

## CURRICULUM VITAE

### Anastasia Meristoudi

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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, <sup>1</sup>H 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-NiCl<sub>2</sub> sol-gel derived material" *Journal of Optics* 2010, 12, 124015.