



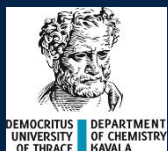
# Dr. Kalliopi Ladomenou

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**Expertise:** Design, Synthesis, Characterization of porphyrins and metal complexes used as photosensitizers, catalysts or biomimetic compounds for numerous applications. Synthesis of material type hybrids based on carbon dots. Photocatalytic H<sub>2</sub> production, CO<sub>2</sub> reduction, DSSC, medical applications, pollutant degradation.

## Research Activities:

- Design, preparation and study of metalloporphyrin complexes for use in **hydrogen production** and **CO<sub>2</sub> reduction**.
- Synthesis and study of bio-inspired photosynthetic systems for their use in **dye-sensitized solar cells**.
- Design and study of molecules as photosensitizers and as catalysts for various **environmental applications**.
- **Study of intermolecular interactions** of porphyrin systems with carbohydrates.
- **Biomimetic catalysis** and modeling of active centers of biological processes.
- New hybrid materials with applications in **nanotechnology**.
- Study and use of photosensitizers for **photodynamic treatment of microbial infections**, killing of unwanted pathogens in the environment and **oxidation of chemical pollutants**.
- New metalloporphyrin complexes able to **interact with biological molecules** (DNA, RNA) for **therapeutic purposes**.

## Education:

- **Ph.D.** in the Synthesis and physical Studies of porphyrin coordination compounds, Department of Chemistry, **University of Liverpool**, UK.
- **M.Sc.** in Inorganic Chemistry synthesis of photosensitizers with application in photovoltaic cells, Department of Chemistry, **University of Crete**, Greece.
- **B.Sc.** Department of Chemistry, **University of Crete**, Greece

### Previous Employment/Occupation:

- 2019 – 2021 Department of Chemistry, University of Crete – Research Associate (K.A.:10312) (ECO CRETE).
- 2014 – 2016 Department of Chemistry, University of Crete – Research Associate (K.A.:03746) «Synthesis and studies of Push-Pull type porphyrins: Potential applications in converting solar energy into electricity».
- 2009 – 2012 Department of Chemistry, University of Crete – Research Associate (K.A.: 02807) «Bio-inspired Solar Energy Utilization (BIOSOLENUTI) 229927».  
(<https://biosolenuti.gr/>)
- 2004 – 2006 Department of Chemistry, University of Crete – Research Associate (K.A.: 01949) «Energy conversion at the molecular level: Model compounds of cytochrome oxidase C for the reduction of molecular O<sub>2</sub> to H<sub>2</sub>O».
- 2002 – 2004 Department of Chemistry, University of Edinburgh, UK, Postdoctoral Researcher.
- 1999 – 2000 Department of Chemistry, University of Liverpool, UK, Laboratory Assistant.
- 06-09/1997 Université de Paris-Sud, France – Researcher.

### Participation in Research Projects:

1997-2024: Participation in 14 research projects funded by EU and National bodies.

### Publications:

- Publications in International Scientific Journals with judges: Total 43
- International Patent: Total 1
- Scopus, bibliographic base reports 1200 citations and *h-index* = 16  
(<https://www.scopus.com/authid/detail.uri?authorId=6506002039>)
- Textbooks - Teaching notes: Total 10
- Publications in International Conferences: Total 36

### Reviewer:

- Elsevier (Chinese Journal of Catalysis, Inorganic Chemistry Communications)
- Royal Society of Chemistry
- MDPI (Catalysts, Minerals, Nanomaterials, Processes, International Journal of Molecular Sciences)
- Springer (Environmental Science and Pollution Research)
- Science Direct (Inorganic Chemistry Communications)
- Innovation Forever (Journal of Modern Green Energy)

### Teaching Activities:

2022-Today: Undergraduate Courses

General Chemistry, Inorganic Chemistry I&II (Theory and Laboratory)

Postgraduate Courses

Heavy Metals in Natural Products (M.Sc. in Cosmetic Chemistry)

2004-2022: Lectures (Theory and Laboratory) related to General Chemistry, Inorganic Chemistry, Organic Chemistry, Food Chemistry, Analytical Chemistry, Biochemistry, Agricultural Chemistry at the Department of Chemistry, International Hellenic University, University of Crete, at the Hellenic Open University, at the Department of Agriculture, Hellenic Mediterranean University and at Minoan International College (all courses were in English).

