CURRICULUM VITAE

NAME	Panayotis Kyritsis
GENDER	Male
TITLE	BSc, PhD
DATE OF BIRTH	Sep 29th 1964
PLACE OF BIRTH	Trikala, Greece
NATIONALITY	Greek
MARITAL STATUS	Married, two children
CURRENT POSITION	Associate Professor of Inorganic Chemistry
ADDRESS	Inorganic Chemistry Laboratory Department of Chemistry National and Kapodistrian University of Athens, NKUA 15771 Athens, Greece Tel: +30-210-7274268, FAX: +30-210-7274782 Email: kyritsis@chem.uoa.gr Webpage: http://users.uoa.gr/~kyritsis/home.html
UNDER-GRADUATE STUDIES	Department of Chemistry, NKUA 1982-1987 (BSc Degree "Excellent", 8.93/10.00)
POST-GRADUATE STUDIES	PhD (Oct 1989 - May 1993)
TITLE	Electron-transfer reactivity of some Cu containing proteins
RESEARCH INSTITUTE	University of Newcastle, United Kingdom
SUPERVISOR	Professor A.G. Sykes
FUNDING	State Scholarship Foundation of Greece

POST-DOCTORAL RESEARCH WORK

1) Research Associate, University of Newcastle, EU Network: MADH - Redox Chain of *Thiobacillus versutus*, (Professor A.G. Sykes) (Dec 1, 1993 – Apr 30, 1995).

2) Research Associate (Collaborateur Temporaire Etranger), CEA, Grenoble, Laboratoire des Metalloproteines, (Dr J. Meyer and Dr J.-M. Moulis) (Aug 1, 1995 – Aug 1, 1997): study of 2[4Fe-4S] ferredoxins.

3) Research Associate, Inorganic Chemistry Laboratory, University of Oxford, Prof. H.A.O. Hill and Dr L.-L. Wong (March 9, 1998 – April 30, 1999): reductive dehalogenation of polyhalogenated organic substrates by genetically engineered cytochrome P_{450}.

ACADEMIC POSITIONS

Lecturer of Inorganic Chemistry, NKUA (2000-2007)
Assistant Professor of Inorganic Chemistry, NKUA (2007-2015)
Associate Professor of Inorganic Chemistry, NKUA (2015-today)

RESEARCH INTERESTS

1. Synthesis of metal complexes bearing the cores ME_4 or $ME_4(sol)_2$, (M = Mn, Fe, Co, Ni, Cu, Zn; E = O, S, Se, Te, sol = dmf, thf, dmso, py, 4,4′-bipy), as well as of M(II), M = Co, Ni, Cu, mixed complexes with diimines and imidodiphospinato ligands. The aim of the work is to investigate the electronic, magnetic and biological properties of these complexes and to correlate them with the structural features of the complexes.
2. Synthesis of complexes of M(I), M = Rh, Au; M(II), M = Ni, Pd, Pt, bearing diphosphines of the "PNP" type as ligands. These complexes are investigated as catalysts in hydroformylation, hydrogenation, polymerization and C–C coupling reactions.

CURRENT TEACHING ACTIVITIES

Under-graduate courses

- Chemistry of the Transition Elements (Course and Laboratory, Department of Chemistry students)
- General and Inorganic Chemistry (Course, Department of Pharmacy students)

Post-graduate courses

- Topics of Inorganic Chemistry
- Inorganic Structure and Reactivity
- Experimental Techniques for Separation and Structure Elucidation
- Basic Biocatalysis

DISTINCTIONS – OTHER ACTIVITIES

- 1989-1993: PhD Fellowship, IKY (State Scholarship Foundation of Greece).
- 1995: Shaw-Shaville prize for PhD Thesis, University of Newcastle-upon-Tyne, U.K.
- Member of the Committee for the selection of members of staff, Aristotle University of Thessaloniki and NKUA.
- Reviewer of research proposals of the Science Foundation, Czech Republic.
- Reviewer of research proposals of the National High Magnetic Field Laboratory, Florida, USA.
- Reviewer for the selection of post-graduate students funded by the Fulbright Foundation in Greece (2014, 2017).
- Reviewer of two PhD theses, University of Jadavpur, India.
- Teacher of General and Inorganic Chemistry at the Hellenic Open University, 2001-2011.
- Reviewer in Chemistry Scientific Journals (Journal of the American Chemical Society, Inorganic Chemistry, Dalton Transactions, Inorganic Chemistry Frontiers, European Journal of Inorganic Chemistry, Journal of Physical Chemistry Letters, Inorganica Chimica Acta, Polyhedron, Inorganic Chemistry Communications, Chemistry Select, Applied Organometallic Chemistry, Canadian Journal of Chemistry, Bioinorganic Chemistry and

Applications, Central European Journal of Chemistry, Open Chemistry, Materials, Magnetochemistry, Journal of Chemistry, European Polymer Journal, Journal of Hazardous Materials, Collection of Czechoslovak Chemical Communications.

RESEARCH GRANTS

1) Grant of the State Scholarship Foundation of Greece entitled "IKYDA", for short scientific exchanges with the University of Frankfurt: "Synthesis of analogues of the Mo or W oxotransferase active sites" (2002-2003).

2) Joint Grant "Plato", 12500 Euro, between the General Secretariat of Research and Technology (GSRT) and the Ministry of Foreign Affairs of France: "The role of a family of bacterial ferredoxins in the pathogen-host interactions", research collaboration with the CEA, Grenoble (2003-2005).

3) Exchange Grant of the Ministry of Education, research collaboration with the Charles University of Prague: "Synthesis of Rh(I) complex compounds and study of their catalytic activity in hydroformylation and polymerization reactions" (2003).

4) Research Grant (8000 Euro) from the Empirikion Foundation: "Structure / function relationships in 2[4Fe-4S] ferredoxins" (2004).

5) Ministry of Education Grant "Pythagoras", coordinated by Professor A.-C. Mitsopoulou: "Synthesis of inorganic compounds with predefined properties in catalysis and photocatalysis".

6) Joint Grant "PICS" (12400 Euro), between the GSRT and the CNRS, France: "Biological activity and biochemical properties of a new family of ferredoxins in pathogenic bacteria" (2005-2007).

7) Exchange Grant of the Ministry of Education, research collaboration with the Charles University of Prague: "Synthesis of Ni(II) and Pd(II) complex compounds and study of their catalytic activity in C−C coupling reactions" (2008).

8) Member of the Management Committee of the COST Research Action "European Phosphorus Sciences Network" (PhoSciNet) (2009-2013).

9) Research Program "Heraclitus II": Strengthening human research potential through the implementation of doctoral research. Supervision of the PhD Thesis of Mr. I. Stamatopoulos (2011-2014).

10) Research Grants "Thales" of the Ministry of Education, coordinated by Professors P. Lianos and D. Kontaridis, University of Patras, on "Innovative materials for nanocrystalline solar cells" and "Developing innovative solar cells for the production of hydrogen and electricity from the oxidation of organic compounds using solar radiation", respectively.

11) Research Grant (10000 Euro) from the Empirikion Foundation: "Catalytic properties of complexes of the type $[M(P,P)X_2]$, $[M(E,P)X_2]$ and $[M(E,E)X_2]$, M = Ni, Pd, Pt; E = O, S, Se; X = Cl, Br, I" (2012).

12) Fulbright Foundation Scholar: Two month visit in the National High Magnetic Field Laboratory, Tallahassee, Florida (15/9 - 15/11 2013).

13) Member of the Management Committee COST Research Action CM1305 "Explicit Control Over Spin-States in Technology and Biochemistry" (ECOSTBio) (2014-2018).

14) Research Grants "Kapodistrias" of the Special Account for Research, University of Athens.

15) ELIDEK grant for PhD candidate Mrs Maria Tsoukala, for the project "Structural, spectroscopic and biological properties of mixed copper complexes bearing imidodiphosphinato and diimine ligands" (2017-2020).

16) IKY grant for the post-doctoral associate Dr Eleftherios Ferentinos, project "Synthesis and investigation of mononuclear 3d Single Molecule Magnets" (SMMs (2017-2019).

17) ESPA project entitled "Aqueous asymmetric homogeneous catalysis", in collaboration with Dr I.D. Kostas (National Research Foundation) and the post-doctoral associates Drs E. Ferentinos and P.-C. Ioannou, 2019-2020.

FINAL-YEAR UNDERGRADUATE PROJECTS

1) "Synthesis of analogues of the active site of Mo and W enzymes", K. Vallianatou, D. Maganas, 2002.

2) "The role of nickel and Fe/S centers in the metabolism of the pathogenic bacterium *Helicobacter pylori*", G. Efthymiou, 2003.

3) "Synthesis of Ru dinuclear complexes with Inosine", S. Organtzis, A. Touris, 2004.

4) "Synthesis and characterization of a Rh(I) complex bearing with $HN[Ph_2P(S)]_2$, CO and PCy_3", L. Filotheou, 2004.

5) "Synthesis, structural and spectroscopic characterization of the $Zn[N(SPPh_2)_2]_2$ and $Zn[N(SPPh_2)_2]_2$ complexes", T. Kanakis, 2007.

6) "Synthesis and characterization of the $Fe[Ph_2P(Se)NP(Se)Ph_2$-Se,Se′] complex", E. Mavroudis, 2007.

