

## ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ

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### EDUCATION

- Ph.D. in Physics, University of Leeds, UK (2005)
- M.Sc. in Polymer Science and Technology, University of Patras and University of Ioannina, Greece (2001)
- B.Sc. in Physics, University of Patras, Greece (1998)

### PROFESSIONAL EXPERIENCE AND APPOINTMENTS

06/2019 – present: Associate Researcher, Theoretical and Physical Chemistry Institute, National Hellenic Research Foundation, Greece

01/2019-06/2019: Postdoctoral Research Associate, Institute of Chemical Biology, National Hellenic Research Foundation, Greece

09/2015-12/2018: Postdoctoral Research Associate, Theoretical and Physical Chemistry Institute, National Hellenic Research Foundation, Greece

04/2015-09/2015: Postdoctoral Research Associate, Institute of Electronic Structure and Laser, Foundation for Research and Technology – Hellas, Greece

- 04/2013-03/2015: Postdoctoral Research Associate, Theoretical and Physical Chemistry Institute, National Hellenic Research Foundation, Greece
- 05/2008-06/2009: Postdoctoral Research Associate, School of Applied Mathematical and Physical Sciences, National Technical University of Athens, Greece
- 02/2006-03/2007: Postdoctoral Research Associate, School of Physics and Astronomy, University of Manchester, UK
- 10/2005-1/2006: Postdoctoral Research Associate, School of Physics and Astronomy, University of Leeds, UK
- 6/2001-12/2001: Marie Curie Studentship, School of Physics and Astronomy, University of Leeds, UK

## MAIN RESEARCH INTERESTS

- Nanostructured biomaterials
- Polysaccharide-based nanoparticles
- Biointerfaces
- Biopolymer fluids and hydrogels
- Small angle scattering techniques with neutrons and X-rays
- Rheology and microrheology

## TEACHING EXPERIENCE

- Structural and Chemical Analysis of Materials, Department of Materials Science and Technology, University of Crete, Greece, 02/2017-07/2017.
- Materials Science, Department of Physics, University of Patras, Greece, 10/2016-02/2017.
- Soft Matter (assistance teaching), Graduate programme of Department of Materials Science and Technology, University of Crete, Greece, 05/2015-06/2015.
- Supervision of research project for the practical exercise in the School of Applied Mathematical and Physical Sciences, National Technical University of Athens, Greece, 06/2018-09/2018
- Supervision of research project for the Masters Degree in the Postgraduate Program in the School of Applied Mathematical and Physical Sciences, National Technical University of Athens, Greece, 06/2017-09/2017

- Supervision of research project for the Masters Degree in the Postgraduate Program in Chemistry with specialization on 'Polymer Science and its Applications', Department of Chemistry, National and Kapodistrian University of Athens, Greece, 12/2014-02/2016.
- Physics Laboratory, School of Physics and Astronomy, University of Leeds, United Kingdom (during PhD studies), 03/2003-09/2005.

## PROFESSIONAL AFFILIATIONS & ACTIVITIES

- Member of the Hellenic Society of Biomaterials.
- Member of the Hellenic Polymer Society.
- Reviewer for scientific research journals in the fields of biomaterials, polymers and biopolymers.
- Organizing Committee Member for the Proteins in the World of Synthetic Polymers, National Hellenic Research Foundation, March 2015, Athens, Greece.

## AWARDS AND DISTINCTIONS

- Paper "Bovine serum albumin interactions with cationic surfactant vesicles decorated by a low-molar-mass polysaccharide", A. Papagiannopoulos, *Colloids and Surfaces A* 537, 495 (2018), featured and highlighted by [Medicine Innovates series](#) as key scientific article contributing to excellence in biomedical research (2018).
- Paper "Tuning the solution organization of cationic polymers through interactions with bovine serum albumin", A. Papagiannopoulos, E. Vlassi, S. Pispas, *Physical Chemistry Chemical Physics*, 19 (28), 1847 selected by [Advances in Engineering](#) as key scientific article contributing to excellence in science and engineering research (2018).
- Best oral presentation award in the 11<sup>th</sup> Conference of the Hellenic Society of Biomaterials, 23-25 November 2018, Athens.
- Best poster award in the 1st International Conference: From Drug Discovery to Drug Delivery, 13-15 November 2014, Athens.
- Paper, "Microrheology of Polymeric Solutions using X-ray Photon Correlation Spectroscopy", A. Papagiannopoulos, T.A. Waigh, A. Flueraşu, C. Fernyhough and A. Madsen, *Journal of Physics: Condensed Matter*, 2005, 17, L279-L285 (2005). Selected in [European Synchrotron Radiation Facility \(ESRF\) Highlights 2005](#).
- 5<sup>th</sup> position in the Summer School of Advanced Physics in the Physics Department of the University of Crete 1998.

**SELECTED PUBLICATIONS**

1. "Reorganizations inside thermally stabilized protein/polysaccharide nanocarriers investigated by small angle neutron scattering", A. Papagiannopoulos, E. Vlassi, and A. Radulescu, [Carbohydrate Polymers 218, 218 \(2019\)](#).
2. "Bovine serum albumin interactions with cationic surfactant vesicles decorated by a low-molar-mass polysaccharide", A. Papagiannopoulos, [Colloids and Surfaces A 537, 495 \(2018\)](#).
3. "Modification of xanthan solution properties by the cationic surfactant DTMAB", K. Sotiropoulos, and A. Papagiannopoulos, [International Journal of Biological Macromolecules 105 \(1\), 1213 \(2017\)](#).
4. "Tuning the solution organization of cationic polymers through interactions with bovine serum albumin", A. Papagiannopoulos, E. Vlassi, S. Pispas, and C.J. Jafta, [Physical Chemistry Chemical Physics 19 \(28\), 18471 \(2017\)](#).
5. "Particle tracking microrheology of the power-law viscoelasticity of xanthan solutions", A. Papagiannopoulos, K. Sotiropoulos, and S. Pispas, [Food Hydrocolloids 61, 201 \(2016\)](#).
6. "Solution Structure and Dynamics of Cartilage Aggrecan", A. Papagiannopoulos, T.A. Waigh, T. Hardingham, and M. Heinrich, [Biomacromolecules 7 \(7\), 2162 \(2006\)](#).