

ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ

Solon Economopoulos

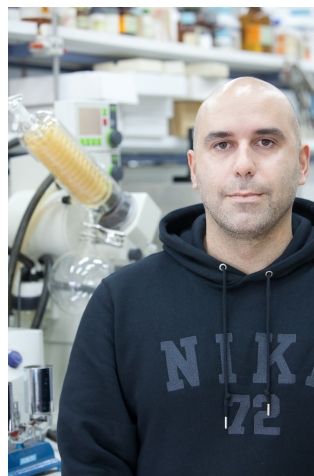
Post-Doctoral Researcher
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Education

Ph.D in Polymer Chemistry, University of Patras, Greece, (2006)

Diploma in Chemistry, University of Patras, Greece (2001).

RESEARCH & TEACHING APPOINTMENTS

3/2012- : Postdoctoral Researcher, TPCI, NHRF, Athens, Greece.

4/2011-3/2012: Research Associate, Cyprus University of Technology, Cyprus.

3/2008-2/2011: Postdoctoral Researcher, TPCI, NHRF, Athens, Greece.

MAIN RESEARCH INTERESTS

- Synthesis and structural, optoelectronic and morphological characterisation of semiconducting polymers.
- Synthesis and structural and optoelectronic characterization of graphene, carbon nanotubes and fullerene hybrid materials.
- Photovoltaic device fabrication and optimization.

EXTERNAL FUNDING

1. Participant in four national and international research projects in collaboration with academic and industrial organizations. (Konarka Technologies, EPAN 13, Nanohost, Strategic Infrastructure Grant Cyprus)
2. Coordinator of one national research project (Graphcell)
3. Recipient of one scholarship from the State Scholarship Foundation (IKY)

CONFERENCES AND INVITED TALKS

More than 20 National and International Conferences on Chemistry and Material Science. Organizing committee in two international conferences (C-Nano '09, FSAS 2010).

TEACHING ACTIVITIES

Co-Teaching of undergraduate course "Inorganic Chemistry 101" Department of Mechanical Engineering and Materials Science and Engineering, Cyprus University of Technology

Co-Teaching of undergraduate course "Polymers and Composites 434" Department of Mechanical Engineering and Materials Science and Engineering, Cyprus University of Technology. Cyprus.

Training of undergraduate students in the laboratory of "Analytical Chemistry" Chemistry Department, University of Patras, Greece.

Training of postgraduate students of the "Polymer Science and Technology Programme" in the laboratory of "Polymer Characterization". Training of undergraduate students in the laboratory of "Polymer Science", Chemistry Department, University of Patras, Greece.

Training of undergraduate students in the laboratory of "Industrial Processes", Chemistry Department, University of Patras, Greece.

PROFESSIONAL AFFILIATIONS & ACTIVITIES

Member of the Greek Chemical Society.

PUBLICATIONS

25 publications in international refereed journals, 2 book chapters.

[Full list of publications](#) (this is a link to the full list of publications)

SELECTED RECENT PUBLICATIONS

- 1) "Exfoliation and chemical modification using microwave irradiation affording highly functionalized graphene" S.P. Economopoulos; G. Rotas; Y. Miyata; H. Shinohara; N. Tagmatarchis, *ACS Nano*, 2010, *4*, 7499
- 2) "Solvent-free microwave-assisted Bingel reaction in carbon nanohorns" S.P. Economopoulos; G. Pagona; M. Yudasaka; S. Iijima; N. Tagmatarchis, *Journal of Materials Chemistry*, 2009, *19*, 7326
- 3) "Identifying potential candidates for donor–acceptor copolymers on a series of 4H-1,2,6-thiadiazines: An electrochemical approach" S.P. Economopoulos; P.A. Koutentis; H.A. Ioannidou; S.A. Choulis, *Electrochimica Acta*, 2013, *107*, 448.
- 4) "Chemical Functionalization of Exfoliated Graphene", S. P. Economopoulos; N. Tagmatarchis, *Chemistry – A European Journal* 2013, *19*, 12930-12936.