



ATHANASSIOS I. PHILIPPOPOULOS

ASSOCIATE PROFESSOR

LABORATORY OF INORGANIC CHEMISTRY, DEPARTMENT OF CHEMISTRY,
NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS, GREECE

Email: atphilip@chem.uoa.gr

Tel.: +30 210 727 467

Web: http://www.chem.uoa.gr/?page_id=3558

EDUCATION

- 1992 Diploma: Chemistry, University of Ioannina, Greece
- 1997 PhD: University of Ioannina, Chemistry Department, Title: "Synthesis and Characterization of new Organometallic compounds of Rh, Co incorporating the ligand $C_5H_5(CH_2)_2N(CH_3)_2$, with possible Catalytic and Anticancer activities".

RESEARCH INTERESTS

Synthetic Coordination - Organometallic Chemistry. Design, synthesis and characterization of new molecular materials with specific properties and applications in (i) Energy conversion (Dye sensitized solar cells) (ii) Bio-inorganic chemistry / metal based drugs and (iii) Homogeneous catalysis (transfer hydrogenation, etc.)

ACADEMIC POSITIONS HELD

- 7/2022 Associate Professor, Department of Chemistry, National and Kapodistrian University of Athens, Greece
- 4/2016- Assistant Professor, Department of Chemistry, National and Kapodistrian University of Athens, Greece (Permanent position)
- 6/2011-/2016 Assistant Professor, Department of Chemistry, National and Kapodistrian University of Athens, Greece
- 11/2006-4/2011 Lecturer, Department of Chemistry, National and Kapodistrian University of Athens, Greece
- 3/2003-6/2006 Research Associate "D", Institute of Physical Chemistry, NCSR "Demokritos, Greece
- 6/1999-2/2003 Postdoctoral fellow, Department. of Chemistry, Humboldt University of Berlin, Germany
- 1998-1999 Research Associate, Department of Chemistry, University of Ioannina, Greece.

TEACHING

UNDERGRADUATE COURSES

- General Inorganic Chemistry, Department of Physics. 2007-2011, 2012-2013.
- General Inorganic Chemistry, Department of Biology. 2009-2010.
- General Inorganic Chemistry, Department of Geology. 2017-2018
- Inorganic Chemistry II, Department of Chemistry. Since 2013.
- Organometallic chemistry, Department of Chemistry. Since 2010
- Laboratory of Inorganic Chemistry I, Department of Chemistry. 2006-2012.
- Laboratory of Inorganic Chemistry I, Department of Physics. 2007-2009.
- Laboratory of Inorganic Chemistry I, Department of Biology, 2007-2010.
- Laboratory of Inorganic Chemistry I, Department of Geology. since 2012.
- Laboratory of Inorganic Chemistry II, Department of Chemistry. since 2006.
- Laboratory of Inorganic Chemistry III, Department of Chemistry. 2012-2013

POSTGRADUATE COURSES

- Advanced Inorganic Chemistry, Department of Chemistry. Since 2010

Laboratory Techniques for the Separation of Substances and Structure Determination, Department of Chemistry. Since 2010.

Chemistry of Mineral Resources, Department of Chemistry. 2007-2010.

Structure and Reactivity, Department of Chemistry. 2016-2018.

Biocatalysis, Department of Chemistry. 2014-2018.

AWARDS

- Fellowship, Institute of Physical Chemistry, NCSR "Demokritos, Greece, 3/3/2003-2006.
- IKYDA fellowship, 2003-2005.
- Fellowship, Graduiertenkolleg entitled: "Synthetische, Mechanistische und Reactionstechnische Aspekte von Metallkatalysatoren", TUB/HUB/FU, 1999-2000.
- Scholarship from the Dept. of Chemistry, University of Ioannina during my Ph.D (1994-1996, upon examination).
- "ERASMUS" Fellowship, 9/1993 - 6/1994.
- Scholarships from the French Government, Program PLATON, 9/1992-3/1993, 4/1996-6/1996.
- Scholarship from IKY (State scholarships Foundation), during my B.Sc. studies 1988-1990, (ranked over the top 5% of the year)

PROJECTS

- 2017-2019: Principal Investigator: Title: "Synthesis and characterization of Cu(I) complexes for applications in nanocrystalline solar cells" Source Hellenic Foundation for research and Innovation
- 2012-2015: Collaborative Researcher: Title: "Innovative materials for nanocrystalline solar cells", (Coordinator P. Lianos, University of Patras), Source: General Secretariat for Research and Technology of Greek Ministry of Education, Lifelong Learning and Religious Affairs under the THALES Research Programme.
- 2012-2015: Collaborative Researcher: Title: "Chelators used in clinical medicine can lead to the development and implementation of innovative cleaning methods for removing iron corrosion products from museum artefacts". (Coordinator A. Pournou., TEI of Athens), Source: General Secretariat for Research and Technology of Greek Ministry of Education, Lifelong Learning and Religious Affairs under the ARCHIMIDES Research Programme.
- 2004-2006: *Project Leader* of a Joint research and technology program Britain-Greece entitled: "Supramolecular cyclodextrin Ru complexes for nanocrystalline dye sensitised solar cells" Source: General Secretariat for Research and Technology of Greek Ministry of Education

