

ANASTASIA MERISTOUDI

PUBLICATIONS –NOVEMBER 2013

A. Ph.D. THESIS

"Development of hybrid materials for applications in photonic sensors", Materials Science

Department, University of Patras, Greece, (6/2009).

B. CHAPTERS IN BOOKS

1. Chapter title "Metal nanoparticles synthesis in block copolymer self-assembled nanostructures", encyclopedia title "Encyclopedia of nanoscience and nanotechnology",

American Scientific Publishers, 2010; Authors: A. Meristoudi, G. Mountrichas and S. Pispas.

2. Chapter title "Formation of gold nanoparticles inside the corona of amphiphilic triblock copolymer micelles"

Nova Science Publishers, 2013; Authors: A. Meristoudi and S. Pispas

C. PAPERS IN REFEREED JOURNALS

1. C. P. Gros, F. Brisach, A. Meristoudi, E. Espinosa, R. Guillard, P. D. Harvey, "Modulation of the singlet-singlet through-space energy transfer rates in cofacial bisporphyrin and porphyrin-corrole dyads", *Inorganic Chemistry* 2007, 46, 125.

2. 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.

3. 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 A* 2008, 205, 2635.

4. A. Meristoudi, L. Athanasekos, M. Vasileiadis, S. Pispas, G. Mousdis, E. Karoutsos, D. Alexandropoulos, H. Du, A. Tsigara, K. Kibasi, A. Perrone, N. A. Vainos "Nanocomposite hybrid photonic media for remote point sensors", J. Opt. A: Pure Appl. Opt. 2009, 11, 034005.

5. A. Meristoudi, S. Pispas "Polymer Mediated Formation of Corona-Embedded Gold Nanoparticles in Block Polyelectrolyte Micelles" Polymer 2009, 50, 2743.

6. 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.

7. 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.

D. PAPERS IN PROCEEDINGS OF INTERNATIONAL CONFERENCES

1. A. Tsigara, N. Madamopoulos, M. Hands, L. Athanasekos, A. Meristoudi, G. Mousdis, G. Manasis, I. Koutselas, N. A. Vainos, "NiCl₂/SiO₂ Sol-Material for Ammonia Sensing", Proc. of SPIE 2006, 6377, 63770B-1.

2. A. Tsigara, L. Athanasekos, A. Meristoudi, G. Manasis, M. Hands, G. Mousdis, S. Pispas, N. A. Vainos, "Inorganic and hybrid polymer-inorganic nanostructured materials for optical physicochemical sensing applications", Proc. of SPIE 2007, 6785, 67851G.

3. A. Meristoudi, K. Iliopoulos, S. Pispas, N. A. Vainos, S. Couris, "Development and Nonlinear Optical Properties of Block Copolymers Micelles Encapsulating Metal Nanoparticles", AIP Conf. Proc. 2010, 35, 1288.

4. G. Chatzikyriakos, K. Iliopoulos, S. Couris, A. Meristoudi, S. Pispas, "Nonlinear Optical Properties of Au and Ag Nanoparticles Embedded into Hybrid-block Copolymer Micelles", AIP Conf. Proc. 2010, 174, 1288.

5. M. Vasileiadis, L. Athanasekos, D. Alexandropoulos, A. Meristoudi, E. Karoutsos, A. Botsialas, G. Mousdis, I. Koutselas, M. Sigalas, N. A. Vainos "Optical Sensor Sensitivity Enhancement by use of Diffraction Gratings" AIP Conf. Proc. 2010, 192, 1288.