

Aristeidis Papagiannopoulos

LIST OF PUBLICATIONS

A. PhD THESIS

“The Structure and Dynamics of Polyelectrolyte Combs”, School of Physics and Astronomy, University of Leeds , 2005.

B. INVITED BOOK CHAPTERS

1. A. Papagiannopoulos, *Applications of particle tracking microscopy methods on biomaterials research*, in *Microscopy Science: Last Approaches on Educational Programs and Applied Research*, Edited by E. Torres-Hergueta and A. Méndez-Vilas, Formatex Research Centre, ISBN-13 978-84-947512-3-3 (2019).
2. A. Papagiannopoulos and, S. Pispas, *Pharmaceutical applications of carrageenan*, in *Natural Polymers for Pharmaceutical Applications*, Edited by A.K. Nayak, Md S. Hasnain, S. Venkateshwara, D. Pal, Apple Academic Press, ISBN: 978-1-77188-844-8 (2019).
3. A. Papagiannopoulos and, S. Pispas, *Protein- and nanoparticle-loaded hydrogels studied by small angle scattering and rheology techniques*, in *Hydrogels*, Edited by V.K. Thakur and M.K. Thakur, Springer, ISBN: 978-981-10-6076-2 (2018).
4. A. Papagiannopoulos, *Investigations of Complex Polymer-Based Nanoassemblies With Small Angle Neutron Scattering*, in *Horizons in World Physics vol. 290*, Edited by A. Reimer, Nova Science Publishers, ISBN 978-1-53610-797-5 (2017).
5. A. Papagiannopoulos, *Small Angle Neutron Scattering (SANS)*, in *Microscopy Methods in Nanomaterials Characterization*, Edited by S. Thomas, R. Thomas, A. Zachariah, R. Mishra, Elsevier, ISBN 9780323461412 (2017).
6. A. Papagiannopoulos, *Most popular microrheology techniques*, in *Microrheology with Optical Tweezers: Principles and Applications*, Edited by M. Tassieri, Pan Stanford, ISBN 9789814669184 (2016).
7. A. Papagiannopoulos, and S. Pispas, *Complexes of poly[sodium(sulfamate/Carboxylate)isoprene] with Dodecyltrimethylammonium bromide: Nanoparticles with tunable aggregation*, in *Polyelectrolytes: Theory, Properties and Applications*, Edited by Philip Guerrero, Nova Science Publishers, ISBN: 978-1-63485-836-6 (2016).
8. A. Papagiannopoulos, and S. Pispas , *Mixed Protein/Polymer Nanostructures at Interfaces*, in *Advanced Materials Interfaces*, Edited by A. Tiwari, H.K. Patra and X. Wang, Wiley, ISBN:9781119242604 (2016).

