

Resolved Fluorescence, Cyclic Voltammetry), microscopy (AFM, TEM) and thermal (TGA, DSC) techniques for their structural characterization.

External Funding

Participant as associate researcher in 9 national and international research projects in collaboration with academic and industrial organizations (national: PENED, PAVET, Heraklitos, Pythagoras, ΣΥΝΕΡΓΑΣΙΑ, Bilateral Scientific Schemes; EU: EURYI).

Conferences and Invited Talks

31 international and 9 national conferences.

Teaching Activities

- Part Time Teacher of Chemistry and Physics in Technical School (2005 – 2008).
- Laboratory assistant in undergraduate courses in Organic Chemistry Labs (Department of Chemistry, University of Ioannina, Greece, 1996 – 2000).

Invitations

- Invited Visitor Scientist, Centre for Drug Delivery Research, Department of Pharmaceutics, The School of Pharmacy, University of London, London, England (7-8/2007).
- Invited Visitor Scientist, Institute of Organic and Bioorganic Chemistry, Humboldt University, Berlin, Germany (11-12/1997 and 2-3/1998).

Professional Affiliations & Activities

- Reviewer for international scientific research journals in the fields of chemistry, physics and materials science.
- Secretariat member of the 3rd Conference of post-graduate students of Chemistry Department of University of Ioannina (Ioannina, Greece, 1997).

- Secretariat member of the International Conference on Carbon Nanostructured Materials – Cnano'09 (Santorini, Greece, 2009).
- Secretariat member of the Fullerene Silver Anniversary Symposium - "FSAS-2010" (Crete, Greece, 2010).
- Member of the Association of Greek Chemists (1995).

Publications

28 publications in refereed journals and conference proceedings, 2 book chapters, more than 450 citations and h-index=9.

Selected Recent Publications

1. "Benzyne cycloaddition onto carbon nanohorns", D. Chronopoulos, N. Karousis, T. Ichihashi, M. Yudasaka, S. Iijima, N. Tagmatarchis, [Nanoscale, 5, 6388 \(2013\)](#).
2. "Zinc Phthalocyanine–Graphene Hybrid Material for Energy Conversion: Synthesis, Characterization, Photophysics, and Photoelectrochemical Cell Preparation", N. Karousis, J. Ortiz, K. Ohkubo, T. Hasobe, S. Fukuzumi, Á. Sastre-Santos, N. Tagmatarchis, [J. Phys. Chem. C, 116, 20564 \(2012\)](#).
3. "Microwave-assisted functionalization of carbon nanohorns via [2+1] nitrenes cycloaddition", N. Karousis, T. Ichihashi, M. Yudasaka, S. Iijima, N. Tagmatarchis, [Chem Commun, 47, 1604 \(2011\)](#).
4. "Graphene with covalently linked porphyrin antennae: Synthesis, characterization, and photophysical properties", N. Karousis, A. S. D. Sandanayaka, T. Hasobe, S. P. Economopoulos, E. Sarantopoulou, N. Tagmatarchis, [J. Mater. Chem. 21, 109 \(2011\)](#)
5. "Current progress on the chemical modification of carbon nanotubes", N. Karousis, N. Tagmatarchis and D. Tasis, [Chem. Rev. 110, 5366 \(2010\)](#)
6. "Alignment of Carbon Nanotubes in Weak Magnetic Fields" J. Tumpene, N. Karousis, N. Tagmatarchis and B. Nordén, [Angew. Chem. Int. Ed., 47, 5148 \(2008\)](#)
7. "Carbon Nanotubes Decorated with Palladium Nanoparticles: Synthesis, Characterization and Catalytic Activity", N. Karousis, G.–E. Tsotsou, F. Evangelista, P. Rudolf, N. Ragoussis and N. Tagmatarchis, [J. Phys. Chem. C, 112, 13463 \(2008\)](#)