### Conference Organization, Participation/Attendance:

- Participation at 36 international and national conferences
- Organization of 1 International Conference
- Organization of 3 Summer Schools

### Prizes/Honors:

- Award from prefecture of Crete (ECO CRETE) (KA: 10312)
- Award from State Scholarships Foundation (IKY) - LLP/ERASMUS (KA: 03453)
- Award FP7 (BIOSOLENUTI) (KA: 02807)
- Awards of Special Research Account of the University of Crete (EAKE) (KA:03129) and (K.A.:03746)
- Award of Life Learning Program Erasmus (IP), (K.A.:03333)
- Award of Royal Society of Chemistry for 1<sup>st</sup> European Conference
- Award of «Pythagoras» E.P.E.A.E.K II
- Award of EU for PhD in the UK
- Erasmus Award for Research work at University of Paris Sud.

### Professional Affiliations:

- Member of Association of Greek Chemists
- Member of Royal Society of Chemistry (AMRSC)
- Member of the Society of Porphyrins & Phthalocyanines
- Member of the University of Liverpool
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### Publication List:

1. "Urea porphyrins as simple receptors for sugars", **K. Ladomenou** and R. P. Bonar-Law, *Chemical Communications*, 2002, 2108.

2. "A strategic design to approach novel synthetic models for cytochrome c oxidase" A. G. Coutsolelos, **K. Ladomenou**, G. Charalambidis, *Journal of Porphyrin and Phthalocyanines*, 2006, 430.
3. "A strategic approach for the synthesis of new porphyrin rings, attractive for heme model purpose" **K. Ladomenou**, G. Charalambidis, A. G. Coutsolelos, *Tetrahedron*, 2007, 2882-2887.
4. "Synthesis and studies of a super-structured porphyrin derivative-a potential building block for CcO mimic models" G. Charalambidis, **K. Ladomenou**, B. Boitrel and A. G. Coutsolelos, *Eur. J. Org. Chem.*, 2009, 1263-1268.
5. "Spectroscopic and electrochemical studies of novel model compounds for cytochrome c oxidase" **K. Ladomenou**, G. Charalambidis, A. G. Coutsolelos, *Inorganica Chimica Acta*, 363, 10, 2201-2208, 2010.
6. "Porphyrins in Bio-inspired Transformations: Light-Harvesting to Solar Cell", Manas Panda, **Kalliopi Ladomenou**, Athanassios G. Coutsolelos, *Coordination Chemistry Reviews*, 256, 2012, 2601– 2627.
7. "Meso substituted porphyrin derivatives via Palladium catalyzed amination showing wide range visible absorption: Synthesis and photophysical studies" **Kalliopi Ladomenou**, Theodore Lazarides, Georgios Charalambidis, Athanassios G. Coutsolelos, *Inorganic Chemistry*, 2012, 51, 10548–10556.
8. "Synthesis, Characterization and Electronic Properties of trans-[4 (Alkoxy carbonyl)phenyl]porphyrin-[RuII(bpy)<sub>3</sub>]<sub>2</sub> Complexes or Boron–Dipyrrin Conjugates as Panchromatic Sensitizers for DSSCs", Christina Stangel, **Kalliopi Ladomenou**, Georgios Charalambidis, Manas K. Panda, Theodore Lazarides, and Athanassios G. Coutsolelos, *Eur. J. Inorg. Chem.* 2013, 1275–1286.
9. "CO and O<sub>2</sub> binding studies of new model complexes for CcO", **Kalliopi Ladomenou**, Georgios Charalambidis, Athanassios G. Coutsolelos, *Polyhedron*, 54, 2013, 47–53.
10. "New hybrid materials with porphyrin-ferrocene and porphyrin-pyrene covalently linked to single-walled carbon nanotubes", Solon P. Economopoulos, Angeliki Skondra, **Kalliopi Ladomenou**, Nikolaos Karousis, Georgios Charalambidis, Athanassios G. Coutsolelos and Nikos Tagmatarchis, *RSC Adv.*, 2013, 3, 5539-5546.
11. "The importance of various anchoring groups attached on porphyrins as potential dyes for DSSC applications", **K. Ladomenou**, T. N. Kitsopoulos, G. D. Sharma and A. G. Coutsolelos, *RSC Adv.*, 2014, 4, 21379.
12. "Photochemical hydrogen generation with porphyrin-based systems" **Kalliopi Ladomenou**, Mirco Natali, Elisabetta Iengo, Georgios Charalampidis, Franco Scandola, Athanassios G. Coutsolelos, *Coordination Chemistry Reviews*, 304-305, 2014,38.
13. "Donor- $\pi$ -acceptor, triazine-linked porphyrin dyads as sensitizers for dye-sensitized solar cells", Ganesh D. Sharma, Galateia E. Zervaki, **Kalliopi Ladomenou**, Emmanuel N. Koukaras, Panagiotis P. Angaridis, and Athanassios G. Coutsolelos, *Journal of Porphyrins and Phthalocyanines*, 2015, 19, 175-191.