C. PEER REVIEWED JOURNAL PUBLICATIONS

1. A. Papagiannopoulos, E. Vlasi, and A. Radulescu, *Reorganizations inside thermally stabilized protein/polysaccharide nanocarriers investigated by small angle neutron scattering*, [Carbohydrate Polymers](#) **218**, 218 (2019).
2. A. Papagiannopoulos, and S. Pispas, *Temperature-induced aggregation behavior in bovine pancreas trypsin solutions*, S. Trampani, [Biochemical and Biophysical Research Communications](#) **515** (2), 282 (2019).
3. E. Koutsopoulou, A. Papagiannopoulos, G. Tassis, N. Spiliopoulos, and G. Christidis, *Surface Plasmon Resonance study of adhesion kinetics of smectites on the Au/water interface: clay and organo-clay film formation*, [Applied Clay Science](#) **175**, 1 (2019).
4. M. Kanidi, A. Papagiannopoulos, A. Skandalis, M. Kandyla, and S. Pispas, *Thin films of PS/PS-*b*-PNIPAM and PS/PNIPAM polymer blends with tunable wettability*, [Journal of Polymer Science Part B: Polymer Physics](#) **57**, 670 (2019).
5. A. Papagiannopoulos, and E. Vlasi, *Stimuli-responsive nanoparticles by thermal treatment of bovine serum albumin inside its complexes with chondroitin sulfate*, [Food Hydrocolloids](#) **87**, 602 (2019).
6. A. Papagiannopoulos, E. Vlasi, S. Pispas, and J. Houston, *Association and Internal Morphology of Self-Assembled HPPhOx/BSA Hybrid Nanoparticles in Aqueous Solutions*, [Journal of Physical Chemistry B](#) **122** (29), 7426-7435 (2018).
7. E. Vlasi, A. Papagiannopoulos, and S. Pispas, *Hydrolyzed poly(2-phenyl-2-oxazoline)s in aqueous media and biological fluids*, [Macromolecular Chemistry and Physics](#) **219** (1800047), 1 (2018).
8. S.K. Filippov, A. Papagiannopoulos, A. Riabtseva, and S. Pispas, *Adsorption of lysozyme on pH-responsive PBA-*b*-PAA polymeric nanoparticles: stopped-flow SAXS and ITC study*, [Colloid and Polymer Science](#) **296** (7), 1183 (2018).
9. A. Papagiannopoulos, M. Karayianni, S. Pispas, and A. Radulescu, *Formation of complexes in aqueous solutions of amphiphilic triblock polyelectrolytes of different topologies and an oppositely charged protein*, [Soft Matter](#) **14**, 2860 (2018).
10. J.E. Houston, G. Brandl, M. Drochner, G. Kemmerling, R. Engels, A. Papagiannopoulos, M. Sarter, A. Stadler, and A. Radulescu, *The High Intensity Option of the SANS Diffractometer KWS-2 at JCNS - Characterization and Performance of the New Multi-MHz Detection System*, [Journal of Applied Crystallography](#) **51**, 323 (2018).
11. A. Papagiannopoulos, J. Zhao, G. Zhang, S. Pispas, and C.J. Jafta, *Viscosity Transitions Driven by Thermoresponsive Self-Assembly in PHOS-*g*-P(PO-*r*-EO) Brush Copolymer*, [Macromolecules](#) **51** (5), 1644 (2018).
12. A. Papagiannopoulos, A. Meristoudi, S. Pispas, and U. Keiderling, *Thermal response of self-organization in an amphiphilic triblock polyelectrolyte and the influence of the globular protein lysozyme*, [European Polymer Journal](#) **99**, 49 (2018).
13. A. Papagiannopoulos, *Bovine serum albumin interactions with cationic surfactant vesicles decorated by a low-molar-mass polysaccharide*, [Colloids and Surfaces A](#) **537**, 495 (2018).

