

- Adsorption studies of amphiphilic block copolymer micelles and polyelectrolyte micelles, protein adsorption on polyelectrolyte brushes, protein-polyelectrolyte multilayers.

External Funding

Participant in 4 national research projects in collaboration with academic and industrial organizations.

Conferences and Invited Talks

4 international and 3 national conferences.

Publications

4 original publications in refereed journals, co-author of 1 book chapter.

Selected Recent Publications

1. M. Karayianni, G. Mountrichas, S. Pispas, "Solution Behavior of Poly(sodium(sulfamate-carboxylate)isoprene), a pH Sensitive and Intrinsically Hydrophobic Polyelectrolyte", *J. Phys. Chem. B*, 2010, 114 (33), 10748-10755.
2. M. Karayianni, S. Pispas, G. D. Chryssikos, V. Gionis, S. Giatrellis, G. Nounesis, "Complexation of Lysozyme with Poly(sodium(sulfamate-carboxylate)isoprene)", *Biomacromolecules*, 2011, 12 (5), 1697-1706.
3. M. Karayianni, S. Pispas, "Complexation of stimuli-responsive star-like amphiphilic block polyelectrolyte micelles with lysozyme", *Soft Matter*, 2012, 8 (33), 8758-8769.