14. “A mono(carboxy) porphyrin-triazine-(Bodipy)<sub>2</sub> Triad as Donor for Bulk Heterojunction Organic Solar Cells”, Ganesh D. Sharma, S. A. Siddiqui, Agapi Nikiforou, Galatea E. Zervaki, Irene Georgakaki, **Kalliopi Ladomenou**, Athanassios G. Coutsolelos, *Materials Chemistry C*, 201,3, 2015, 6209-6217.
15. ““Click”-reaction: an alternative tool for new architectures of porphyrin-based derivatives”, **Kalliopi Ladomenou**, Vasilis Nikolaou, Georgios Charalambidis, Athanassios G. Coutsolelos, *Coordination Chemistry Reviews*, 306, 2016, 1-42.
16. “Artificial hemes for DSSC and/or BHJ applications”, **Kalliopi Ladomenou**, Vasilis Nikolaou, Georgios Charalambidis and Athanassios G. Coutsolelos, *Dalton Trans.*, 2016, 45,1111.
17. “Pyridyl vs. bipyridyl anchoring groups of porphyrin sensitizers for dye sensitized solar cells”, Panagiotis A. Angaridis, Eleftherios Ferentinos, Georgios Charalambidis, **Kalliopi Ladomenou**, Vasilis Nikolaou, Sujit Biswas, Ganesh D. Sharma and Athanassios G. Coutsolelos, *RSC Advances*, 2016, 6, 22187–22203.
18. “Photochemical hydrogen production and cobaloximes: the influence of the cobalt axial N-ligand on the system stability”, Athanassios Panagiotopoulos, **Kalliopi Ladomenou**, Dongyue Sun, Vincent Artero and Athanassios G. Coutsolelos, *Dalton Trans.*, 2016, 45, 6732.
19. “Photochemical hydrogen evolution using Sn-porphyrin as photosensitizer and a series of Cobaloximes as catalysts”, Georgios Landrou, Athanassios A. Panagiotopoulos, **Kalliopi Ladomenou** and Athanassios G. Coutsolelos, *J. Porphyrins Phthalocyanines*, 2016, 20: 535–541.
20. “Porphyrin-BODIPY based hybrid model compounds for artificial photosynthetic reaction centers”, **K. Ladomenou**, V. Nikolaou, G. Charalampidis, A.G. Coutsolelos, *Comptes Rendues de Chimie*, 2016, 1-9.
21. “Two new bulky substituted Zn porphyrins bearing carboxylate anchoring groups as promising dyes for DSSCs”, A. Charisiadis, V. Nikolaou, K. Karikis, C. Giatagana, K. Chalepli, **K. Ladomenou**, S. Biswas, G.D. Sharma, A.G. Coutsolelos, *New Journal of Chemistry*, 2016, 40, 5930-5941.
22. “Increased Efficiency of Dye-Sensitized Solar Cells by Incorporation of a  $\pi$  Spacer in Donor–Acceptor Zinc Porphyrins Bearing Cyanoacrylic Acid as an Anchoring Group” Stylianos Panagiotakis, Emmanouil Giannoudis, Asterios Charisiadis, Raphaella Paravatou, Maria-Eleni Lazaridi, Maria Kandyli, **Kalliopi Ladomenou**, Panagiotis A. Angaridis, H  l  ne C. Bertrand, Ganesh D. Sharma, and Athanassios G. Coutsolelos, *Eur. J. Inorg. Chem.* 2018, 2369–2379.
23. “The impact of potassium on downy mildew of cucumber and its leaf/soil nutritional status”, Anastasia A. Papadaki, Eirini Papazoglou, **Kalliopi Ladomenou**, *SDRP Journal of Plant Science*, 2018, (3), 1.
24. “Interactive effects of leaf age and inoculum concentration on downy mildew of cucumber plants and the implication of nutrients”, Anastasia A. Papadaki, **Kalliopi Ladomenou**, *SDRP Journal of Plant Science*, 2018, (3), 1.