7) "Effects of mutations in the electrochemical properties of 2[4Fe-4S] ferredoxin of *Allochromatium vinosum*", V. Thomas, 2007.

8) "Structural and spectroscopic study of the $[Ni\{(OPPh_2)(EPPh_2)N\}_2(sol)_2]$ complexes, E = S, Se; sol = dmf, thf", D. Malli, V.-I. Papageorgiou, 2010.

9) "Structural and spectroscopic study of the $[Ni\{(OPPh_2)(EPPh_2)N\}_2(dmso)_2]$ complexes, E = S, Se", A. Moyssiadou, 2011.

10) "Synthesis and characterization of Ni(II) and Au(I) complexes with P-N-P ligands and benzenethiol", S. Kallas, 2012.

11) "Study of the $[Co_2\{(OPPh_2)_2N\}_4]$ complex by EPR spectroscopy", A. Makri, 2012.

12) "Synthesis and characterization of the $[Co\{Ph_2P(Se)NPPh_2\text{-}Se,P\}_2]$ and $[Ni\{Ph_2P(Se)NHPPh_2\text{-}Se,P\}_2]Cl_2$ complexes", K. Grigori, 2012.

13) "Studies of metal complexes by EPR spectroscopy", G. Prokopiou, 2014.

14) "Synthesis and characterization of Cu(I) and Cu(II) complexes containing dichalcogenido-imidodiphosphinato and (N,N) chelating ligands", A. Michailidi, 2014.

15) "Synthesis of V(IV) complexes bearing (E,E), E = O, Se, chelating ligands and related EPR investigations", C. Papanikolopoulou, 2015.

16) "Synthesis of the $[V(IV)O\{Ph_2P(O)N(Se)PPh_2\}_2]$ and $[M(III)\{Ph_2P(O)N(O)PPh_2\}_3]$ M = Cr, Ru, complexes and related EPR investigations", S. Papadimitriou and M. Simantiras, 2015.

17) "Synthesis and characterization of Cu(I) complexes: Application in Dye-Sensitized Solar Cells", M. Samoli, 2015.

18) "Synthesis and characterization of Mn(II) and Ni(II) complexes bearing dichalcogenido-imidodiphosphinato and diimine ligands", C. Antonopoulou, V. Litsiou, 2016.

19) "Synthesis and characterization of the complexes $[Ni(O,E)(N,N)(NO_3)]$, (O,E) = $[Ph_2P(O)NP(E)Ph_2]^-$, E = O, S; (N,N) = $(CH_3)_2N(CH_2)_2N(CH_3)_2$", C. Nano, 2017.

20) "Single Molecule Magnets and the synthesis of related Co(II) and Dy(III) complexes", C. Vasilatos, 2017.

21) "Synthesis and spectroscopic studies on copper complexes bearing modified curcumin", V. Gialouri, C. Floraki, 2018.

22) "Synthesis, structural and spectroscopic properties of complexes $[M(III)\{Ph_2P(O)NP(S)Ph_2\}_3]$, M = Ru, Cr, Ga, In, and $[Ru(III)\{Ph_2P(O)NP(E)Ph_2\}_3]$, E = O, Se», C. Kolliniati, N. Kantartzis, 2019.

MASTER THESES (TOPIC: INORGANIC CHEMISTRY)

1) "Synthesis and characterization of complex compounds of Rh(I) with $HN[Q_2P(S)]_2$ (Q=Ph, ^iPr) ligands, catalytic activity in hydroformylation and polymerization recations", D. Symeonidis, 2003.

2) "Structural, spectroscopic and theoretical study of the M^{II}–S bond covalency in complexes containing MS_4 centers (M = Mn, Co, Ni, Cu)", D. Maganas, 2004.

3) "Redox activity of 2[4Fe-4S] ferredoxins of pathogenic bacteria", G. Efthimiou, 2005.

4) "Structural and spectroscopic study of complexes of the first row of transition elements with (O,S) chelating ligands", E. Ferentinos, 2006.

5) "Structural, spectroscopic and electrochemical properties of M(II) complexes, M = Fe, Co, Ni, Zn, with imidodiphosphinato type of ligands", N. Levesanos, 2007.

6) "Study of Mn(II) and Mn(III) complexes with the $Ph_2P(O)NHP(O)Ph_2$ ligand" P. Papatolis, 2012.

7) "EPR studies on the $[VO\{Ph_2P(O)NP(O)Ph_2\}_2]$ and $[Cu\{Ph_2P(O)NP(O)Ph_2\}_2$ complexes" N.-A. Stamos, 2015.

8) "Synthesis, characterization and biological reactivity of Cu(II) complexes bearing $Ph_2P(O)NHP(O)Ph_2$ and diimine ligands", M. Tsoukala, 2016.

9) "Synthesis, characterization and investigation of magnetic properties of Ni(II) complexes bearing imidodiphosphinato and diimine ligands, and biological investigation of a Ni(II) complex bearing curcumin", E. Oikonomidou, 2018.

MASTER THESES (TOPIC: INORGANIC CHEMISTRY AND ITS APPLICATIONS IN THE INDUSTRY)

1) "Magnetostructural correlations in octahedral Ni(II) complexes", C. Antonopoulou, 2019.

2) "Synthesis and characterization of complexes $[Ni\{Ph_2P(O)NP(E)Ph_2\}(tmeda)(NO_3)]$, E = O, S, Se; tmeda = N,N,N′,N′tetramethylethylenediamine, and $[Co\{Ph_2P(O)NP(O)Ph_2\}(N,N)(NO_3)]$, (N,N) = tmeda, 1,10-phenanthroline, C. Nano, 2019.

MASTER THESES (TOPIC: CATALYSIS AND ITS APPLICATIONS)

1) "Rh(I) complexes with catalytic activity in hydroformylation reactions", K. Chatziapostolou, 2006.

2) "Synthesis and characterization of $[Ni(P,P)X_2]$ complexes, X = Cl, Br, catalytic activity in the polymerization of norbornene", J. Stamatopoulos, 2008.

3) "Synthesis and characterization of $[M(P,E)Cl_2]$ complexes, M = Ni, Pd; E = P, Se, catalytic activity in C-C coupling reactions", D. Gianitsios, 2009.

4) "Synthesis, characterization and study of the catalytic activity of $[M\{Ph_2P)_2N(CH_2)_3Si(OCH_3)_3$-*P,P*′$\}I_2]$, M = Ni, Pd, in Suzuki coupling reactions", M. Kapsi, 2011.

5) "Structural, spectroscopic and catalytic properties of Cu(I) and Au(I) complexes with P-N-P ligands", A.-S. Dimitrellou, 2012.

6) "Catalytic activity of Au(I) and Rh(I) complexes with P-N-P ligands in hydrogenation and hydroformylation reactions", P. Ioannou, 2014.

7) “Synthesis, characterization and catalytic reactivity of Ni(II) and Au(I) complexes bearing P-N-P and (P,P) ligands”, C. Stergiou, 2015.

8) “Synthesis, characterization and catalytic reactivity of Ni(II) and Pd(II) complexes bearing P-N-P ligands”, K. Kakridi, 2016.

9) “Heteroleptic Cu(I) complexes with dichalcogenido-imidodiphosphinato and diimine ligands as dyes in Dye Sensitized Solar Cells”, A. Michailidou, 2017.

10) “Synthesis, characterization and catalytic reactivity of Ru(II), Ni(II) and Au(I) complexes bearing (P,P) ligands”, A. Dogantzi, 2017.

PhD THESES

1) “Covalency of the M-S bond in MS_4-containing complexes”, D. Maganas, 2007 (co-supervised with Prof. C.-A. Mitsopoulou).

2) “Structural, spectroscopic and magnetic properties of complexes of the elements Mn, Fe, Co, Ni, Cu, Zn, with imidodiphosphinato type of ligands”, E. Ferentinos, 2011 (co-supervised with Prof. K. Mertis).

3) “Synthesis, characterization and study of the catalytic activity of $M(P,P)X_2$, $M(P,E)X_2$ and $M(E,E)X_2$ complexes, M = Ni, Pd, Pt; E = O, S, Se; X = Cl, Br”, I. Stamatopoulos, 2014.

4) “Synthesis and investigation of catalytic reactivity of transition metal complexes P-P, P-N-P and P-N-C types of ligands, P.-C. Ioannou, 2018.

5) “Structural, spectroscopic and biological properties of mixed copper complexes bearing imidodiphosphinato and diimine ligands”, M. Tsoukala (under way).

PUBLICATIONS

1. “The reactivity of spinach plastocyanin mutants with inorganic oxidants $[Fe(CN)_6]^{3-}$ and $[Co(phen)_3]^{3+}$”, **P. Kyritsis**; L.G. Lundberg; M. Nordling; T. Vänngård; S. Young; N.P. Tomkinson, A.G. Sykes, *J. Chem. Soc., Chem. Commun.*, 1991, 1441-1442.

2. “Protein-protein reactions involving plastocyanin, cytochrome f and azurin : self-exchange rate constants and related studies with inorganic complexes”, D.G.H.A. de Silva, D. Beoku-Betts, **P. Kyritsis**; K. Govindaraju, R. Powls, N.P. Tomkinson, A.G. Sykes, *J. Chem. Soc., Dalton Trans.*, 1992, 2145-2151.