14. K. Sotiropoulos, and A. Papagiannopoulos, *Modification of xanthan solution properties by the cationic surfactant DTMAB*, [International Journal of Biological Macromolecules](#) **105** (1), 1213 (2017).
15. A. Papagiannopoulos, E. Vlassi, S. Pispas, and C.J. Jafta, *Tuning the solution organization of cationic polymers through interactions with bovine serum albumin*, [Physical Chemistry Chemical Physics](#) **19**, 18471 (2017).
16. E. Vlassi, A. Papagiannopoulos, and S. Pispas, *Self-assembly of poly(ethylene glycol-*b*-phenyl oxazoline) diblock copolymers in aqueous media and their interactions with proteins*, [Colloid and Polymer Science](#) **295**, 1359 (2017).
17. A. Papagiannopoulos, G. Mousdis, and S. Pispas, *Au nanoparticle-corona loaded polystyrene-*b*-quaternized poly(2-vinylpyridine) micelles and their interaction with DNA*, [Macromolecular Chemistry and Physics](#) **218** (3), 1600439 (2017).
18. E. Vlassi, A. Papagiannopoulos, and S. Pispas, *Amphiphilic poly(2-oxazoline) copolymers as self-assembled carriers for drug delivery applications*, [European Polymer Journal](#) **88**, 516 (2017).
19. A. Papagiannopoulos, A. Meristoudi, S. Pispas, and A. Radulescu, *Micelles from HOOC-PnBA-*b*-PAA- $C_{12}H_{15}$ diblock amphiphilic polyelectrolytes as protein nanocarriers*, [Biomacromolecules](#) **17** (11), 3816 (2016).
20. A. Papagiannopoulos, A. Meristoudi, S. Pispas, and U. Keiderling, *Thermoresponsive behavior of micellar aggregates from end-functionalized PnBA-*b*-PNIPAM-COOH block copolymers and their complexes with lysozyme*, [Soft Matter](#) **12** (31), 6547 (2016).
21. A. Papagiannopoulos, K. Sotiropoulos, and A. Radulescu, *Scattering investigation of multiscale organization in aqueous solutions of native xanthan*, [Carbohydrate Polymers](#) **153**, 196 (2016).
22. A. Papagiannopoulos, K. Sotiropoulos, and S. Pispas, *Particle tracking microrheology of the power-law viscoelasticity of xanthan solutions*, [Food Hydrocolloids](#) **61**, 201 (2016).
23. A. Papagiannopoulos, A. Meristoudi, K. Hong, S. Pispas, *Kinetics of temperature response of PEO-*b*-PNIPAM-*b*-PAA triblock terpolymer aggregates and of their complexes with lysozyme*, [Polymer](#) **83**, 111 (2016).
24. A. Radulescu, N. K. Szekely, S. Polachowski, M. Leyendecker, M. Amann, J. Buitenhuis, M. Drochner, R. Engels, R. Hanslik, G. Kemmerling, P. Lindner, A. Papagiannopoulos, V. Pipich, L. Willner, H. Frielinghaus, and D. Richter, *Tuning the instrumental resolution using chopper and TOF data acquisition at the high-intensity / extended Q -range SANS diffractometer KWS-2 of the JCNS*, [Journal of Applied Crystallography](#) **48** (6), 1849 (2015).
25. A. Papagiannopoulos, M. Karayianni, G. Mountrichas, S. Pispas, and A. Radulescu, *Micellar and fractal aggregates formed by two triblock terpolymers with different arrangements of one charged, one neutral hydrophilic and one hydrophobic block*, [Polymer](#) **63**, 134 (2015).
26. A. Papagiannopoulos, A. Christoulaki, N. Spiliopoulos, A. Vradis, C. Toprakcioglu, and S. Pispas, *Complexation of Lysozyme with Adsorbed PtBS-*b*-SCPI Block Polyelectrolyte Micelles on Silver Surface*, [Langmuir](#) **31** (2), 685 (2015).