25. “N and K interactions in cucumber plants artificially inoculated with *P. cubensis*”, Anastasia A. Papadaki, Konstantinos Nikoloudis, **Kalliopi Ladomenou**, *SDRP Journal of Plant Science*, 2019, (3), 1.
26. “Effect of nitrogen fertilization on cucumber downy mildew”, A. A. Papadaki, G. Markakis, **K. Ladomenou**, D. Goumas and N. Magan, *Journal of Applied Horticulture*, 2019, 21(1), 31-36.
27. “Heavy metal accumulation in various tissues of *Raphanus sativus* grown under different ratios of organic amendments”, A. Papadaki, **K. Ladomenou**, *Acta Sci. Pol. Hortorum Cultus*, 18(4) 2019, 193–201.
28. “Ru(II) porphyrins as sensitizers for DSSCs: Axial vs. peripheral carboxylate anchoring group”, **Kalliopi Ladomenou**, Vasilis Nikolaou, Georgios Charalambidis, Ganesh D. Sharma and Athanassios G. Coutsolelos, *J. Porphyrins Phthalocyanines*, 2019, 23, 878.
29. “Interfacial Engineering for Organic and Perovskite Solar Cells using Molecular Materials”, Anastasia Soultati, Apostolis Verykios, Konstantina-Kalliopi Armadorou, Marinos Tountas, Veroniki Vidali, **Kalliopi Ladomenou**, Leonidas Palilis, Dimitris Davazoglou, Athanassios G. Coutsolelos, Panagiotis Argitis, Maria Vasilopoulou, *Journal of Physics D: Applied Physics*, 2020, 53 263001.
30. “Carbon dots for photocatalytic H<sub>2</sub> production in aqueous media with molecular Co catalysts”, **Kalliopi Ladomenou**, Giorgos Landrou, Georgios Charalambidis, Emmanouil Nikoloudakis, Athanassios G. Coutsolelos, 2021, *Sustainable Energy Fuels*, 5, 449.
31. "Controlling Solar Hydrogen Production by Organizing Porphyrins", Vasilis Nikolaou, Georgios Charalambidis, **Kalliopi Ladomenou**, Emmanouil Nikoloudakis, Charalambos Drivas, Ioannis Vamvasakis, Stylianos Panagiotakis, Georgios Landrou, Eleni Agapaki, Christina Stangel, Christian Henkel, Jan Joseph, Gerasimos Armatas, Maria Vasilopoulou, Stella Kennou, Dirk M. Guldi, and Athanassios G. Coutsolelos, 2021, *ChemSusChem*, 13, 1 – 11.
32. “Nickel complexes and carbon dots for efficient light-driven hydrogen production”, **Kalliopi Ladomenou**, Michael Papadakis, Georgios Landrou, Michel Giorgi, Charalambos Drivas, Stella Kennou, Renaud Hardré, Julien Massin, Athanassios G. Coutsolelos, Maylis Orio, *EurJIC*, 2021, 3097-3103.
33. “Shape-dependent photocatalytic H<sub>2</sub> production photosensitized by different self-assembled forms of a zinc(II) porphyrin”. Emmanouil Orfanos, **Kalliopi Ladomenou**, Panagiotis Angaridis, Athanassios G. Coutsolelos, *Dalton Trans.*, 2022, 51, 8009.
34. “Core-shell carbon-polymer quantum dot passivation for near infrared perovskite light emitting diodes”, Marinos Tountas, Anastasia Soultati, Konstantina-Kalliopi Armadorou, **Kalliopi Ladomenou**, Georgios Landrou, Apostolis Verykios, Maria-Christina Skoulikidou, Stylianos Panagiotakis, Petros-Panagis Fillipatos, Konstantina Yanakkopoulou, Alexander Chroneos, Leonidas C. Palilis, Abd. Rashid Bin Mohd Yusoff, Athanassios G. Coutsolelos, Panagiotis Argitis, Maria Vasilopoulou, 2022, *J. Phys. Photonics*, DOI: 10.1088/2515-7647/ac79e9.