3. "Pulse radiolysis studies on the oxidised form of the multicopper enzyme ascorbate oxidase: evidence for two intramolecular electron-transfer steps", **P. Kyritsis**, A. Messerschmidt, R. Huber, G.A. Salmon, A.G. Sykes, *J. Chem. Soc., Dalton Trans.*, 1993, 731-735.

4. "Determination of the self-exchange rate constant for plastocyanin from *Anabaena variabilis* by NMR line-broadening", C. Dennison, **P. Kyritsis**, W. McFarlane, A.G. Sykes, *J. Chem. Soc., Dalton Trans.*, 1993, 1959-1963.

5. "Reactions of five spinach plastocyanin mutants with with $[Fe(CN)_6]^{3-}$ and $[Co(phen)_3]^{3+}$, and related studies", **P. Kyritsis**, C. Dennison, W. McFarlane, M. Nordling, S. Young, T. Vänngård, A.G. Sykes, *J. Chem. Soc., Dalton Trans.*, 1993, 2289-2296.

6. "Redox reactivity of the type 1 (blue) copper protein amicyanin from *Thiobacillus versutus* with inorganic complexes", **P. Kyritsis**, C. Dennison, A. P. Kalverda, G.W. Canters, A.G. Sykes, *J. Chem. Soc., Dalton Trans.*, 1994, 3017-3023.

7. "The type 1 (blue) copper protein amicyanin from *Thiobacillus versutus*: line-broadening effects of Cr(III) complexes on the ^{1}H NMR spectrum, and related studies", C. Dennison, **P. Kyritsis**, A.P. Kalverda, G.W. Canters, W. McFarlane, A.G. Sykes, *J. Chem. Soc., Dalton Trans*., 1995, 3395-3400.

8. "Determination of the self-exchange rate constant for rusticyanin from *Thiobacillus ferrooxidans* and a comparison with values for other type 1 copper proteins", **P. Kyritsis**, C. Dennison, W.J. Ingledew, W. McFarlane, A.G. Sykes, *Inorg. Chem.*, 1995, 34, 5370-5374.

9. "Mechanistic studies on the *cis*-$[V(O)_2(H_2O)_4]^+$ and $[Mo(CN)_8]^{3-}$ oxidations of the complex $[(C_2O_4)Re(O)_2Re(C_2O_4)_2]^{4-}$," J.W. Atkinson, M.-C. Hong, D.A. House, **P. Kyritsis**, Y.-J. Li, M. Nasreldin, A.G. Sykes, *J. Chem. Soc., Dalton Trans*., 1995, 3317-3322.

10. "Redox reactivity of the Type 1 copper protein amicyanin from *Thiobacillus versutus* with its physiological partner cytochrome cyt c_{550} and inter-protein cross-reaction studies", **P. Kyritsis**, T. Kohzuma and A.G. Sykes, *Biochim. Biophys. Acta*, 1996, 1295, 245-252.

11. "The influence of conserved aromatic residues on the electron-transfer reactivity of 2[4Fe-4S] ferredoxins", I. Quinkal, **P. Kyritsis**, T. Kohzuma, S.-C. Im, A.G. Sykes, J.-M. Moulis, *Biochim. Biophys. Acta*, 1996, 1295, 201-208.

12. "Electron self-exchange and cross-reaction studies on wild-type *Clostridium pasteurianum* rubredoxin and its Val8Glu variant", S.C. Im, H.-Y. Zhuang-Jackson, T. Kohzuma, **P. Kyritsis**, W. McFarlane, A.G. Sykes, *J. Chem. Soc., Dalton Trans.*, 1996, 4287-4294.

13. "Electron transfer between [4Fe-4S] clusters studied by proton magnetic resonance spectroscopy", **P. Kyritsis**, J.G. Huber, I. Quinkal, J. Gaillard, J.-M. Moulis, *Biochemistry*, 1997, 36, 7839-7846.

14. "The two [4Fe-4S] clusters in *Chromatium vinosum* ferredoxin have largely different reduction potentials: structural origin and functional consequences", **P. Kyritsis**, O.M. Hatzfeld, T.A. Link, J.-M. Moulis, *J. Biol. Chem.*, 1998, 273, 15404-15411.

15. "Unusual NMR, EPR and Mössbauer properties of *Chromatium vinosum* 2[4Fe-4S] ferredoxin", **P. Kyritsis**, R. Kümmerle, J.G. Huber, J. Gaillard, B. Guigliarelli, C. Popescu, E. Münck, J.-M. Moulis, *Biochemistry*, 1999, 38, 6335-6345.

16. "A scanning tunnelling microscopy study of *Clostridium pasteurianum* rubredoxin", R. Mukhopadhyay, J.J. Davis, **P. Kyritsis**, H.A.O. Hill, J. Meyer, *J. Inorg. Biochem.*, 2000, **78**, 251-254.

17. "Electron transfer properties of iron-sulfur proteins", R. Kümmerle, **P. Kyritsis**, J. Gaillard, J.-M. Moulis, *J. Inorg. Biochem.*, 2000, 79, 83-91.

18. "Catalytic reductive dehalogenation of hexachloroethane by molecular variants of cytochrome $P450_{cam}$ (CYP101)", M.E. Walsh, P. **Kyritsis**, N.A.J. Eady, H.A.O. Hill, L.-L. Wong, *Eur. J. Biochem.*, 2000, 267, 5815-5820.

19. "Intramolecular electron transfer in [4Fe-4S] proteins: estimates of the reorganization energy and electronic coupling in *Chromatium vinosum* ferredoxin", R. Kümmerle, J. Gaillard, **P. Kyritsis**, J.-M. Moulis, *J. Biol. Inorg. Chem.*, 2001, 6, 446-451.

20. "Phenyl 2-pyridyl ketone and its oxime in manganese carboxylate chemistry: synthesis,characterization, X-ray studies and magnetic properties of mononuclear, trinuclear and octanuclear complexes", C.J. Milios, T.C. Stamatatos, **P. Kyritsis**, A. Terzis, C.P. Raptopoulou, R. Vicente, A. Escuer, S.P. Perlepes, *Eur. J. Inorg. Chem.*, 2004, 2885-2901.

21. "Hydroformylation of alkenes catalyzed by new dirhodium aryloxide- and carboxylate-bridged complexes", I.D. Kostas,* K. Vallianatou, **P. Kyritsis**,* Z. Zednik, Z. Vohlidal,* *Inorg. Chim. Acta*, 2004, 357, 3084-3088.

22. "Di-2-pyridyl ketone oxime [$(py)_2CNOH$] in manganese carboxylate chemistry, mononuclear, dinuclear and tetranuclear complexes, and partial transformation of $(py)_2CNOH$ to the *gem*-diolate (-2) form of di-2-pyridyl ketone leading to the formation of NO_3^-" C.J. Milios, **P. Kyritsis**, C.P. Raptopoulou, A.Terzis, R. Vicente, A. Escuer, S.P. Perlepes, *Dalton Trans.*, 2005, 501-511.

23. "The first cobalt metallacrowns: preparation and characterization of mixed-valence cobalt(II/III), inverse 12-metallacrown-4 complexes", T.C. Stamatatos, S. Dionyssopoulou, G. Efthymiou, **P. Kyritsis**, C.P. Raptopoulou, A. Terzis, R. Vicente, A. Escuer, S. P. Perlepes, *Inorg. Chem.*, 2005, 44, 3374-3376.

24. "The structure of the 2[4Fe-4S] ferredoxin from *Pseudomonas aeruginosa* at 1.32 Å resolution. Comparison with other high resolution structures of ferredoxins and contributing structural features to reduction potential values", P. Giastas, N. Pinotsis, G. Efthymiou, M. Wilmanns, **P. Kyritsis**,* J.-M. Moulis, I.M. Mavridis,* *J. Biol. Inorg. Chem.*, 2006, 11, 445-458.

25. "Structural, spectroscopic and magnetic properties of $M[(EPR_2)_2N]_2$ complexes, M=Mn, Co, E=S, Se, R=Ph, ^{i}Pr. Covalency of M-S bonds from experimental data and theoretical calculations", D. Maganas, S.S. Staniland, A. Grigoropoulos, F. White, S. Parsons, N. Robertson,* **P. Kyritsis*** and G. Pneumatikakis, *Dalton Trans.*, 2006, 2301-2315.

26. "Synthesis and characterization of new Rh^I complexes bearing CO, PPh_3 and chelate *P,O*- or *Se,Se*-ligands. Application to hydroformylation of styrene", K.A. Chatziapostolou, K.A. Vallianatou, A. Grigoropoulos, C.P. Raptopoulou, A. Terzis, I.D. Kostas,* **P. Kyritsis**,* G. Pneumatikakis, *J. Organom. Chem.*, 2007, 692, 4129-4138.

27. "Ligands that enforce unnatural stereospinomers", D. Maganas, **P. Kyritsis**, G. Aullón, S. Alvarez, *Dalton Trans.*, 2008, 2235-2237.

28. "Ni[$^{i}Pr_2P(E)NP(E)^{i}Pr_2]_2$ complexes: stereoisomers (E = Se) and square-planar coordination (E = Te)", N. Levesanos, S. Robertson, D. Maganas, C.P. Raptopoulou, A. Terzis, **P. Kyritsis**,* T. Chivers,* *Inorg. Chem.*, 2008, **47**, 2949-2951.

