

Lampros Papoutsakis

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I. PERSONAL

Nationality: Greek
Date and Place of Birth: 20 October 1971, Chania/Crete/Greece
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II. EDUCATION

University of Crete, Heraklion, Greece (2000 - 2002)

M. Sc. 2002 (Microelectronics - Optoelectronics).

Thesis Title : "Effect of pH on micelle formation in aqueous solutions of diblock copolymers and the formation of metal nanoparticles" Advisor : Professor Spiros H. Anastasiadis

University of Crete, Heraklion, Greece (1991 - 1998)

Bachelor 1998 (Department of Physics)

Diploma Title : "Study of static and dynamic behavior of diblock copolymers PS-PMMA in toluene" Advisor : Professor Spiros H. Anastasiadis

III. AWARDS, FELLOWSHIPS

University of Crete, Summer School of Advanced Physics Award – Fellowship 1998

IV. EXPERIENCE

Research Assistant, *Institute of Electronic Structure and Laser, FO. R. T. H.*, Heraklion, Crete, Greece (February 2004 - now) **Technical and Scientific support of the X-ray Facility (XRD-SAXS) located at I.E.S.L./FO. R. T. H**

Specialized Fellow, *Institute of Electronic Structure and Laser, FO. R. T. H.*, Heraklion, Crete, Greece (September 2002 – January 2004)

Military Service, Hellenic Air Force. Specialized in Meteorology, Tripolis - Athens - Heraklion, Greece (September 1998 – May 2000)

V. TEACHING EXPERIENCE

Fall Semester 2003-2004: Associate Instructor of the course "Agrometeorology Laboratory" in the Department of Organic Greenhouse Crops & Floriculture (School of Agricultural Technology) of the Technological Educational Institute of Crete

Fall Semester 2004-2005: Associate Instructor of the course "Meteorology" in the Department of Crop Science (School of Agricultural Technology) of the Technological Educational Institute of Crete

Spring semester 2004-2005: Associate Instructor of the course "Meteorology" in the Department of Crop Science (School of Agricultural Technology) of the Technological Educational Institute of Crete

Fall Semester 2009-2010: Associate Instructor of the course "Laboratory Physics (Electricity)" in the Department of Sciences (School of Technological Applications) of the Technological Educational Institute of Crete

Fall Semester 2010-2011: Associate Instructor of the course "Laboratory Physics (Electricity)" in the Department of Sciences (School of Technological Applications) of the Technological Educational Institute of Crete

VI. PROFESSIONAL AFFILIATIONS

Hellenic Polymer Society

VII. PUBLICATIONS IN REFEREED JOURNALS

1. K. Chrissopoulou, L. Papoutsakis, S. H. Anastasiadis,* G. Fytas, G. Fleischer, and Y. Gallot "Intermediate Wavelength Composition Fluctuations in Diblock Copolymers: Modification of the Diffusive Mode near the Ordering Transition" *Macromolecules* **35**, 522-528 (2002).
2. M. Vamvakaki, L. Papoutsakis, V. Katsamanis, T. Afchoudia, P. Fragouli, H. Iatrou, N.Hadjichristidis, S. P. Armes, S. Sidorov, D. Zhurov, V. Zhurov, M. Kostylev, L. M. Bronstein, and S.H. Anastasiadis* "Micellization in pH-sensitive amphiphilic block copolymers in aqueous media and the formation of metal nanoparticles" *Faraday Disc.* **128**, 129-147 (2005).
3. Maria Kaliva, Melani A. Frysalis, Chara Flouraki, Lampros Papoutsakis, Maria Vamvakaki and Spiros H. Anastasiadis. "Metallic Nanocatalysts Embedded within pH-Responsive Polymeric Microgels and Deposition onto Solid Substrates" *Macromolecular Symposia* **331-332**, 17-25 (2013)
4. Pavol Kunzo, Peter Lobotka, Eva Kovacova, Kiriaki Chrissopoulou, Lambros Papoutsakis, Spiros H. Anastasiadis, Zuzana Krizanova and Ivo Vavra. "Nanocomposites of polyaniline and titania nanoparticles for gas sensors". *Physics Status Solidi A*, **210**(11), 2341-2347 (2013)
5. Melani A. Frysalis, Lampros Papoutsakis, George Kenanakis, and Spiros H. Anastasiadis. "Functional Surfaces with Photocatalytic Behavior and Reversible Wettability: ZnO Coating on Silicon Spikes" *J. Phys. Chem. C*, **119** (45), 25401-25407 (2015)
6. Emmanouil Glynos, Lampros Papoutsakis, Wenyang Pan, Emmanuel P. Giannelis, Alkmini D. Nega, Emmanouil Mygiakis, Georgios Sakellariou, and Spiros H. Anastasiadis "Nanostructured Polymer Particles as Additives for High Conductivity, High Modulus Solid Polymer Electrolytes" *Macromolecules* **50**, 4699-4706 (2017)
7. Emmanouil Glynos, Paraskevi Petropoulou, Emmanouil Mygiakis, Alkmini D. Nega, Wenyang Pan, Lampros Papoutsakis, Emmanuel P. Giannelis, Georgios Sakellariou, and Spiros H. Anastasiadis "Leveraging Molecular Architecture To Design New, All-Polymer Solid Electrolytes with Simultaneous Enhancement in Modulus and Ionic Conductivity" *Macromolecules* **51**, 2542-2550 (2018)