35. “Porphyrins and phthalocyanines as biomimetic tools for photocatalytic H<sub>2</sub> production and CO<sub>2</sub> reduction”, Emmanouil Nikoloudakis, Ismael López-Duarte, Georgios Charalambidis, **Kalliopi Ladomenou**, Mine Ince, Athanassios G. Coutsolelos, *Chem. Soc. Rev.*, 2022, 51, 6965. DOI: 10.1039/d2cs00183g.
36. “A stable platinum porphyrin based photocatalyst for hydrogen production under visible light in water”, Emmanuil Orfanos, **Kalliopi Ladomenou**, Panagiots Angaridis, Theodoros Papadopoulos, Georgios Charalambidis, Maria Vasilopoulou and Athanassios G. Coutsolelos, *Sustainable Energy Fuels*, 2022, 6, 5072-5076. DOI: 10.1039/D2SE01105K.
37. “Carbon Nanodots as Electron Transport Materials in Organic Light Emitting Diodes and Solar Cells”, Zoi Georgiopoulou, Apostolis Verykios, **Kalliopi Ladomenou**, Katerina Maskanaki, Georgios Chatzigiannakis, Konstantina-Kalliopi Armadorou, Leonidas C. Palilis, Alexander Chroneos, Evangelos K. Evangelou, Spiros Gardelis, Abd. Rashid bin Mohd Yusoff, Athanassios G. Coutsolelos, Konstantinos Aidinis, Maria Vasilopoulou, and Anastasia Soultati, *Nanomaterials*, 2023, 13, 169. DOI: 10.3390/nano13010169.
38. “Efficient Solar Hydrogen Production of Zinc Trimesityl Porphyrin Based Photocatalysts“, Eleni Agapaki, **Kalliopi Ladomenou**, Vasilis Nikolaou, Athanassios G. Coutsolelos. *J. Porphyrins Phthalocyanines*, 2023, 27, 479 DOI: 10.1142/S1088424623500207.
39. "Light-induced hydrogen production from water using nickel(II) catalysts and N-doped carbon-dot photosensitizers: catalytic efficiency enhancement by increase of catalyst nuclearity”, Dimitra K. Gioftsidou, Georgios Landrou, Charikleia Tzatzta, Antonios Hatzidimitriou, Emmanouil Orfanos, Georgios Charalambidis, **Kalliopi Ladomenou**, Athanassios G. Coutsolelos and Panagiotis A. Angaridis *Dalton Trans*, 2023, 52, 9809 DOI: 10.1039/d3dt01052j.
40. “A series of cobalt bis(thiosemicarbazone) catalysts for effective photocatalytic hydrogen evolution reaction”, Michael Papadakis, Georgios Landrou, Marie Poisson, Léa Delmotte, Katerina Achileos, Sylvain Bertaina, Renaud Hardré, **Kalliopi Ladomenou**, Athanassios G. Coutsolelos and Maylis Orio *Eur. J. Inorg. Chem.*, 2023, 1 DOI: 10.1002/ejic.202300352.
41. “Highly efficient light-driven hydrogen evolution utilizing porphyrin-based nanoparticles”, Vasilis Nikolaou, Eleni Agapaki, Emmanouil Nikoloudakis, Katerina Achilleos, **Kalliopi Ladomenou**, Georgios Charalambidis, Evitina Triantafyllou and Athanassios G. Coutsolelos *Chem. Commun.*, 2023, 59, 11256 DOI: 10.1039/d3cc02922k.
42. “Adsorption and photocatalytic applications of porphyrin-based materials for environmental separation processes: A review”, Despina A. Gkika, **Kalliopi Ladomenou**, Mohamed Bououdina, Athanasios C. Mitropoulos, George Z. Kyzas *Science of The Total Environment*, 2024, 908, 168293 DOI: 10.1016/j.scitotenv.2023.168293.
43. “Porphyrins-valuable pigments of life”. Vasilis Nikolaou, Emmanouil Nikoloudakis, **Kalliopi Ladomenou\***, Georgios Charalambidis\*, Athanassios G. Coutsolelos *Front. Chem. Biol.*, 2024, DOI:10.3389/fchbi.2023.1346465.