29. "Some unsymmetrical nickel 1,2-dithiolene complexes as candidate materials for optics and electronics", G.C. Anyfantis, G.C. Papavassiliou, N. Assimomytis, A. Terzis, V. Psycharis, C.P. Raptopoulou, **P. Kyritsis**, V. Thoma, I.B. Koutselas, *Solid State Sciences*, 2008, 10, 1729-1733.

30. "Some unsymmetrical metal 1,2-dithiolenes based on palladium, platinum and gold", G.C. Papavassiliou, G.C. Anyfantis, A. Terzis, V. Psycharis, **P. Kyritsis**, P. Paraskevopoulou, *Z. Naturforsch*., 2008, 63b, 1377-1382.

31. "Crystal structures of the *Allochromatium vinosum* ferredoxin variants C57A and V13G and the homologous *Escherichia coli* ferredoxin. Insight into the protein and solvent contributions to the reduction potentials of $[4Fe\text{-}4S]^{2+/+}$ clusters", M. Saridakis, P. Giastas, G. Efthymiou, V. Thoma, J.-M. Moulis, **P. Kyritsis**,* I.M. Mavridis,* *J. Biol. Inorg. Chem.*, 2009, 14, 783-799.

32. "Structural and magnetic properties of the dinuclear $[Co_2\{(OPPh_2)_2N\}_4]$ complex: ferromagnetic coupling between the two S=3/2 Co(II) ions", E. Ferentinos, S.D. Chatziefthimiou, N. Robertson,* **P. Kyritsis**,* *Inorg. Chem. Commun.*, 2009, 12, 615-618.

33. "A W-band pulsed EPR/ENDOR study of $Co^{II}S_4$ coordination in the $Co[(SPPh_2)(SP^{i}Pr_2)N]_2$ complex", S. Sottini, G. Mathies, P. Gast, D. Maganas, **P. Kyritsis**, E.J.J. Groenen, *Phys. Chem. Chem. Phys.*, 2009, 11, 6727-6732.

34. "Structural effects of the chelating rings in *trans*-$[Ni\{Ph_2P(Se)NPPh_2\text{-}Se,P\}_2]$ and *trans*-$[Ni\{Ph_2P(Se)NPPh_2\text{-}Se,P\}\{Ph_2P(Se)N(H)PPh_2\text{-}Se,P\}]Cl\cdot CH_2Cl_2\cdot H_2O$ complexes", N. Levesanos, I. Stamatopoulos, C.P. Raptopoulou, V. Psycharis, **P. Kyritsis**,* *Polyhedron*, 2009, 28, 3305-3309.

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43. "Structural, spectroscopic and catalytic properties of $[Ni\{(Ph_2P)_2N$-*S*-CHMePh-*P,P´*$\}X_2]$ complexes, X= Cl, Br, in Kumada and Suzuki-Miyaura coupling reactions", I. Stamatopoulos, M. Plaček, V. Psycharis, A. Terzis, J. Svoboda,* **P. Kyritsis**,* J. Vohlídal,* *Inorg. Chim. Acta*, 2012, 387, 390-395.

44. "Investigating magnetostructural correlations in pseudo-octahedral $[Ni^{(II)}\{(OPPh_2)(EPPh_2)N\}_2(sol)_2]$ complexes, E = S, Se; sol = dmf, thf, by magnetometry, HFEPR and *ab initio* quantum chemistry", D. Maganas, J. Krzystek*, E. Ferentinos, A.M. Whyte, N. Robertson, V. Psycharis, A. Terzis, F. Neese,* **P. Kyritsis**,* *Inorg. Chem.*, 2012, 51, 7218-7231.

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54. "Investigating the structural, spectroscopic and electrochemical properties of $[Fe\{(EPiPr_2)_2N\}_2]$, E = S, Se, and the formation of iron selenides by Chemical Vapor Deposition", N. Levesanos, Wipula P.R. Liyanage, E. Ferentinos, G. Raptopoulos, P. Paraskevopoulou, Y. Sanakis, A. Choudhury, P. Stavropoulos, M. Nath, P. **Kyritsis**,* *Eur. J. Inorg. Chem.*, 2016, 5332-5339.

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58. "Magnetostructural correlations in *S* = 1 trans-[Ni{$(OPPh_2)(EPPh_2)N$}$_2$$(dmso)_2$], E = S, Se, and related complexes", E. Ferentinos, C.P. Raptopoulou, V. Psycharis, A. Terzis, J. Krzystek, * **P. Kyritsis**,* *Polyhedron*, 2018, 151, 177-184.

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61. "Suzuki-Miyaura C−C coupling reaction: Probing effects of the halogeno ligand X^- and the ligand's ^{t}Bu group", P.-C. Ioannou, C. Arbez-Gindre, M. Zoumpanioti, C.P. Raptopoulou, V. Psycharis, I.D. Kostas,* **P. Kyritsis**,* *J. Organom. Chem.*, 2019, 879, 40-46.

62. "Field-induced slow relaxation of magnetization in the *S* = 3/2 octahedral complexes trans-[Co{$(OPPh_2)(EPPh_2)N$}$_2$$(dmf)_2$], E = S, Se: Effects of Co−Se vs Co−S coordination", E. Ferentinos, M. Xu, A. Grigoropoulos, I. Bratsos, C.P. Raptopoulou, V. Psycharis, S.-D Jiang,* **P. Kyritsis**,* *Inorg. Chem. Front.*, 2019, 6, 1405-1414.

Notes:

- For the following publications: **24**, **25**, **26**, **28**, **32, 34, 37**, **38**, **40**, **42, 43, 44, 46, 47, 48, 50, 51, 52, 54, 55, 56, 57, 58, 59, 60, 61, 62,** I was responsible for the correspondence with the Journal's Editor.
- The number of citations to the above publications is **1204** (Google Scholar, 17/6/2019), **h-index 22**.
- **ORCID**: orcid.org/0000-0002-3908-4649

RESEARCH REPORTS WITH THE NATIONAL HIGH MAGNETIC FIELD LABORATORY

(https://nationalmaglab.org/research/publications-all/research-reports)

1. "HFEPR Investigation of the Electronic Properties of *S*=1 Tetrahedral and Octahedral Ni(II) Complexes Containing the Imidodiphosphinate Family of Ligands", E. Ferentinos, D. Maganas, P. Kyritsis, J. Krzystek, **2009**.

2. "Electronic properties of octahedral *trans*-[Ni{$(OPPh_2)(EPPh_2)N$}$_2$$(sol)_2$] complexes, E = S, Se; sol = dmf, thf, investigated by HFEPR, magnetization and theoretical studies", E. Ferentinos, D. Maganas, P. Kyritsis, A. Whyte, N. Robertson, J. Krzystek, **2010**.

3. "Magnetostructural correlations in [$Ni^{(II)}${$(OPPh_2)(EPPh_2)N$}$_2$$(sol)_2$] complexes, E = S, Se; sol = dmf, thf, by HFEPR, magnetometry and theoretical calculations", E. Ferentinos, P. Kyritsis, D. Maganas, F. Neese, A. Whyte, N. Robertson, J. Krzystek, **2011**.

4. "HFEPR Investigation of a $Mn^{III}O_6$-containing Complex Exhibiting Field-Induced Slow Magnetic Relaxation", A. Grigoropoulos, P. Kyritsis, Y. Sanakis, J. Krzystek, **2013**.

5. "High-Field EPR Studies on an Oriented Single Crystal of a Mn(III)-Based Mononuclear Single-Molecule Magnet", A. Grigoropoulos, P. Kyritsis, Y. Sanakis, V. Psycharis, J. Krzystek, K. Thirunavukkuarasu, S. Hill, **2014**.

6. "HFEPR Studies of the *S* = 1 Octahedral *trans*-[$Ni^{(II)}${$(OPPh_2)(SPPh_2)N$}$_2$$(dmso)_2$] Complex", E. Ferentinos, P. Kyritsis, J. Krzystek, **2014**.

7. "HFEPR and ^{57}Fe Mössbauer Spectroscopic Investigation of the Tetrahedral, *S* = 2, [Fe{$(EP^iPr_2)_2N$}$_2$], E = S, Se, Complexes", N. Levesanos, E. Ferentinos, P. Kyritsis, S.A. Stoian, J. Krzystek, **2015**.

8. "Probing the Zero-field Splitting of Tetrahedral *S* = 3/2 Co(II) and *S* = 1 Ni(II) complexes by Far-InfraRed Magnetic Spectroscopy (FIRMS)", E. Ferentinos, P. Kyritsis, M. Ozerov, J. Krzystek, **2018**.

BOOK AUTHORSHIP

"Experiments in General and Inorganic Chemistry" (Stamoulis ed., 2005, in Greek, 8 co-authors)

CHAPTERS IN BOOKS

1."Electron transfer reactivity of mutants of the blue copper protein plastocyanin", A.G. Sykes, **P. Kyritsis**, M. Nordling, and S. Young, in "Bioinorganic Chemistry of Copper", K.D. Karlin and Z. Tyeklar, Eds., Chapman and Hall, New York 1993, p. 78-90.

2."Structure and reactivity of the blue copper proteins", **P. Kyritsis**, C. Dennison and A.G. Sykes, NATO ASI Publications, "Bioinorganic Chemistry", D.P. Kessissoglou, Ed., 1995, Kluwer Academic Publishers, p. 67-76.

