

ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ

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EDUCATION

- Doctorate in Physics, University of Leeds, School of Physics and Astronomy, United Kingdom (2005).
- Master's Degree in Polymer Science and Technology, University of Patras, Department of Physics, Department of Chemistry and Department of Chemical Engineering and University of Ioannina, Department of Chemistry, Greece. (2001).
- Diploma in Physics, University of Patras, Greece (1998).

RESEARCH & TEACHING APPOINTMENTS

- 04/2013 - : Postdoctoral Research Associate, TPCI, NHRF, Athens, Greece.
- 5/2008-6/2009: Postdoctoral Research Associate, National Technical University of Athens, School of Applied Sciences, Department of Physics, Greece.
- 2/2006-3/2007: Postdoctoral Research Associate, University of Manchester, School of Physics and Astronomy, United Kingdom.
- 10/2005-1/2006: Postdoctoral Research Associate, University of Leeds, School of Physics and Astronomy, United Kingdom.
- 6/2001-12/2001: Marie Curie Studentship, University of Leeds, School of Physics and Astronomy, United Kingdom.

MAIN RESEARCH INTERESTS

- Small Angle Scattering Techniques with Neutrons and X-Rays on charged and neutral polymeric self-assembling systems (i.e. block copolymer micelles,

thermoresponsive polymers, polyelectrolytes of various architectures etc) and biological macromolecules.

- Rheology and Microrheology studies of the dynamics of polymer/polyelectrolyte synthetic and biological solutions.
- Light scattering, X-Ray Photon Correlation Spectroscopy, Fluorescence Correlation Spectroscopy, Optical Coherence Tomography and Dielectric Spectroscopy methods.

CONFERENCES

7 international and 1 national conferences, 3 talks to Universities.

HONORS & AWARDS

PhD Studentship, EPSRC, University of Leeds, United Kingdom (Oct. 2002-September 2005).

Marie Curie Training Studentship, IRC in Polymer Science and Technology, University of Leeds, United Kingdom (Jun. 2001-December 2001).

PUBLICATIONS

13 refereed publications in journals, 10 conference publications or presentations, more than 176 citations.

SELECTED RECENT PUBLICATIONS

1. "Thermo-responsive transition of a PEO-b-PNIPAM copolymer: From hierarchical aggregates to well defined ellipsoidal vesicles", A. Papagiannopoulos, J. Zhao, G. Zhang, S. Pispas and A. Radulescu, [Polymer 54 \(23\), 6373-6380 \(2013\)](#).
2. "Self-Assembled Nanoparticles from a Block Polyelectrolyte in Aqueous Media: Structural Characterization by SANS", A. Papagiannopoulos, M. Karayianni, G. Mountrichas, S. Pispas and A. Radulescu, [Journal of Physical Chemistry B 114, 7482-7488 \(2010\)](#).
3. "Optical coherence tomography picorheology of biopolymer solutions", R.C. Sharma, A. Papagiannopoulos and T.A. Waigh, [Applied Physics Letters 92, 173903 \(2008\)](#).
4. "The viscoelasticity of self-assembled proteoglycan combs", A. Papagiannopoulos, T.A. Waigh and T. Hardingham, [Faraday Discussions 139: The Importance of Polymer Science for Biological Systems 337-357 \(2008\)](#).
5. "Solution Structure and Dynamics of Cartilage Aggrecan", A. Papagiannopoulos, T.A. Waigh, T. Hardingham and M. Heinrich, [Biomacromolecules 7, 2162-2172 \(2006\)](#).

6. "Microrheology of Polymeric Solutions using X-ray Photon Correlation Spectroscopy", A. Papagiannopoulos, T.A. Waigh, A. Fluerasu, C. Fernyhough and A. Madsen, [Journal of Physics: Condensed Matter, 17, L279-L285 \(2005\)](#). Selected in Highlights 2005 ESRF.