27. A. Papagiannopoulos, J. Zhao, G. Zhang, S. Pispas, and A. Radulescu, *Thermoresponsive aggregation of PS–PNIPAM–PS triblock copolymer: A combined study of light scattering and small angle neutron scattering*, [European Polymer Journal](#) **56**, 59 (2014).
28. A. Papagiannopoulos, J. Zhao, G. Zhang, S. Pispas, and A. Radulescu, *Thermoresponsive transition of a PEO-*b*-PNIPAM copolymer: From hierarchical aggregates to well defined ellipsoidal vesicles*, [Polymer](#) **54** (23), 6373 (2013).
29. A. Bakandritsos, A. Papagiannopoulos, E. N. Anagnostou, K. Avgoustakis, R. Zboril, S. Pispas, J. Tucek, V. Ryukhtin, N. Bouropoulos, A. Kolokithas-Ntoukas, T.A. Steriotis, U. Keiderling, and F. Winnefeld, *Merging High Doxorubicin Loading with Pronounced Magnetic Response and Bio-repellent Properties in Hybrid Drug Nanocarriers*, [Small](#) **8** (15), 2381 (2012).
30. T.A. Waigh, and A. Papagiannopoulos, *Biological and Biomimetic Comb Polyelectrolytes*, [Polymers](#) **2**, 57 (2010).
31. A. Papagiannopoulos, M. Karayianni, G. Mountrichas, S. Pispas, and A. Radulescu, *Self-Assembled Nanoparticles from a Block Polyelectrolyte in Aqueous Media: Structural Characterization by SANS*, [Journal of Physical Chemistry B](#) **114**, 7482 (2010).
32. A. Papagiannopoulos, C. Fernyhough, T.A.Waigh, and A. Radulescu, *Scattering Study of the Structure of Polystyrene Sulfonate Comb Polyelectrolytes in Solution*, [Macromolecular Chemistry and Physics](#) **209** (24), 2475 (2009).
33. R.C. Sharma, A. Papagiannopoulos, and T.A. Waigh, *Optical coherence tomography picorheology of biopolymer solutions*, [Applied Physics Letters](#) **92**, 173903 (2008).
34. A. Papagiannopoulos, T.A. Waigh, and T. Hardingham, *The viscoelasticity of self-assembled proteoglycan combs*, [Faraday Discussion](#) **139: The Importance of Polymer Science for Biological Systems** 337 (2008).
35. G. Yakubov, A. Papagiannopoulos, E. Rat, and T. Waigh, *Charge and Interfacial Behavior of Short Side-Chain Heavily Glycosylated Porcine Stomach Mucin*, [Biomacromolecules](#) **8** (12), 3791 (2007).
36. G. Yakubov, A. Papagiannopoulos, E. Rat, R. Easton, and T. Waigh, *Molecular Structure and Rheological Properties of Short-Side-Chain Heavily Glycosylated Porcine Stomach Mucin*, [Biomacromolecules](#), **8** (11), 3467 (2007).
37. A. Papagiannopoulos, T.A. Waigh, T. Hardingham, and M. Heinrich, *Solution Structure and Dynamics of Cartilage Aggrecan*, [Biomacromolecules](#) **7**, 2162 (2006).
38. A. Papagiannopoulos, C. Fernyhough, and T.A.Waigh, *The microrheology of polystyrene sulfonate combs in aqueous solution*, [Journal of Chemical Physics](#) **123**, 214904 (2005).
39. A. Papagiannopoulos, T.A.Waigh, A. Fluerasu, C. Fernyhough, and A. Madsen, *Microrheology of Polymeric Solutions using X-ray Photon Correlation Spectroscopy*, [Journal of Physics: Condensed Matter](#) **17**, L279 (2005).
40. T.A. Waigh, A. Papagiannopoulos, A. Voice, R. Bansil, A.P. Unwin, C. Dewhurst, B. Turner, and N. Afdhal, *Entanglement Coupling in Porcine Stomach Mucin*, [Langmuir](#) **18**, 7188 (2002).