## Conference List:

1. K. Ladomenou, G. Charalambidis, A. G. Coutsolelos, 1st Symposium of Organic Synthesis, 4-6 November 2004, Athens. "Synthesis of porphyrins as model compounds for cytochrome c oxidase".
2. G. Coutsolelos, K. Ladomenou, G. Charalambidis, 1st European Conference on Chemistry for Life Sciences, 4-8, October, 2005, Rimini, Italy. "Synthesis of new porphyrin derivatives as model compounds for cytochrome c oxidase".
3. K. Ladomenou, 11o Hellenic Chemistry Conference of Postgraduate students, July 2005, Kolimpari, Chania.
4. K. Ladomenou, 12o Hellenic Chemistry Conference of Postgraduate students, July 2006, Santorini.
5. G. Coutsolelos, G. Charalambidis, K. Ladomenou, 4th International Conference on Porphyrins and Phthalocyanines, 2-7 July, 2006, Rome, Italy. "A strategic design to approach novel synthetic models for Cytochrome c Oxidase".
6. K. Ladomenou, G. Charalambidis, A. G. Coutsolelos, 1o European Conference of Chemistry 27-31 August 2006, Budapest, Hungary. "Novel synthetic models for cytochrome c oxidase".
7. K. Ladomenou, "The Wine at the nutrition of the future" Scientific Conference, Traditional Cretan Diet and Health, Technological Educational Institute of Crete (T.E.I.), Heraklion, 2007.
8. G. Coutsolelos, G. Charalambidis, K. Ladomenou, 10th International Meeting in Inorganic Chemistry, 1-4 July 2009, Palermo, Italy, "Design and synthesis of super-structured porphyrin as building blocks for new materials, studies and applications".
9. K. Ladomenou, G. Charalambidis, A. G. Coutsolelos, 10th Chemistry Conference Greece-Cyprus 02-04 July 2009, Heraklion, "Electrochemical and spectroscopic studies of novel compounds-models of cytochrome c oxidase".
10. K. Ladomenou, G. Charalambidis, A. G. Coutsolelos, 16th European Symposium on Organic Chemistry, 12-16 July 2009, Prague, Czech Republic, "Electrochemical and spectroscopic studies of novel model compounds for cytochrome c oxidase".
11. Athanassios G. Coutsolelos, Galatea E. Zervaki, Georgia Pagona, Georgios Charalambidis, Kalliopi Ladomenou, Nikos Tagmatarchis, 25th European Photovoltaic Solar Energy Conference and Exhibition, 6-17 September 2010, Valencia, Spain, "Synthesis of novel porphyrin dimers for photovoltaic applications".
12. Kalliopi Ladomenou, Georgios Charalambidis, Galatea E. Zervaki, Georgia Pagona, Nikos Tagmatarchis, Athanassios G. Coutsolelos, Sixth International Conference on Porphyrins and Phthalocyanines, July 4-9, 2010, New Mexico, USA, "Novel hybrid materials based on porphyrin dimers for photovoltaic applications".
13. Athanassios G. Coutsolelos, Kalliopi Ladomenou, Georgios Charalambidis, Galatea E. Zervaki, T. Lazarides, D. Daphnomili, 10th European Biological Inorganic Chemistry Conference, June 22-26, 2010, Thessaloniki, Greece, "Bio inspired derivatives for solar energy utilization."



