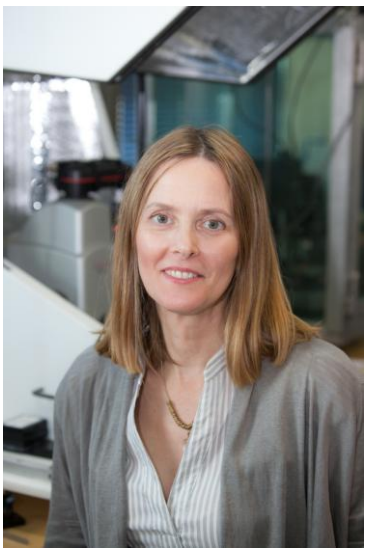
ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ



Evangelia Sarantopoulou

Dr. /Senior Researcher
Theoretical and Physical Chemistry Institute
National Hellenic Research Foundation,
48 Vassileos Constantinou Aven.,
Athens 11635, Greece

Phone: +30 210 7273839
Fax: +30 210 7273842
E-mail: esarant@eie.gr
Website: http://www.eie.gr/nhrf/institutes/tpci/cvs/cv-sarantopoulou-gr.html

---

Education

Ph.D in Physics, University of Athens, Greece (1996)
Diploma in Physics, University of Athens, Greece (1988)

Research and teaching appointments

2013- : Senior Researcher, TPCI/ NHRF, Athens, Greece.
2004-2012: Associate Researcher, TPCI/ NHRF, Athens, Greece.
1998-2003: Postdoctoral Researcher, TPCI/ NHRF, Athens, Greece.
1996-1998: Postdoctoral Researcher, NTUA/SEMFE, Athens, Greece.

Main research interests

- Photonic synthesis of nanostructured materials and photonic surface processing with short light wavelengths.

- Targeting specified functionalities in the nanoscale such as magnetism, self assembly, enhanced photonic adsorption at interfaces, modulation of hydrophobicity, hybridization of bio surfaces and aging of polymers.

External funding

Scientist in charge in two European Space Agency projects and in one EU-FP7, scientific coordinator in three bilateral research projects. Participant in more than 15 National and International research projects in collaboration with academic and industrial organizations. (International: Science, Human Capital & Mobility, Linkage-NATO, Large Scale Installation, Brite-Euram, Esprit, IST, INTAS, Quality of Life, Growth, ERANET National: PENED, Bilateral, Aristeia, Thalis).

Conferences and invited talks

130 international and 7 Greek conferences, 4 invited talks.

Honors and awards

Post-graduate fellowship of the British council at the University of Oxford UK (1992).

Teaching activities

Participation in the teaching of two Postgraduate courses in the framework of the Postgraduate qualification program of National and Kapodistrian University of Athens, Faculty of Biology.
Teaching assistant in experimental training of students in Physics (National Technical University of Athens, NTUA, Athens Greece, 1998-1999).
Supervision of two Ph.D., two MSc., one honor student and one undergraduate student.

Professional affiliations and activities

Member of the Nanosafety cluster.

European Low Gravity Research Association.
Reviewer for several international journals.
Research project evaluator in several European Commission panels.

Publications

94 publications in refereed journals, 26 publications in conference proceedings, 3 chapters in books. More than 900 citations (h=19).

Selected recent publications

Selected recent publications

1. "Charge transport mechanisms and memory effects in amorphous TaNx thin films". N. Spyropoulos-Antonakakis, E. Sarantopoulou, G. Drazic, Z. Kollia, D.Christofilos, G. Kourouklis, D. Palles and A. C. Cefalas, Nanoscale Res. Lett. 8, 432 (2013).
2. "Pulsed-laser fabrication of gas-filled hollow Co–Pt nanospheres" S. Sturm, K.Z. Rozman,B. Markoli, N.S. Antonakakis, E. Sarantopoulou, Z. Kollia and S. Kobe, Acta Mater. 61, 7924 (2013).
3. "Thermionic field emission in gold nitride Schottky nanodiodes", N. Spyropoulos-Antonakakis, E. Sarantopoulou, Z. Kollia, Z. Samardžija, S. Kobe and A.C. Cefalas, J. Appl. Phys. 112, 094301 (2012).
4. "Long term oxidization and phase transition of InN nanotextures", E. Sarantopoulou, Z. Kollia, G. Drazic, S.Kobe and N. Spyropoulos-Antonakakis, Nanoscale Res. Lett. 6 , 387 (2011).
5. "Interplanetary survival probability of Aspergillus terreus spores under simulated solar vacuum ultraviolet irradiation", E. Sarantopoulou, I. Gomoiu, Z. Kollia and A.C. Cefalas, Planet. Space Sci. 59, 63 (2011).
6. "Effect of 193 and 157 nm laser light illumination on the surface properties of TMOS-NiCl2 sol-gel derived material", L. Athanasekos, Z. Kollia, M. Vasileiadis, N. Aspiotis, D. Alexandropoulos, A. Meristoudi, V. Karoutsos, and E. Sarantopoulou, J. Opt. 12, 124015 (2010).
7. "Surface modification of polyhedral oligomeric silsesquioxane block copolymer films by 157 nm laser light", E. Sarantopoulou, Z. Kollia, A.C. Cefalas, A.E. Siokou, P. Argitis, V. Bellas, and S. Kobe, J. Appl. Phys. 105, 114305 (2009).

8. "Surface nano/micro functionalization of PMMA thin films by 157 nm irradiation for sensing applications", E. Sarantopoulou, Z. Kollia, A.C. Cefalas, K. Manoli, M. Sanopoulou, D. Goustouridis, S. Chatzandroulis and I. Raptis, Appl. Surf. Sci. 254, 1710 (2008).
9. "Nano-modification of surface morphology of Teflon AF with VUV laser light", E. Sarantopoulou, Phys. Status Solidi A 204, 1843 (2007).