D. CONFERENCE PRESENTATIONS

1. E. Koutsopoulou, A. Papagiannopoulos, and G.E. Christidi, *Surface Plasmon Resonance investigation of clay and organo-clay film formation on Au/water interface*, Euroclay 2019, Paris, France (July 2019).
2. A. Papagiannopoulos, *Small Angle Neutron Scattering on Synthetic, Biological and Hybrid Nanomaterials*, European Polymer Congress, Heraklion Greece (June 2019).
3. A. Papagiannopoulos, M-D. Charavgi, P.F. Karakousi, I. Tseti, S. Pispas, E.D. Chrysina, *Structural studies of intrinsically disordered proteins towards the development of formulations for market-oriented pharmaceutical products*, Instruct Biennial Structural Biology Conference, Madrid, Spain (May 2019).
4. A. Papagiannopoulos, and E.Vlassi, *Using polysaccharide/protein complexation and temperature-induced protein denaturation to develop nanocarriers for bioactive substances*, 11th Conference of the Hellenic Society for Biomaterials, Athens, Greece (November 2018).
5. A. Papagiannopoulos, and E.Vlassi, *Development of nanocarriers for nutraceutical substances by polysaccharide/protein complexation and temperature-induced protein denaturation*, 11th Hellenic Polymer Society International Conference, Ioannina, Greece (September 2018).
6. M. Kanidi, A. Papagiannopoulos, A. Skandalis, S. Pispas, and M. Kandyla, *Tunable wettability of thin polymer films*, XXXIII Panhellenic Conference on Solid State Physics and Materials Science, Nicosia, Cyprus (September 2018).
7. T. Moschakis, A. Nikolaidis, M. Andreadis, A. Papagiannopoulos, and C. G. Biliaderis, 17th Food Colloids Conference: Application of Soft Matter Concepts, Leeds, UK (April 2018).
8. A. Papagiannopoulos, and S. Pispas, *Block copolymer based protein nanocarriers: Hierarchical self-assembly and responsiveness*, International Conference on Bio-Medical Instrumentation and related Engineering and Physical Sciences (BIOMEPP 2017), Athens, Greece (October 2017).
9. E. Vlassi, A. Papagiannopoulos, and S. Pispas, *Biocompatible polyoxazoline polymers as gene vectors*, International Conference on Bio-Medical Instrumentation and related Engineering and Physical Sciences (BIOMEPP 2017) Athens, Greece (October 2017).
10. M. Kanidi, A. Papagiannopoulos, A. Skandalis, S. Pispas, and M. Kandyla, *Tunable wettability of thin polymer films on microstructured silicon surfaces*, European congress and exhibition on advanced materials and processes (EUROMAT 2017), Thessaloniki, Greece (September 2017).
11. A. Derpogolian, A. Papagiannopoulos, S. Pispas, P. Zoumpoulakis, G. Heropoulos, and E.D. Chrysina, *Ultrasound as potential "INSTRUCTOR" of protein crystallisation*, Instruct Biennial Structural Biology Conference, Brno, Czech Republic (May 2017).
12. A. Papagiannopoulos, K. Sotiropoulos, and A. Radulescu, *Power-law Viscoelasticity and Hierarchical Morphology in the Polysaccharide Xanthan*, 11th

Hellenic Polymer Society International Conference, Heraklion, Greece (November 2016).

13. A. Derpogolian, A. Papagiannopoulos, S. Pispas, P. Zoumpoulakis, G. Heropoulos, and E. D. Chrysinia, *Crystal growth of biological macromolecules using ultrasonic irradiation*, Smart and Green Interfaces Conference (Jointly with COST MP1106 Annual meeting), Athens, Greece (May 2016).

14. A. Papagiannopoulos, A. Meristoudi, S. Pispas, and A. Radulescu, *Complexation of lysozyme onto the corona of PnBA-b-PAA amphiphilic block copolymer micelles*, International symposium on amphiphilic polymers, networks, gels and membranes (APNGM15), Budapest, Hungary (August 2015).

15. A. Papagiannopoulos, A. Meristoudi, S. Pispas, and A. Radulescu, *Small Angle Neutron Scattering Investigation of Lysozyme Loading on Core-Shell PnBA-b-PAA Micelles*, Challenges in science and technology of polymer materials, Bansko, Bulgaria (May 2015).

16. A. Papagiannopoulos, S. Pispas, C. Toprakcioglu, N. Spiliopoulos, D. Anastassopoulos, and A. A. Vradis, *Complexation of Lysozyme with Adsorbed PtBS-b-SCPI Block Polyelectrolyte Micelles on a Solid/Liquid Interface*, Proteins in the World of Synthetic Polymers, Athens, Greece (March 2015).

17. A. Papagiannopoulos, A. Meristoudi, K. Hong, and S. Pispas, *Temperature Response Kinetics of PEO-b-PNIPAM-b-PAA Triblock Terpolymer Aggregates and PEO-b-PNIPAM-b-PAA / Lysozyme Complexes*, Proteins in the World of Synthetic Polymers, Athens, Greece (March 2015).