14. G Coutsolelos, K. Ladomenou, G. Charalambidis, G. E. Zervaki, T. Lazarides, D. Daphnomili, WIRE: Week of Innovative Regions in Europe, 15-17 March 2010, Granada, Spain.
15. Kalliopi Ladomenou, Georgios Charalambidis, Dimitra Daphnomili, Athanassios G. Coutsolelos, «Synthesis of novel porphyrin sensitizers for solar cell applications» 2011, Manchester, UK.
16. Kalliopi Ladomenou, Georgios Charalambidis, Dimitra Daphnomili, Athanassios G. Coutsolelos, «Synthesis of porphyrin-based sensitizers for solar cell applications», First International Conference on Bioinspired Materials for Solar Energy Utilization, BIOSOL2011, 12-17, September, 2011, Chania, Crete.
17. Kalliopi Ladomenou, Theodore Lazarides, Georgios Charalambidis and Athanassios G. Coutsolelos, «Peripherally substituted porphyrin derivatives showing wide range visible absorption: Synthesis and photophysical studies», Inorganic Photochemistry and Photochemistry: Fundamentals and Applications: Dalton Discussion 13, 10-12 September, 2012, Sheffield, UK.
18. Kalliopi Ladomenou, Theodore Lazarides, Georgios Charalambidis and Athanassios G. Coutsolelos, «Peripherally substituted porphyrin derivatives showing wide range visible absorption: Synthesis and photophysical studies», Seventh International Conference on Porphyrins and Phthalocyanines, ICPP-7, July 1-6, 2012, Jeju, KOREA.
19. K. Ladomenou, A.G. Coutsolelos, G. Charalambidis, D. Daphnomili, C. Stangel, G. Zervaki, P. Aggaridis, A. Petrou, P. Nova, A. Apostolopoulou, V. Papastamatakis, K. Karikis, T. Lazarides, V. Nikolaou, «Synthesis and properties of new super structured chromophores based on porphyrin rings», 223th ECS Meeting May 12-16, 2013, Toronto, Canada.
20. Kalliopi Ladomenou, Vasilis Nikolaou, Athanasia Nikolaou, Georgios Charalambidis, Panagiotis A. Angaridis, A.G. Coutsolelos, «Synthesis of new photosensitizers via click chemistry», Eighth International Conference on Porphyrins and Phthalocyanines (ICPP-8) June 22-27, 2014, Istanbul.
21. Α. Παπαδάκη, Κ. Λαδομένου, «Επίδραση της καλιούχου λίπανσης στην ανάπτυξη του *Pseudoperonospora cubensis* σε καλλιέργεια αγγουριάς (*Cucumis sativus*, var. Knossos)», 28ο Συνέδριο της Ελληνικής Εταιρείας της Επιστήμης των Οπωροκηπευτικών, 16-20 Οκτωβρίου 2017, Θεσσαλονίκη.
22. Kalliopi Ladomenou, Georgios Landrou, Georgios Charalambidis, Emmanouil Nikoloudakis, Athanassios G. Coutsolelos, “Carbon dots for photocatalytic H<sub>2</sub> production in aqueous media with molecular Co catalysts”, ACS Meeting 2021, 5-16 April 2021, USA, Virtual Conference.
23. Vasilis Nikolaou, Georgios Charalambidis, Kalliopi Ladomenou, Emmanouil Nikoloudakis, Charalambos Drivas, Ioannis Vamvasakis, Stylianos Panagiotakis, Georgios Landrou, Eleni Agapaki, Christina Stangel, Christian Henkel, Jan Joseph, Gerasimos Armatas, Maria Vasilopoulou, Stella Kennou, Dirk M. Guldi, Athanassios G. Coutsolelos, “Controlling solar hydrogen production by organizing porphyrins”, 11th International Conference on Porphyrins and Phthalocyanines (ICPP-11), 28 June – 3 July 2021, USA, Virtual Meeting.

