstathiou G. S.; MacGillivray L. R. "Toward Mimicry of the Synthesis Paradigm of DNA: A Polyhedral Host Derived from a Linear Template" *Biocatalysis and Bioprocessing Conference*, Iowa City, IA, USA, 21-23 October, **2002**, p. 20 (PN 13) in the book of Abstracts, Poster Presentation.

22. Papaefstathiou G. S.; MacGillivray L. R. "Application of a Template-Directed Solid-State Organic Synthesis: Porous Metal-Organic Frameworks with Walls Decorated with Convergent Functionality" *Gordon Research Conference on Solid State Chemistry*, New London, NH, USA, 28 June - 2 August, **2002**, Poster Presentation.

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20. Hamilton T. D.; Papaefstathiou G. S.; MacGillivray L. R. "A Solid-State Synthesis Enables the Construction of a Polyhedral Host" *Midwest Organic Solid State Chemistry Symposium,* Iowa City, IA, USA, 7-8 June, **2002**, one page in the book of Abstracts, Talk. (T.D.H.)

19. MacGillivray L. R.; Hamilton T. D.; Papaefstathiou G. S. "A Polyhedral Host Designed Using a Linear Template" *American Chemical Society, 223nd National Meeting,* Orlado, FL, USA, 7-1 April, **2002**, Abstract INOR 59, Poster Presentation.

18. MacGillivray L. R.; Papaefstathiou G. S.; Varshney D. B. "Template-directed Organic Synthesis: Using Molecules to Build Molecules by Design" *American Chemical Society, 223nd National Meeting,* Orlado, FL, USA, 7-1 April, **2002**, Abstract ORGN 180, Talk. (L.R.M.)

17. MacGillivray L. R.; Papaefstathiou G. S. "Controlling Formation of C-C Bonds in Molecular Solids by Design" *American Chemical Society, 222nd National Meeting,* Chicago, IL, USA, 26-30 August, **2001**, Abstract INOR 0526, Talk. (L.R.M.)

16. Catsoulakou E.; Papaefstathiou G. S.; Raptopoulou C. P.; Terzis A.; Gerothanassis I.; Pairas G.; Perlepes S. P.; Manesi-Zoupa E. "Reactions of Zn(II) and Cd(II) Salts with Di-2-pyridyl Ketone: Insights into the Role of Zn(II) Sites in Hydrolytic Enzymes and the Employment of Cd(II) as a Probe of Zn(II) in Biomolecules" *6th France, Italy, Greece, Israel, Portugal, Spain Meeting in Inorganic Chemistry (6th FIGIPS)*, Barcelona, Spain, 15-20 July, **2001**, p. 392 (PC.070) in the book of Abstracts, Poster Presentation.

15. MacGillivray L. R.; Papaefstathiou G. S.; Kipp A. J. "Controlling Reactivity in the Solid State Using Linear Templates" *Midwest Organic Solid State Chemistry Symposium,* Lincoln, NV, USA, 8-9 June, **2001**, one page in the book of Abstracts, Talk. (L.R.M.)

14. Escuer A.; Vicente R.; Mautner F. A.; Perlepes S. P.; Papaefstathiou G. S. "Modulation of the Magnetic Properties, by Using the Azido Ligand, in Clusters and High Dimensionality Systems" *9ª Reunión Cientifica Plenaria de Química Inorgánica,* Bilbao, Spain, 5-8 September, **2000**, one page in the book of Abstracts, Talk. (A.E.)

13. Papaefstathiou G. S.; Vicente R.; Escuer A.; Raptopoulou C. P.; Terzis A.; Perlepes S. P. "A Family of Nonanuclear Metal Complexes Based on Di-2-Pyridyl Ketone: Synthesis, Structures and Magnetic Properties" *EURESCO Conference on "Design and Properties of Low Nuclearity Metal Complexes, Achievements and Challenges of Organometallic Chemistry and*

Homogeneous Catalysis", San Feliu de Guixols, Spain, 2-7 September, **2000**, one page in the book of Abstracts, Poster Presentation (Poster 1I).

12. Raptopoulou C. P.; Psycharis V.; Gantis A.; Papaefstathiou G. S.; Perlepes S. P. "Copper(I) and Copper(II) Halogeno Polymers with 2,1,3-benzothiazole: Variation of 1D and 2D Polymeric Structures as a Function of Reaction Conditions**"** *19th European Crystallographic Meeting*, Nancy, France, 25-31 August, **2000**, p. 33 in the book of Abstracts, Poster Presentation. *Acta Crystallographica* **2000**, *A56* (Supplement), s332.

