

ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ

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Education

Ph.D. in Materials Science, University of Patras, Greece (2009)

M.Sc. in Chemistry, University of Burgundy, Dijon, France (2005)

B.S. in Chemistry, University of Crete, Greece (2004)

Research & Teaching Appointments

9/2010- : Postdoctoral Researcher, Theoretical and Physical Chemistry Institute, National Hellenic Research Foundation, Athens, Greece.

11/2009-6/2010: Researcher Associate, TPCI, NHRF, Athens, Greece / Institut de Science Moleculaires, Bordeaux, France

Main Research Interests

Synthesis and molecular characterization of well defined copolymers by RAFT polymerization technique

Block copolymer self-assembly in solutions

Development and characterization of polymer based hybrid materials

Synthesis of hybrid organic/inorganic materials for sensing applications

Technical Skills

Advanced user of various materials characterization and analysis techniques such as:

Chromatographic techniques (SEC-GPC, HPLC)

Dynamic and Static Light Scattering (DLS, SLS)

Spectroscopy (FTIR, Raman, Uv-Vis, ^1H NMR)

Thermal Analysis (TGA, DSC)

External Funding

Participant (as young researcher) in five national and international research projects in collaboration with academic organizations (NANOMACRO, NANONLO, NANOPHOS, NYVRIPHOS, WeLCOM).

Conferences and Invited Talks

21 international and 10 Greek conferences. Secretariat of the ICO-PHOTONICS-Delphi2009 "Emerging Trends and Novel Materials in Photonics" hosted by the International Commission for Optics.

Professional Affiliations & Activities

Member of the Association of Greek Chemists.

Publications

7 original publications in refereed journals, 5 publications in conference proceedings, co-author of 1 book chapter and 1 chapter in an encyclopaedia. More than 90 citations and h index 5.

Selected Resent Publication

1. A. Meristoudi, S. Pispas, N. A. Vainos, "Self-Assembly in Solutions of Block and Random Copolymers During Metal Nanoparticle Formation", *J. Polymer Science: Part B: Polymer Physics* 2008, 46, 1515.
2. K. Iliopoulos, D. Athanasiou, S. Couris, A. Meristoudi, N. A. Vainos, S. Pispas "Nonlinear optical properties of Au nanoclusters encapsulated into hybrid block copolymer micelles", *Physica Status Solidi* 2008, 205, 2635.
3. A. Meristoudi, S. Pispas "Polymer Mediated Formation of Corona-Embedded Gold Nanoparticles in Block Polyelectrolyte Micelles" *Polymer* 2009, 50, 2743.
4. M. Vasileiadis, L. Athanasekos, A. Meristoudi, D. Alexandropoulos, G. Mousdis, E. Karoutsos, A. Botsialas, N. A. Vainos "Diffractive Optic Sensor for Remote Point Detection of Ammonia" *Optics Letters* 2010, 35, 1476.

5. L. Athanasekos, Z. Kollia, M. Vasileiadis, N. Aspiotis, D. Alexandropoulos, A. Meristoudi, V. Karoutsos, E. Sarantopoulou "Effect of 193 and 157nm laser light illumination on the surface properties of TMOS-NiCl₂ sol-gel derived material" Journal of Optics 2010, 12, 124015.