18. A. Papagiannopoulos, A. Christoulaki, N. Spiliopoulos, A. Vradis, C. Toprakcioglu, and S. Pispas, *Adsorption of PtBS-b-SCPI block polyelectrolyte micelles and their interactions with lysozyme at the silver/water interface*, 10th Hellenic Polymer Society Conference with International Participation, Patras, Greece (December 2014).

19. A. Papagiannopoulos, A. Meristoudi, K. Hong, and S. Pispas, *Kinetic study of the temperature response of PEO-b-PNIPAM-b-PAA triblock terpolymer aggregates and their complexes with lysozyme*, 10th Hellenic Polymer Society Conference with International Participation, Patras, Greece (December 2014).

20. G. Tassis, E. Koutsopoulou, A. Papagiannopoulos, A. Christoulaki, N. Spiliopoulos, D. L. Anastasopoulos, A. A. Vradis, and G. E. Christidis, *Surface plasmon resonance study of adhesion kinetics of clay minerals*, 10th Hellenic Polymer Society Conference with International Participation, Patras, Greece (December 2014)

21. A. Papagiannopoulos, A. Meristoudi, S. Pispas, and A. Radulescu, *Lysozyme complexation with block polyelectrolyte micellar nanoparticles probed by small angle neutron scattering*, 1st International Conference: From Drug Discovery to Drug Delivery, Athens, Greece (November 2014).

22. A. Papagiannopoulos, A. Meristoudi, and S. Pispas, *Light Scattering Study of PnBA-b-PAA / Lysozyme Complexes*, 2nd International Conference on Bio-Based Polymers and Composites, Visegrad, Hungary, (August 2014).

23. M. Karayianni, A. Papagiannopoulos, and S. Pispas, *Complexation of lysozyme with triblock polyelectrolyte micelles with different coronal structure*, 78th PMM

Frontiers of Polymer Colloids: From Synthesis to Macro-Scale and Nano-Scale Applications, Prague, Czech Republic (July 2014).

24. A. Papagiannopoulos, A. Christoulaki, N. Spiliopoulos, C. Toprakcioglu, S. Pispas, and A. Vradis, *Surface Plasmon Resonance Study of Interactions of Lysozyme with Adsorbed Diblock Polyelectrolyte Micelles*, 20th International Symposium on Surfactants in Solution (SIS 2014), Coimbra, Portugal (June 2014).

25. A. Papagiannopoulos, A. Meristoudi, and S. Pispas, *PnBA-b-PAA / Lysozyme Complexes Studied by Light Scattering*, Strategic pipeline planning: from sample preparation to 3D structure determination with bio SAXS and other biophysical technique, Athens, Greece (April 2014).

26. A. Papagiannopoulos, A. Meristoudi, and S. Pispas, *PnBA-b-PAA / Lysozyme Complexes Studied by Light Scattering*, Strategic pipeline planning: from sample preparation to 3D structure determination with bio SAXS and other biophysical technique; Athens, Greece (April 2014).

27. A. Papagiannopoulos, J. Zhao, G. Zhang, S. Pispas, and A. Radulescu, *Thermoresponsive Transition of a PEO-b-PNIPAM block copolymer: from Hierarchical Aggregates to Well Defined Ellipsoidal Vesicles*, XXIX Panhellenic Conference on Solid State Physics and Materials Science, Athens, Greece (September 2013).

28. A. Papagiannopoulos, M. Karayianni, G. Mountrichas, S. Pispas, and A. Radulescu, *Scattering Study of Complexation of Lysozyme with Triblock Polyelectrolyte Micelles*, XXIX Panhellenic Conference on Solid State Physics and Materials Science, Athens, Greece (September 2013).

29. A. Papagiannopoulos, J. Zhao, S. Pispas, and A. Radulescu, *Thermoresponsive Aggregation of PS-PNIPAM-PS triblock copolymer in aqueous solutions* XXIX Panhellenic Conference on Solid State Physics and Materials Science, Athens, Greece (September 2013).