11. Perlepes S. P.; Papaefstathiou G. S.; Raptopoulou C. P.; Terzis A. "Reactivity of Polynuclear Transition Metal Complexes: Controlled Substitution of Benzotriazole Ligands by Halogenide Ions in Pentanuclear Copper(II) Complexes" *34th International Conference on Coordination Chemistry*, Edinburgh, UK, 9-14 July, **2000**, p. L183 in the book of Abstracts, Talk. (S.P.P.)

10. Papaefstathiou G. S.; Vicente R.; Escuer A. ; Raptopoulou C. P.; Terzis A.; Perlepes S. P. "Polynuclear Metal Complexes Based on Di-2-pyridyl Ketone: Synthesis, Structures, Reactivity and Magnetic Properties" *34th International Conference on Coordination Chemistry*, Edinburgh, UK, 9-14 July, **2000**, p. P0097 in the book of Abstracts, Poster Presentation.

9. Papaefstathiou G. S.; Raptopoulou C. P.; Tsohos A.; Terzis A.; Bakalbassis E. G.; Perlepes S. P. "A Family of Novel Planar Pentanuclear Copper(II) Complexes Stabilized by $(py)_2CO(OR)CO(OR)^{2-}$ and Carboxylate Ligands (py=2-pyridyl; R=Et, Pr^n)" *34th International Conference on Coordination Chemistry*, Edinburgh, UK, 9-14 July, **2000**, p. P0096 in the book of Abstracts, Poster Presentation.

8. Catsoulakou E. ; Papaefstathiou G. S.; Angeli A. ; Raptopoulou C. P. ; Terzis A.; Perlepes S. P.; Manessi-Zoupa E. "An Investigation of Zn(II) Sites in Hydrolytic Enzymes Using a Bioinorganic Model Compound Approach" *2nd International Conference of the Chemical Societies of the South-Eastern European Countries on Chemical Sciences for Sustainable Development,* Halkidiki, Greece, 6-9 June, **2000**, p.211 in the book of Abstracts, Vol.1, Poster Presentation.

7. Papaefstathiou G. S.; Tangoulis V.; Tsohos A.; Raptopoulou C. P.; Terzis A.; Perlepes S. P. "3d-Metal Coordination Polymers Based on 2,1,3-benzothiadiazole" *5th France, Greece, Italy, Portugal, Spain Meeting in Inorganic Chemistry (5th FGIPS)*, Toulouse, France, 26-31 October, **1999**, p. PC25 in the book of Abstracts, Poster Presentation.

6. Papaefstathiou G. S.; Raptopoulou C. P.; Terzis A.; Perlepes S. P. "Controlled Substitution of Benzotriazolate Ligands by Halogenide Ions in Hexakis(benzotriazolato)tetrakis(β-diketonato)pentacopper(II) Complexes" *5th France, Greece, Italy, Portugal, Spain Meeting in Inorganic Chemistry (5th FGIPS)*, Toulouse, France, 26-31 October, **1999**, p. PA76 in the book of Abstracts, Poster Presentation.

5. Papaefstathiou G. S.; Raptopoulou C. P.; Terzis A.; Perlepes S. P. "Preparation and Characterization of Copper(I) and Copper(II) Coordination Polymers Based on Halogeno Ligands and 2,1,3-benzothiadiazole" *International School of Crystallography, 28th Course "Crystal Engineering: From Molecules and Crystals to Materials"*, Erice, Italy, 12-23 May, **1999**, p. P40 in the book of Short Talks and Poster Abstracts, Poster Presentation.

4. Papaefstathiou G. S.; Skorda K.; Tsohos A.; Raptopoulou C. P.; Terzis A.; Bakalbassis E. G.; Perlepes S. P. "Copper(II) and Copper(I) Complexes of the Antimicrobial Compound 2,1,3-benzothiadiazole" *5th International Symposium on Applied Bioinorganic Chemistry,* Corfu, Greece, 13-17 April, **1999**, p. 167 in the book of Abstracts, Poster Presentation.

3. Papaefstathiou G. S.; Tsohos A.; Raptopoulou C. P.; Terzis A.; Bakalbassis E. G.; Perlepes S. P. "Planar Pentanuclear Copper(II) Complexes" *1st International Conference of the Chemical Societies of the South-East European Countries*, Halkidiki, Greece, 1-4 June, **1998**, p. PO105 in the book of Abstracts, Vol. I, Poster Presentation.