PARTICIPATION IN CONFERENCE COMMITTEES

- 3rd Joint Greek-Italian Meeting on Chemistry of Biological Systems and Molecular Chemical Engineering, December» 19-21, 1994, Chemistry Department, Ioannina, Greece

REFEREE / EDITOR / EDITORIAL BOARD IN INTERNATIONAL JOURNALS

REFEREE

Inorganic Chemistry Communications , Inorganica Chimica Acta, European Journal of Medicinal Chemistry, Bioinorganic chemistry and applications, European Journal of Chemistry, Molecules, Journal of Hazardous Materials, Materials Chemistry and Physics, Journal of the Serbian Chemical Society, Journal of Industrial Textiles, Central Journal of Inorganic Chemistry, Journal of Coordination Chemistry, Thermochemica Acta, Sensor Letters, Journal of Taibah University for Science, JTUSCI, Walailak Journal of Science and Technology, ISRN Inorganic Chemistry Journal, PLOS ONE, Ionics, Polyhedron, Sensors and Actuators B: Chemical., Open chemistry, Journal of Advances in Biology & Biotechnology, ChemMedChem, Reaction Kinetics, Mechanisms and Catalysis, Chemical Physics Letters, Helyion, Journal of Molecular Modeling, Mini-Reviews in Medicinal Chemistry.

EDITOR / GUEST EDITOR / EDITORIAL BOARD

Open till 15 May 2023, Guest Editor for *Molecules*, Special Issue,
https://www.mdpi.com/journal/molecules/special_issues/antiplatelet_anti-inflam

PATENTS

National patent 1006959, title: "Platelet Activating Factor (PAF) inhibitors with possible antitumor activity"

ADDITIONAL INFORMATION

- Publications in referred Journals and special volumes: **50**
- Presentations in Conferences: > **65**
- Number of Hetero citations: **1138** (WOS), h factor **18**
- PhD Thesis supervision: **6**
- MSc. Thesis supervision: **12**
- BSc Thesis supervision: **31**
- Referee for Journals: **30**
- Scientist in Charge in **4** Research Projects
- Participation in **14** research Projects and in **2** infrastructure Project
- Referee for Research Projects: >**30** (State Scholarship foundation, Hellenic academic Ebooks repository Kallipos, ESPA)

SELECTED PAPERS

1. "A Review on Platelet Activating Factor Inhibitors: Could a New Class of Potent Metal-Based Anti-Inflammatory Drugs Induce Anticancer Properties? ", V. D. Papakonstantinou, N. Lagopati, E. C. Tsilibary, C. A. Demopoulos, A. I. Philippopoulos*, *Bioinorganic Chemistry and Applications*, vol. 2017, Article ID 6947034, 19 pages, 2017. doi:10.1155/2017/6947034
2. "Facile synthesis of a 2-(2'-pyridyl)-4-(methylcarboxy)quinoline ruthenium(II) based catalyst precursor for transfer hydrogenation of aromatic ketones", E. Kolovou, A. Peppas, N. Zacharopoulos, K. Koukoulakis, E. Bakeas, G. Schnakenburg, A.I. Philippopoulos*, *Inorg. Chem. Commun.* 92 (2018), 64–68.
3. "Pyridyl based ruthenium(II) catalyst precursors and their dihydride analogues as the catalytically active species for the transfer hydrogenation of ketones", N. Zacharopoulos, E. Kolovou, A. Peppas, K. Koukoulakis, E. Bakeas, G. Schnakenburg, A.I. Philippopoulos, *Polyhedron* 154 (2018) 27-38.
4. A. Peppas, E. Papadaki, G. Schnakenburg, V. Magrioti, A.I. Philippopoulos, "Heteroleptic copper(I) complexes incorporating sterically demanding diazabutadiene ligands (DABs). Synthesis, spectroscopic characterization and solid-state structural analysis", *Polyhedron* **2019**, 171, 412-422.
5. "Synthesis, characterization of $((\text{CH}_3)_3\text{S})_2\text{SnI}_{6-n}\text{Cl}_n$ and $((\text{CH}_3)_3\text{S})_2\text{SnI}_{6-n}\text{Br}_n$ ($n = 1, 2$) perovskites and use in dye-sensitized solar cells", M.M.Elsenety, M. Antoniadou, A. Kaltzoglou, A.G.Kontos, A. I.Philippopoulos, C. A.Mitsopoulou, P. Falaras, *Materials Chemistry and Physics.*, 239 (2020) 122310.
6. A. Kalampalidis, A. Peppas, G. Schnakenburg, A. Papakyriakou, A. Tsoupras, I. Zabetakis, A.I. Philippopoulos, "Anti-thrombotic and anti-platelet activity of an organometallic rhodium(I) complex incorporating a substituted thieno-[2,3-*d*]-pyrimidine ligand. Synthesis, structural characterization and molecular docking calculations", *Appl. Organomet. Chem.* **2021**; e6210, <https://doi.org/10.1002/aoc.6210>.
7. A.Peppas, D. Sokalis, D. Perganti, G. Schnakenburg,P. Falaras, A. I. Philippopoulos, "Sterically demanding pyridine-quinoline anchoring ligands as building blocks for copper(I)-based dye-sensitized solar cells(DSSCs) complexes", *Dalton Trans.* 51 (2022) 15049-15066, "**hot article**", *A 'HOT' article contains research, which has been highlighted by reviewers as being interesting and significant research for the inorganic chemistry community.*