30. A. Papagiannopoulos, T.E.Hardingham, and T.A. Waigh, *Microrheology of Self-Assembled Proteoglycans*, Microrheology and Rheological Phenomena in Microfluidics; Karlsruhe, Germany (October 2006).

31. A. Papagiannopoulos, T.A. Waigh, T. Hardingham, and M. Heinrich, *The Solution Structure and Dynamics of Cartilage Aggrecan*, Branched Macromolecular Structures EUPOC 2006, Milan, Italy (May 2006).

32. C. M. Fernyhough, A. J. Ryan, T. A. Waigh, and A. Papagiannopoulos, *Synthesis and characterization of biomimetic polystyrene sulfonate combs*, 2005 Fall National ACS Meeting, Division of Polymer Chemistry, Washington DC, USA (August 2005).

33. A. Papagiannopoulos, C.Fernyhough, T.E. Hardingham, and T.A.Waigh, *The Structure and Dynamics of Polyelectrolyte Combs*, Soft Condensed Matter Physics in Molecular and Cell Biology, NATO ASI and SUSSP59, Edinburgh, UK (March 2004).

34. A. Papagiannopoulos, C.Fernyhough, T.E. Hardingham, and T.A.Waigh, *The Structure and Dynamics of Polyelectrolyte Combs*, Colloidal, Macromolecular & Polyelectrolyte Solutions, Ventura Beach California, USA (February 2004).

35. A. Papagiannopoulos, C. Fernyhough, T.E. Hardingham, and T.A.Waigh, *Particle*

Tracking Microrheology Methods for the Study of Synthetic and Biological Polymer Solutions, IOP Polymer Group - The Physics of Biological Polymers, London, United Kingdom (August 2003).

36. C. Toprakcioglu, A. Papagiannopoulos, Y. S. Hiotelis, D.L. Anastassopoulos, A. A. Vradis, *Polyelectrolytes at the Solid/Liquid Interface: Structure and Interactions*, IOP Complex Fluids Meeting, London, UK (July 2002)

37. Y.S. Hiotelis, A. Papagiannopoulos, Anastassopoulos, A. A. Vradis, and C. Toprakcioglu, *Study of the adsorption of polyelectrolytes on surfaces with direct measurements of forces between chains and with neutron reflectance*, XVIII Panhellenic Conference on Solid State Physics and Materials Science, Heraklion, Greece (September 2002).

38. A. Papagiannopoulos, Anastassopoulos, A. A. Vradis, and C. Toprakcioglu, *Neutron reflectivity study of polymer brushes under shear*, IOP Polymer Physics Group Biennial Meeting (September 2001).

E. CONFERENCE PROCEEDINGS

1. “Water and protein dynamics in protein water mixtures studied by dielectric techniques”, A. Papagiannopoulos, P. Pissis, A. Kyritsis, N. Shinyashiki, S. Yagihara, W. Yamamoto, T. Yoshinari, Proc. ISEMA 2009, “8th International Conference on Electromagnetic Wave Interaction with Water and Moist Substances”, June 2009, Helsinki, Finland. (oral presentation)

F. RESEARCH HIGHLIGHTS and NEWSLETTERS

1. A. Papagiannopoulos, *Interactions between cationic surfactant vesicles and BSA are enhanced by incorporation of Na-HA even though they become like-charged*, highlight in Medicine Innovates series as key scientific article contributing to excellence in biomedical research (2018).

2. A. Papagiannopoulos, E. Vlassi, and S. Pispas, *Tuning the solution organization of cationic polymers through interactions with bovine serum albumin*, selected as *Key scientific article contributing to excellence in science and engineering research*, Advances in Engineering 2018.

3. A. Papagiannopoulos, *Small Angle Neutron Scattering on Soft Self-Assembled Synthetic, Biological and Hybrid Nanostructures*, Research Note, Hellenic Neutron Association Newsletter 3 2018.

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