CONFERENCES - MEETINGS - LECTURES

1. Presentation of Dr G. Mitrikas entitled "Strain Effects of ^{31}P Hyperfine Coupling Constants in the Conformationally Flexible [Cu{$Ph_2P(O)NP(O)Ph_2$}$_2$] Complex, as Revealed by HYSCORE Spectroscopy", G. Mitrikas, P. Kyritsis, D.A. Pantazis, XIth EFEPR Conference, Bratislava, Slovakia,1-5 September 2019.

2. Poster presentation entitled “Structural and EPR properties of Cu(II) complexes bearing $\{Ph_2P(O)NP(O)Ph_2\}^-$ and 2,2′-bipyridine as ligands», M. Tsoukala, P.-C, Ioannou, C.P. Raptopoulou, V. Psycharis, G. Mitrikas, P. Kyritsis, XIth EFEPR Conference, Bratislava, Slovakia,1-5 September 2019.

3. Invited lecture entitled “Slow Relaxation of Magnetization in 3d Mononuclear Metal Complexes”, 8th Workshop on Current trends in Molecular and Nanoscale Magnetism, 27-31 May 2019, Rhodes Greece.

4. Invited lecture entitled “The Bio-Periodic Table”, Association of Greek Chemists, 20 May 2019.

5. Invited lecture entitled “The Periodic Table and the Chemistry of Life”, P. Kyritsis, 1st Arsakeio Lyceum, 29 January 2019.

6. Poster presentation entitle “Synthesis, characterization and catalytic properties of Ni(II) and Pd(II) complexes bearing $(Ph_2P)_2N(R)$ ligands, R = tBu, (*S*)-CHMePh, $(CH_2)_3Si(OEt)_3$”, P-C. Ioannou, K. Kakridi, C.P. Raptopoulou, V. Psycharis, J. Svoboda, J. Vohlídal, I. Kostas, P. Kyritsis, Athens Conference on Advances in Chemistry, 30 October – 2 November 2018, Athens.

7. Poster presentation entitled “Structural and magnetic properties of the *S* = 3/2 octahedral Co(II) complexes $[Co\{PhC(O)NP(O)Ph_2\}_2(thf)_2]$, $[Co\{(OPPh_2)_2N\}_2(dmso)_2]$ and the 1D-coordination polymers $[Co\{(OPPh_2)(EPPh_2)N\}_2(4,4´\text{-bipy})]_n$, E = S, Se”, I. Ligielli, E. Ferentinos, P.-C. Ioannou, C.P. Raptopoulou, V. Psycharis, M. Ozerov, J. Krzystek, P. Kyritsis, Athens Conference on Advances in Chemistry, 30 October – 2 November 2018, Athens.

8. Poster presentation entitled “Structural, spectroscopic and magnetic properties of Ni(II) complexes bearing $\{Ph_2P(O)NP(E)Ph_2\}^-$, E = O, S, Se and (N, N) = diimine as ligands”, C. Antonopoulou, E. Oikonomidou, K. Nano, P.-C. Ioannou, E. Ferentinos, C.P. Raptopoulou, V. Psycharis, P. Kyritsis, Athens Conference on Advances in Chemistry, 30 October – 2 November 2018, Athens.

9. Poster presentation entitled “Structural, spectroscopic and DNA cleavage properties of Cu(II) complexes bearing $\{Ph_2P(O)NP(O)Ph_2\}^-$ and 2,2-bipyridine as ligands”, M. Tsoukala, P.-C. Ioannou, C.P. Raptopoulou, V. Psycharis, G. Mitrikas, A.J. Simaan, P. Kyritsis, Athens Conference on Advances in Chemistry, 30 October – 2 November 2018, Athens.

10. Presentation of Dr E. Ferentinos entitled “Slow magnetic relaxation of mononuclear 3d-metal-ion complexes bearing imidodiphosphinato ligands”, E. Ferentinos, A. Grigoropoulos, P. Kyritsis, Athens Conference on Advances in Chemistry, 30 October – 2 November 2018, Athens.

11. Invited lecture entitled “Magnetostructural correlations in tetrahedral and octahedral Ni(II) complexes”, P. Kyritsis, Athens Conference on Advances in Chemistry, 30 October – 2 November 2018, Athens.

12. Invited lecture entitled “Teaching and research activities of the Laboratory of Inorganic Chemistry since its establishment”, 18 April 2018, Athens.

13. Poster presentation entitled “Synthesis and structural properties of the novel Co(II) octahedral complexes $[Co\{(OPPh_2)(EPPh_2)N\}_2(dmf)_2]$, E = S, Se, exhibiting slow relaxation of their magnetization”, E. Ferentinos, C.P. Raptopoulou, V. Psycharis, M. Xu, S.-D. Jiang, P. Kyritsis, 9th International Conference of the Hellenic Crystallographic Association (HeCrA), University of Patras, 5-7 October 2018.

14. Poster presentation entitled “Structural, spectroscopic and cytotoxic properties of Cu(II) complexes bearing $\{Ph_2P(O)NP(O)Ph_2\}^-$ and 2,2′-bipyridine as ligands”, M. Tsoukala, P.-C. Ioannou, E. Ferentinos, C.P. Raptopoulou, V. Psycharis, G. Mitrikas, M. Paravatou-Petsotas, C. Methenitis, A.J. Simaan, P. Kyritsis, Copper Bioinorganic Chemistry Symposium (CuBICS 2018), Aix-Marseille Université/CNRS, France, 21-24 May 2018, Marseille, France.

15. Invited lecture entitled “Magnetic properties of first series transition metal complexes bearing chalcogenated imidodiphosphinato ligands”, Final Scientific Workshop of the COST Action “Explicit control over spin states in technology and biochemistry”, 9-11 April 2018, Berlin, Germany.

16. Poster presentation entitled “A Molecular Ni-Complex Containing Tetrahedral Nickel Selenide Core As Highly Efficient Electrocatalyst for Water Oxidation”, J. Masud, M. Nath, P. Kyritsis, 231st Electrochemical Society Meeting, 28 May – 1 June 2017, New Orleans, USA.

17. Poster presentation entitled “Structural, spectroscopic, DNA-binding and cytotoxic properties of copper(II) complexes with $Ph_2P(O)NHP(O)Ph_2$ and various diimines”, M. Tsoukala, P.-C. Ioannou, C.P. Raptopoulou, V. Psycharis, G. Mitrikas, M. Paravatou-Petsotas, C. Methenitis, P. Kyritsis, 6th Scientific Workshop of the COST Action “Explicit control over spin states in technology and biochemistry”, 30-31 March 2017, Lisbon, Portugal.

18. Poster presentation entitled “Homogeneous and heterogenized palladium catalysts with aminophosphine ligands”, I. Stamatopoulos, K.A. Vallianatou, M. Roulia C.P. Raptopoulou, V. Psycharis, I.D. Kostas, P. Kyritsis, 22nd Panhellenic Conference in Chemistry, 2-4 December 2016, Thessaloniki, Greece.

19. Poster presentation entitled “Structural, spectroscopic and catalytic properties of Ni(II) complexes containing the 2,2-diphenylphosphino-1,1-biphenyl ligand”, P.-C. Ioannou, K. Stergiou, J. Svoboda, J. Vohlídal, P. Kyritsis, Athens International Catalysis Symposium, 3-4 November 2016, Athens, Greece.

20. Poster presentation entitled “Catalytic applications of immobilized Pd(II) complexes”, I. Stamatopoulos, M. Kapsi, M. Roulia, G.C. Vougioukalakis, I.D. Kostas, L. Kollár, P. Kyritsis, Athens International Catalysis Symposium, 3-4 November 2016, Athens, Greece.

21. Invited lecture entitled “Catalytic reactivity of transition metal complexes bearing chalcogenido-imidodiphosphino and bis(phosphino)amine chelating ligands”, Athens International Catalysis Symposium, 3-4 November 2016, Athens, Greece.

22. Invited lecture entitled “Mononuclear Single Molecule Magnets: The Case of Mn(III), Co(II) and Fe(II) Complexes Bearing Imidodiphosphinato Type of Ligands”, 6th Workshop on Current trends in Molecular and Nanoscale Magnetism, 9-13 October 2016, Pylos, Greece.

23. Poster presentation entitled “Structural, spectroscopic, DNA-binding and cytotoxic properties of [Cu{$Ph_2P(O)NP(O)Ph_2$-*O*}$_2$(2,2′-bipy)(H_2O)]”, M. Tsoukala, P.-C. Ioannou, C.P. Raptopoulou, V. Psycharis, G. Mitrikas, M. Paravatou-Petsotas, C. Methenitis, P. Kyritsis, 5th Scientific Workshop of the COST Action “Explicit control over spin states in technology and biochemistry”, 7-8 September 2016, Krakow, Poland.

24. Invited lecture entitled “Mononuclear Single-Molecule Magnets: The case of Mn(II), Fe(II) and Co(II) complexes bearing imidodiphosphinato chelating ligands” 4th Scientific Workshop of the COST Action “Explicit control over spin states in technology and biochemistry”, 13-15 April 2016, Prague, Czech Republic.

25. Lecture at the University of Athens, entitled “Studying transition metal complexes: The teaching and research legacy of Professor George Pneumatikakis”, 2nd December, 2015.