24. Kalliopi Ladomenou, Georgios Landrou, Emmanouil Orphanos, Athanassios G. Coutsolelos, “Light-driven H<sub>2</sub> production in aqueous media using carbon dots and molecular Co catalysts”, 11th International Conference on Porphyrins and Phthalocyanines (ICPP-11), 28 June – 3 July 2021, USA, Virtual Meeting.
25. Emmanouil Orphanos, Kalliopi Ladomenou, Athanassios G. Coutsolelos, “Shape dependent photocatalytic H<sub>2</sub> evolution of a zinc porphyrin”, International solar fuels conference 2021, 26-29 July 2021, United Kingdom, Virtual Meeting.
26. Michael Papadakis, Kalliopi Ladomenou, Georgios Landrou, Julien Massin, Renaud Hardre, Athanassios G. Coutsolelos, Maylis Orio, “Nickel complexes and carbon dots for efficient light-driven hydrogen production”, International solar fuels conference 2021, 26-29 July 2021, United Kingdom, Virtual Meeting.
27. Fotis Anastasiadis, Magdalini Topouza, Kalliopi Ladomenou, Georgios Charalambidis, Athanassios G. Coutsolelos, “Synthesis and Characterization of Bis-Functional Electron-Donor and Electron-Acceptor Porphyrins for Application in Dye-Sensitized Solar Cells” 11th International Conference on Porphyrins and Phthalocyanines (ICPP-12), 10 - 15 July 2022, Madrid, Spain.
28. Orfanos E., Ladomenou K., Angaridis P. Coutsolelos A.G., “Shape dependent photocatalytic H<sub>2</sub> evolution of a zinc porphyrin”, International Solar Fuels Conference 2021 (ISF-2021), 26-29 July 2021, UK, Virtual Meeting.
29. Orfanos, Kalliopi Ladomenou, Maria Perraki, Panagiotis Angaridis, Athanassios G. Coutsolelos, “Diverse Zn porphyrin structures effect the photocatalytic H<sub>2</sub> production” 11th International Conference on Porphyrins and Phthalocyanines (ICPP-12), 10 - 15 July 2022, Madrid, Spain.
30. Georgios Charalambidis, Kalliopi Ladomenou, Georgios Landrou, Emmanouil Nikoloudakis, Aspasia Stoumpidi, Athanassios G. Coutsolelos, “Olive leaves-derived carbon dots for efficient photocatalytic H<sub>2</sub> production and CO<sub>2</sub> reduction” 11th International Conference on Porphyrins and Phthalocyanines (ICPP-12), 10 - 15 July 2022, Madrid, Spain.
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