2. Papaefstathiou G. S.; Tangoulis V.; Tsohos A.; Skorda K.; Raptopoulou C. P.; Terzis A.; Bakalbassis E. G.; Perlepes S. P. "Cu(I) and Cu(II) Complexes of 2,1,3-benzothiadiazole" *4th France, Greece, Italy, Portugal, Spain Meeting in Inorganic Chemistry (4th FGIPS)*, Corfu, Greece, 14-18 October, **1997**, p. PA 67 in the book of Abstracts, Poster Presentation.

1. Papaefstathiou G. S.; Perlepes S. P.; Raptopoulou C. P.; Terzis A.; De Beukeleer S.; Desseyn H. O. "Pd(II) and Pt(II) Complexes of Monothiomalonamide" *17th National Chemistry Conference of Greece,* Patras, Greece, 1-5 December, **1996**, pp. 322-325 in the Book of Proceedings, Poster Presentation.

WORKSHOPS & ADVANCED TRAINING COURSES:

- Theoretical Aspects of Design of Periodic Materials, Centre Européen de Calcul Atomique et Moléculaire (CECAM), Lyon, France,19-20 July **2007**.

- Simulation, Design and Crystal Engineering of Metal-Organic Frameworks, Centre Européen de Calcul Atomique et Moléculaire (CECAM), Lyon, France,16-18 July **2007**.
- A NATO Advanced Study Institute and a Euroconference: International School of Crystallography, 28th Course *"Crystal Engineering: From Molecules and Crystals to Materials"*, Erice, Italy, May 12-23, **1999**.
- Development of Management and Communication Skills, University of Patras, Department of Chemistry, Patras, Greece, July 7-14, **1999**.

OTHER PROFESSIONAL and ADMINISTRATIVE ACTIVITIES:

- 2013-today: Editorial Board Member: Journal of Coordination Chemistry (Taylor & Francis).
- 2007-today: Reviewer/evaluator for research programs: [ACENET ERA-NET (EU), e-GAP (Royal Society of Chemistry, UK), EPSRC (Engineering and Physical Sciences Research Council, UK), Petroleum Foundation (USA), RPF (Cyprus), GSRT (Greece), IKY (Greece)].
- 2007-today: Reviewer for Scientific Journals (Number of papers):
  Chemical Communications (65), *Dalton Transactions* (91), *CrystEngComm* (86), *New Journal of Chemistry* (5*), Inorganic Chemistry Frontiers* (1)*, Physical Chemistry Chemical Physics* (1), *RSC Advances* (8), *Journal of the American Chemical Society* (1), *Inorganic Chemistry* (30), *Crystal Growth & Design* (13), *Inorganic Chemistry Communications* (15), *Inorganica Chimica Acta* (4), *Polyhedron* (14), *Journal of Organometalic Chemistry* (1), *Journal of Inclusion Phenomena* (8), *Journal of Chemical Crystallography* (1), *Journal of Coordination Chemistry* (55), *Journal of Solid State Chemistry* (2), *Journal of Materials Chemistry* (2), *Journal of Inorganic Biochemistry* (1), *Bioinorganic Chemistry and Applications* (10), *European Journal of Inorganic Chemistry* (2), *Chemistry A European Journal* (1), *Zeitschrift für Anorganische und Allgemeine Chemie* (1), *Polymers* (1), *Physical Science International Journal* (2), *Journal of Cluster Chemistry* (1), *Molecular Crystals and Liquid Crystals* (2), *Crystals* (2), *Sensors* (2), *Materials Letters* (1), *Journal of Hazardous Materials* (1), *Supramolecular* Chemistry (1), Frontiers in Chemistry (1), International Journal of Analytical Chemistry (1), Nature *Chemistry* (2), *Nature Communications* (2). **Journals: 37, Total reviews: 437**
- 1998-today: Member of the Greek Chemical Society.
- 2004-today: Member of the Hellenic Green Chemistry Network.
- 2001-2004: Member of the American Chemical society.

- Member of the Scientific Committee of the: *5th Panhellenic Symposium on Porous Materials (2011)*; *7th Panhellenic Symposium on Porous Materials (2016)*.
- Member of the Senate of UoA 2010-2011.
- Member of the Departmental General Assembly 2008-2009, 2013-today.
- Supervisor of the Chemistry building 2017-today.
- Regular Member of the General Assembly of Hellenic Foundation for Research and Innovation (HF.R.I.) 2018-today.
- Member of the Departmental Internal Assessment Group 2016-2018.
- Member of the Departmental Health and Safety Committee 2009-2014.
- In charge of the management of laboratory waste for Inorganic Chemistry Lab 2009-today.
- Military Service 2004-2005.
- Languages: Greek, English.