26. Poster presentation entitled “Structural, spectroscopic and catalytic properties of Ni(II) complexes containing (P,P) chelating ligands”, P.C. Ioannou, K. Stergiou, I. Stamatopoulos, C.P. Raptopoulou, V. Psycharis, J. Svoboda, J. Vohlídal, P. Kyritsis, 3rd Scientific Workshop of the COST Action “Explicit control over spin states in technology and biochemistry”, 24-25 August 2015, Belgrade, Serbia.

27. Invited lecture entitled “Magnetostructural correlations in M(II), M = Fe, Co, Ni and Mn(III) complexes bearing the $[R_2P(E)NP(E)R_2]^-$ chelating ligands”, 6th North America-Greece-Cyprus workshop on paramagnetic materials, Athens, 3-6 June 2015.

28. Invited lecture entitled “Magnetostructural correlations in tetrahedral $[M^{(II)}\{(EP^iPr_2)_2N\}_2]$, M = Fe, Co, Ni; E = S, Se, and octahedral $[Mn(^{III}\{(OPPh_2)(OPPh_2)N\}_3]$ or *trans*-$[Ni^{(II)}\{(OPPh_2)(EPPh_2)N\}_2(sol)_2]$, E = S, Se; sol = dmf, thf, dmso, complexes”, 2nd Scientific Workshop of the COST Action “Explicit control over spin states in technology and biochemistry”, 12-13 January 2015, Marseille, France.

29. Short presentation of the research group in the kick-off meeting of the COST Action “Explicit control over spin states in technology and biochemistry”, 22-23 September 2014, Girona, Spain.

30. Poster presentation entitled “Spin relaxation properties of a mononuclear S=2 $Mn^{III}O_6$-containing complex”, P. Kyritsis, A. Grigoropoulos, Y. Sanakis, M. Pissas, V. Psycharis, J. Krzystek, “Challenges in Inorganic and Materials Chemistry ISACS13”, 1-4 July 2014, Dublin, Ireland.

31. Poster presentation entitled “Spin Relaxation in a mononuclear Mn^{III} (S=2) complex”, Y. Sanakis, M. Pissas, V. Psycharis, A. Grigoropoulos, P. Kyritsis, J. Krzystek, “5th workshop on current trends in molecular and nanoscale magnetism”, 26-29 May 2014, Larnaca, Cyprus.

32. Short presentation entitled “The Periodic Table and the Chemistry of Life”, in the School “New Generation Ziridi”, during its activities “Chemistry on Stage”, 7 May 2014.

33. Invited lecture entitled “Structural, electronic and catalytic properties of metal complexes bearing P-N-P ligands”, Department of Chemistry, University of Missouri, Nov 4, 2013.

34. Invited lecture entitled “Structural, electronic and catalytic properties of metal complexes bearing P-N-P ligands”, Department of Chemistry, Florida International University, Nov 1, 2013.

35. Invited lecture entitled “Structural, electronic and catalytic properties of metal complexes bearing P-N-P ligands”, Department of Chemistry, Florida State University, Oct 22, 2013.

36. Invited lecture entitled “Magnetostructural correlations in tetrahedral and octahedral Ni(II) complexes”, 42nd Southeastern Magnetic Resonance Conference, Tallahassee, Florida, Oct 11-13, 2013.

37. Invited lecture entitled “Investigating metalloproteins and metal complexes bearing M–E bonds, M = Mn, Fe, Co, Ni, Cu, Zn; E = O, S, Se, Te”, University of North Florida, Sep 20, 2013.

38. Invited lecture entitled “Magnetostructural correlations in tetrahedral and octahedral Ni(II) complexes”, XXIV International Conference on Coordination and Bioinorganic Chemistry, Smolenice, Slovakia, June 2-7, 2013.

39. Invited lecture entitled “Structural, electronic and catalytic properties of metal complexes bearing P-N-P ligands”, IBMCB, National Research Foundation, Dec 5, 2012.

40. Poster presentation entitled “Direct observation of large Zero Field splitting in a tetrahedral Ni(II) complex”, S.-D. Jiang, S. Haas, L. Bogani, M. Dressel, N. Levesanos, D. Maganas, P. Kyritsis, 13th International Conference on Molecule-Based Magnets (ICMM), Orlando, USA, Oct 7-11, 2012.

41. Invited lecture entitled “Magnetostructural correlations in tetrahedral and octahedral $Ni^{(II)}$ complexes bearing chelating ligands and coordinated solvent molecules”, P. Kyritsis, D. Maganas, E. Ferentinos, N. Levesanos, C.P. Raptopoulou, A. Terzis, V. Psycharis, 6th International Conference of the Hellenic Crystallographic Association, Sep 28-29, 2012.

42. Poster presentation entitled “Catalytic activity of Pd(II) complexes, bearing diphosphinoamine ligands, in homogeneous and heterogeneous systems”, P. Kyritsis, I. Stamatopoulos, K.A. Vallianatou, M. Roulia, I.D. Kostas, P. Kyritsis, “XXV International Conference on Organometallic Chemistry”, Lisbon, Portugal, Sep 2-7, 2012.

43. Lecture at the University of Leiden, The Netherlands, entitled “EPR studies on transition metal complexes containing chalcogenated imidodiphosphinato ligands”, March 26, 2012.

44. Invited lecture entitled “Magneto-structural correlations in octahedral S=1 Ni(II) complexes, by magnetization, HFEPR and theoretical studies”, 4th North America-Greece-Cyprus workshop on paramagnetic materials, Patras, June 4-18, 2011.

45. Lecture in the Department of Chemistry entitled “The Periodic Table of Primo Levi” dedicated to the International Year of Chemistry, Athens, June 1, 2011.

46. Lecture entitled “Electronic and catalytic properties of metal complexes bearing P-N-P ligands”, Institute of Theoretical and Physical Chemistry, National Research Foundation, May 18, 2011.

47. Invited lecture entitled “Investigating the electronic and catalytic properties of Ni(II) and Pd(II) complexes bearing P-N-P ligands”, P. Kyritsis, WGs Meeting, COST CM0802 Phosphorus Science Network, Münster, March 30, 2011.

48. Poster presentation entitled “Catalytic reactivity of Ni(II) and Pd(II) complexes, bearing diphosphinoamine ligands, in homogeneous and heterogeneous systems”, I. Stamatopoulos, D. Giannitsios, M. Kapsi, M. Roulia, L. Kollár, K.A. Vallianatou, I.D. Kostas, P. Kyritsis, 8th European Workshop on Phosphorus Chemistry, Münster, Germany, March 28-29, 2011.

49. Poster entitled “Catalytic reactivity of Ni(II) and Pd(II) complexes, bearing diphosphinoamine ligands, in homogeneous and heterogeneous system”, I. Stamatopoulos, D. Giannitsios, M. Kapsi, M. Roulia, L. Kollár, K.A. Vallianatou, I.D. Kostas, P. Kyritsis, 11th Hellenic Symposium on Catalysis, Athens, Oct 22-23, 2010.

50. Poster entitled “Catalytic reactivity of Ni(II) and Pd(II) complexes, bearing diphosphinoamine ligands, in homogeneous and heterogeneous systems”, I. Stamatopoulos, D. Giannitsios, M. Kapsi, M. Roulia, L. Kollár, K.A. Vallianatou, I.D. Kostas, P. Kyritsis, Asymmetric Catalysis Workshop, Athens, Oct 4-6, 2010.

51. Lecture entitled “Transition metal complexes with P-N-P ligands”, P. Kyritsis, WGs Meeting, COST CM0802 Phosphorus Science Network, Budapest, March 27, 2010.

52. Poster presentation entitled “High-resolution structures of several 2[4Fe-4S] ferredoxins explain the reduction potential of [4Fe-4S] clusters”, I.M. Mavridis, P. Giastas, E. Saridakis, P. Kyritsis, J.-M. Moulis, Structural Biology and Chemistry Symposium, Athens, Oct 30-31, 2009.

53. Invited lecture entitled "The $Ni[(SPR_2)_2N]_2$ complexes (R=Ph & ^{i}Pr) revisited: delocalization of spin density onto the ligands and structural consequences", D. Maganas, A. Grigoropoulos, N. Levesanos, S. Staniland, N. Robertson, P. Kyritsis, Cost D35 Workshop "Dithiolenes and non-innocent redox-active ligands, Athens, June 17-19, 2009.

54. Poster entitled "The merohedrally twin structure of the *Escherichia coli* ferredoxin at 1.65 Å", P. Giastas, G. Efthymiou, P. Kyritsis, J.-M. Moulis, I.M. Mavridis, 4th Meeting of the Hellenic Crystallographic Society, Athens, Sep 26-27, 2008.

55. Invited lecture entitled "Structural and magnetic properties of the $Ni^{II}[R_2P(E)NP(E)R_2]_2$ complexes (E =O, S, Se, Te; R = Ph, ^{i}Pr): Stereoisomerism and geometric transformations upon solvent coordination", P. Kyritsis, N. Levesanos, E. Ferentinos, D. Maganas, C.P. Raptopoulou, A. Terzis, 4th Meeting of the Hellenic Crystallographic Society, Athens, Sep 26-27, 2008.

56. Lecture entitled "High resolution X-ray structures of 2[4Fe-4S] ferredoxins: Influence of the protein and solvent environment on the reduction potential of [4Fe-4S] clusters", E. Saridakis, P. Giastas, G. Efthymiou, V. Thoma, P. Kyritsis, J.-M. Moulis, I.M. Mavridis, 4th Meeting of the Hellenic Crystallographic Society, Athens, Sep 26-27, 2008.

57. Lecture entitled "Vinyl Polymerization of Norbornene with a Novel Ni(II) Diphosphinoamine / Methylaluminoxane Catalytic System", G.C. Vougioukalakis, N. Petzetakis, M. Pitsikalis, N. Hadjichristidis, I. Stamatopoulos, P. Kyritsis, A. Terzis, C. Raptopoulou, 7th Hellenic Polymer Conference, Sep 28 – Oct 1, 2008, Ioannina, Greece.

58. Poster entitled "Air-stable unsymmetrical nickel 1,2-dithiolene complexes as candidate materials for optics and electronics" , G.C. Papavassiliou, G.C. Anyfantis, A. Terzis, C.P. Raptopoulou, V. Psycharis, P. Kyritsis, P. Paraskevopoulou, International Conference on the Science and Technology of Synthetic Metals (ICSM08) (2008, Pernambuco, Brazil).

59. Poster entitled "Air-stable unsymmetrical nickel 1,2-dithiolene complexes as candidate materials for optics and electronics", G.C. Papavassiliou, G.C. Anyfantis, A. Terzis, V. Psycharis, C.P. Raptopoulou, P. Kyritsis, P. Paraskevopoulou and Y. Takahashi, Solid State Chemistry Conference 2008 (Cancun, Mexico).

60. Invited lecture in the 2nd North America-Greece-Cyprus workshop on paramagnetic materials, με τίτλο "Electronic properties of $M^{II}[R_2P(S)NP(S)R_2]_2$ complexes (M = Mn, Fe, Co, Ni,Cu, Zn; R = Ph, ^{i}Pr", Syros, Greece, June 17-21, 2007.

61. Lecture at the Institute of Organic & Pharmaceutical Chemistry, The National Hellenic Research Foundation, entitled "Studying M–S bonds in chemical and biological systems (M = Mn, Fe, Co, Ni, Cu)", Feb 27, 2007.

62. Lecture entitled "Homogeneous catalysis with coordination compounds containing novel ligands", I.D. Kostas, K.A. Vallianatou, B.R. Steele, K. Chatziapostolou, D. Symeonidis, A. Grigoropoulos, P. Kyritsis, D. Kovala-Demertzi, S.V. Amosova, A.

Borner, J. Holz, J. Vohlidal, G.S. Hanan, 9th Hellenic Symposium on Catalysis, Leukada, Oct 6-7, 2006, p. 144-147.

63. Lecture at the Institute of Physical Chemistry, NCRS Demokritos, entitled "Studying M–S bonds (M = Mn, Fe, Co, Ni, Cu) in chemical and biochemical systems", Oct 13, 2006.

64. Poster entitled "A multi-frequency EPR study of $Co^{II}S_4$ coordination", at the 6th European Federation of EPR groups meeting, S. Milikisyants, D. Maganas, H. Blok, P. Gast, A. Grigoropoulos, P. Kyritsis, G. Pneumatikakis, J.M.A. Rijnbeek, S. Sottini, E.J.J. Groenen, OT 2 (Book of Abstracts).

65. Poster entitled "The structure of the 2[4Fe-4S] ferredoxin from *Pseudomonas aeruginosa* at 1.32 Å resolution", P. Giastas, N. Pinotsis, G. Efthymiou, P. Kyritsis, I.M. Mavridis, 3rd Meeting of the Greek Crystallographic Society, Patras, Oct 15-16, 2004.

66. Invited lecture entitled "NMR, HF-EPR, XAS and magnetic properties of tetrahedral $M^{II}S_4$-containing complexes (M = Mn, Fe, Co, Ni)", D. Maganas, A. Grigoropoulos, S. Milikisyants, E.J.J. Groenen, S.S. Staniland, N. Robertson, P. Kyritsis, G. Pneumatikakis, 3rd Meeting of the Greek Crystallographic Society, Patras, Oct 15-16, 2004.

67. Poster entitled "Structural, spectroscopic and magnetic properties of $M[(EPR_2)_2N]_2$ complexes, M=Mn, Co, E=S, Se, R=Ph, ^{i}Pr. Covalency of M-S bonds from experimental data and theoretical calculations", at the "Spectroscopy and Theory Meeting", D. Maganas, S.S. Staniland, A. Grigoropoulos, N. Robertson, E.J.J. Groenen, P. Kyritsis, Jan 30-31, 2006, Lunteren, The Netherlands.

68. Poster entitled "Structural, spectroscopic and theoretical studies on MS_4 cores, in transition metal complexes (M = Mn, Co, Ni), with respect to the covalent character of M-S bonds", D. Maganas, S.S. Staniland, A. Grigoropoulos, S. Milikisyants, N. Robertson, E.J.J. Groenen, P. Kyritsis, at the "Recent Progress in Magnetic Resonance Methods", Sep 18-22, Sollerhaus, Hirschbegg, Austria.

69. Poster entitled "Structure of the 2[4Fe-4S] ferredoxin from *Pseudomonas aeruginosa* at 1.32 Å resolution", I.M. Mavridis, P. Giastas, N. Pinotsis, G. Efthymiou, M. Wilmanns, J.-M. Moulis, P. Kyritsis, XX Congress of the International Union of Crystallography, Aug 23-31, 2005, Florence.

70. Poster entitled "Old ligands with new coordination chemistry: Co(II), Co(II/III) and Ni(II) clusters featuring 2-pyridyloximates", T.C. Stamatatos, C.P. Raptopoulou, A. Terzis, R. Vicente, A. Escuer, P. Kyritsis, S.P. Perlepes, 8th FIGIPAS Meeting, July 6-9, Athens.

71. Invited lecture entitled "Structural and electrochemical properties of 2[4Fe-4S] ferredoxins", P. Kyritsis, G. Efthymiou, P. Giastas, I.M. Mavridis, N. Pinotsis, M. Willmanns, J.-M. Moulis, 8th FIGIPAS Meeting, July 6-9, 2005, Athens.

72. Lecture at the University of Leiden, entitled "Studying M-S bonds in chemical and biological systems", June 23, 2005.

73. Poster entitled "Oxo-complexes of Mo with 2-merkapto-N-heterocyclic compounds, as analogues of the active centre in molybdoenzymes" A. Grigoropoulos, D. Maganas, A. Cowley, P. Kyritsis, G. Pneumatikakis, 8th Chemistry Meeting Greece-Cyprus, Thessaloniki, Dec 2004.

74. Poster entitled "Structure of the 2[4Fe-4S] ferredoxin from *Pseudomonas aeruginosa*", P. Giastas, N. Pinotsis, G. Efthymiou, M. Wilmanns, J. M. Moulis, P. Kyritsis & I.M. Mavridis, 2nd Meeting of the Greek Crystallographic Society, Athens, Oct 15-16, 2004.

75. Poster entitled "Structural, spectroscopic and theoretical studies on $M^{II}S_4$ (M = Mn, Co, Ni) or $Cu^{I}S_3$ containing complexes", D. Maganas, A. Grigoropoulos, S. Staniland, N. Robertson, P. Kyritsis, G. Pneumatikakis, 2nd Meeting of the Greek Crystallographic Society, Athens, Oct 15-16, 2004.

76. Poster entitled "Synthesis of Rh(I) complexes with the $[\{Ph_2P(S)\}_2N]^-$ ligand and investigations on its catalytic properties in the ydroformylation of styrene", D. Symeonidis, D. Maganas, A. Grigoropoulos, P. Giastas, A. Cowley, I.D. Kostas, P. Kyritsis, G. Pneumatikakis, 1st Conference on hydrogen technologies, Athens, Sep 30 – Oct 2, 2004.

77. Poster at the Conference of EMBL, Hamburg, entitled: "High resolution structural information on 2[Fe-4S] ferredoxins from *Pseudomonas aeruginosa* and *Escherichia coli*. Do they correlate with their unusual redox properties?", P. Giastas, N. Pinotsis, G. Efthymiou, M. Wilmanns, J. M. Moulis, P. Kyritsis, I. M. Mavridis, Sep 15, 2004.

78. Lecture at the Institute of Organic & Pharmaceutical Chemistry, The National Hellenic Research Foundation, entitled "Redox properties of new [4Fe-4S] ferredoxins of some pathogenic bacteria", March 16, 2004.

79. Poster entitled "Intramolecular electron transfer in 2[4Fe-4S] ferredoxins", G. Efthymiou, P. Kyritsis, R. Kummerle, J, Gaillard, J.-M. Moulis, Inorganic Reaction Mechanisms Meeting, Jan 8-10, 2004, Athens, p. P11.

80. "Redox properties of 2[4Fe-4S] ferredoxins of some pathogenic bacteria", G. Efthymiou, K. Tserpistali, P. Kyritsis, J.-M. Moulis, Proceedings of the 55th Meeting, Hellenic Society of Biochemistry and Molecular Biology, 2003, **50**, 153-157.

81. Invited lecture at the "7th FIGIPS Meeting in Inorganic Chemistry", for the symposium "Electron Transfer Processes", entitled "Intramolecular electron transfer in 2[4Fe-4S] ferredoxins", Lisbon, June 11-15, 2003.

82. 19th Hellenic Chemistry Conference, Crete, Nov 6-10, 2002. Oral presentation: "Unusual redox properties of 2[4Fe-4S] ferredoxins", P. Kyritsis, K. Tserpistali, J.-M. Moulis.

83. 19th Hellenic Chemistry Conference, Crete, Nov 6-10, 2002. Poster presentation: "Synthesis of mononuclear complexes of Mo with the ligand imidobis(diphenylophosphine sulphide), as analogues of the acive sites of molybdoenzymes", K. Vallianatou, D. Maganas, A. Grigoropoulos, P. Kyritsis, G. Pneumatikakis.

84. XX International conference on Organometallic Chemistry, Corfu, July 7-12, 2002, Poster presentation: "Rh(I) complexes with the ligand imidobis(diphenylophosphine sulphide), and their catalytic activity in the hydroformylation of styrene", D. Simeonidis, A. Grigoropoulos, I.D. Kostas, P. Kyritsis, S. Koinis and G. Pneumatikakis.

85. Invited lecture at the "6th FIGIPS Meeting in Inorganic Chemistry" for the session "Metalloproteins and Synthetic Models of Metallobiomolecules", abstract in p. 27 of the book of abstracts, Barcelona, July 15-20, 2001.

86. Lecture at the University of Athens, entitled "Electron transfer in biological systems", June 11, 2001.

87. Lecture at the University of Athens, entitled "Electron transfer in biological systems", Sep 16, 1999.

88. Poster presentation in the 5th International Symposium on Applied Bioinorganic Chemistry, entitled "Catalytic reductive dehalogenation by molecular variants of Cytochrome P450cam", P. Kyritsis, M.E. Walsh, N.A.J. Eady, L.-L. Wong and H.A.O. Hill, Corfu, Greece, April 13-20, 1999.

89. Lecture entitled "Redox properties of 2[4Fe-4S] ferredoxins and Cytochrome $P450_{cam}$ studied by site-directed mutagenesis, electrochemistry and spectroscopy", presented in the Department of Chemistry, University of Sussex, Feb 23, 1999.

90. Participation to a symposium about "Protein engineering and electron transfer", Imperial College, London, Nov 5, 1998.

91. Participation to the "4th International Symposium: Cytochrome P450 biodiversity and biotechnology", July 12-14, Strasbourg, France.

92. Lecture entitled "Site-directed mutagenesis and spectroscopies show that a family of 2[4Fe-4S] ferredoxins have clusters with largely different reduction potentials", presented in the "Spring 1998 Meeting on Iron-Sulfur Proteins", organised by Professor R. Cammack, Kings College London, May 1, 1998.

93. Poster presentation in the meeting "Chemistry of metals in biological systems" organised by the "Society of Biological Inorganic chemistry" / "European Science Foundation", entitled "Intramolecular electron transfer in native and genetically modified 2[4Fe-4S] ferredoxins", P. Kyritsis, J.G. Huber, I. Quinkal, J. Gaillard and J.-M. Moulis, Tomar, Portugal, May 7-11, 1997.

94. Poster presentation, in the NATO/ESF workshop "Biological electron transfer chains: genetics, composition and mode of operation", entitled "Intramolecular electron

transfer in native and genetically modified 2[4Fe-4S] ferredoxins", P. Kyritsis, J.G. Huber, I. Quinkal, J. Gaillard and J.-M. Moulis, Tomar, Portugal, May 3-7, 1997.

95. Lecture in the Department of Chemistry, University of Ioannina, Greece, entitled "Electron transfer in biological systems: reactivity of some Cu-proteins and 2[4Fe-4S] ferredoxins", April 7, 1997.

96. Lecture in the Department of Biology, N.R.C. "Demokritos", Athens, entitled "Electron transfer in biological systems: reactivity of some Cu-proteins and 2[4Fe-4S] ferredoxins", April 2, 1997.

97. Lecture in the Meeting of the CNRS group "GDR - Metalloproteines et analogues de synthese", entitled "Long-range electron-transfer between [4Fe-4S] clusters", P. Kyritsis, J.G. Huber, I. Quinkal, J. Gaillard and J.-M. Moulis, Toulouse, Jan 19-22, 1997.

98. Invited lecture at the 3rd EUROBIC, Aug 4-10, 1996, Noordwijkerhout, The Netherlands, of a poster entitled "Intramolecular electron-transfer in 2 [4Fe-4S] ferredoxins", P. Kyritsis, J.G. Huber, J. Gaillard and J.-M. Moulis, A22.

99. COST Workshop "Hydrogenase structures and functional implications", Grenoble, May 3-5, 1996.

100. Poster presentation at the meeting of the CNRS group "GDR - Metalloproteines et analogues de synthese", Giens (France), March 27-29 1996, "Intramolecular electron-transfer in 2 [4Fe-4S] ferredoxins", P. Kyritsis, J.G. Huber, J. Gaillard and J.-M. Moulis.

101. Lecture in the meeting of the CNRS group "GDR - Metalloproteines et analogues de synthese", entitled "Study of intramolecular electron transfer in 2 [4Fe-4S] ferredoxins", Grenoble, Dec 11-12, 1995.

102. Abstract for the "International Conference on Bioinorganic Chemistry" (ICBIC 7), Lubeck, Germany, Sep 3-8, 1995, "Electron transfer reactions of pseudoazurin with cytochromes", T. Kohzuma, M. Yamada, S. Suzuki, Deligeer, P. Kyritsis and A.G. Sykes, *J. Inorg. Biochem.*, 1995, **59**, 260.

103. Lecture entitled "Electron transfer in biological systems involving type 1 copper centers", at the Department of Biochemistry and Biophysics, Chalmers University of Technology and University of Göteborg, March 10, 1995.

104. I attended the "Inorganic Mechanisms Discussion Group" UK Symposium, Royal Society of Chemistry, Dalton Division: University of Newcastle, Jan 5-7, 1995.

105. Poster presentation at the 2nd EUROBIC, Aug 30 - Sep 4, 1994, Florence, Italy, "The Redox Reactivity of the Type 1 (Blue) Copper Protein Amicyanin from *Thiobacillus versutus* with Small Inorganic Complexes by Kinetic and ^{1}H NMR Studies", P. Kyritsis, C. Dennison, W. McFarlane and A.G. Sykes, p. 205.

106. European Union Network Meeting funded by the Human Capital and Mobility Programme, "MADH Redox Chain of *Thiobacillus versutus*." Lecture entitled "The Redox Reactivity of the Type 1 (Blue) Copper Protein Amicyanin from *Thiobacillus versutus* with Small Inorganic Complexes by Kinetic and ^{1}H NMR Studies", University of Leiden, Jan 16-17, 1994.

107. "Protein Structure, Function and Design", International Summer School on Molecular and Cellular Biology, Aug 30 - Sep 12, 1993, Spetsai, Greece.

108. Abstract for the European Science Foundation Workshop on Type 1 Copper Sites, held in Leiden, July 1992, entitled "Electron-Transfer Reactions of Plastocyanin Mutants", A.G. Sykes, P. Kyritsis, L.G. Lundberg, M. Nordling, T. Vänngård; and S. Young, abstract in p. 53 of the book of abstracts.

109. Abstract for the Symposium on Cu Coordination Chemistry - Bioinorganic Perspectives, Baltimore, Maryland, Aug 3-7, 1992, entitled "Electron-Transfer Reactions of Blue Copper Proteins", A.G. Sykes, P. Kyritsis, L.G. Lundberg, M. Nordling, T. Vänngård; and S. Young, *J. Inorg. Biochem.*, 1992, **47**, 32.

110. Poster presentation at the 1st EUROBIC (European Conference on Bioinorganic Chemistry), Newcastle-upon-Tyne, June 8-12, 1992: "Characterization of Site Specific Mutants of Spinach Plastocyanin", S. Young, D.S. Bendall, O. Hansson, P. Kyritsis, L.G. Lundberg, S. Modi, M. Nordling, K. Sigfridsson and A.G. Sykes, abstract in p. 53 of the book of abstracts.

111. As part of my final year PhD studies I represented the University of Newcastle with a presentation entitled "Electron-transfer reactivity of the type 1 (blue) copper protein plastocyanin: studies on genetically engineered mutant forms", in the following meetings: i) Graduate Symposium, North-East Universities, Durham, Apr 3, 1992, ii) University of Strathclyde Inorganic Club Conference, St. Andrews, June 11-12, 1992.

112. Inorganic Biochemistry Discussion Group, 1992 Spring Meeting on Metalloproteins, Apr 14-15, University of Edinburgh.

113. Poster presentation at the "V International Conference on Bioinorganic Chemistry", Oxford, Aug 4-10, 1991: "Self-Exchange Rate Constants for Acidic and Basic Plastocyanins from Cross Reaction Studies", P. Kyritsis, K. Govindaraju, C. Dennison, A.G. Sykes, *J. Inorg. Biochem.*, 1991, **43**, 96.

114. Lecture entitled "Electron-Transfer Reactivity of the Type 1 (Blue) Copper Protein Plastocyanin", at the Department of Biochemistry and Biophysics, Chalmers University of Technology and University of Göteborg, during a six-week visit, March-April 1991.

115. Abstract for the 200th ACS National Meeting, entitled "Inter- and Intra-molecular Electron-Transfer Reactions of Plastocyanin", P. Kyritsis, K. Govindaraju and A.G. Sykes, Washington D.C., Aug 26-31, 1990, (page P. 106).

116. I attended the “XXIV International Conference on Coordination Chemistry”, Athens, Aug 24-29, 1986.