

CIRRICULUM VITAE

PERSONAL INFORMATION

Name: Asterios (Stergios) Pispas
Date of birth: October 16, 1967
Marital status: Married, one son
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CURRENT POSITION(S)

05.2014 – present Director of Research, Theoretical and Physical Chemistry Institute, National Hellenic Research Foundation, Greece (TPCI/NHRF)
06.2013 – present Member of the Scientific Council of TPCI/NHRF

PREVIOUS POSITIONS

05.2009 – 04.2014 Senior Researcher, TPCI/NHRF
05.2004 – 04.2009 Associate Researcher, TPCI/NHRF
10.1997 – 04.2004 Research Associate, Department of Chemistry, National and Kapodistrian University of Athens, Greece
04.2001 - 04.2004 Visiting Researcher, National Hellenic Research Foundation, Athens, Greece
07.1994 – 12.1995 Post-Doctoral Fellow, Department of Chemistry, University of Alabama at Birmingham, USA
07.2016 – 09.2020 Chairman of the Scientific Council of TPCI/NHRF

EDUCATION

10.1985 - 08.1989 B.S. in Chemistry, Department of Chemistry, National and Kapodistrian University of Athens, Greece
05.1990 - 06.1994 Ph.D. in Chemistry, Department of Chemistry, National and Kapodistrian University of Athens, Greece

PUBLICATIONS

More than 420 original research papers in refereed journals, including more than 20 invited review articles and over 30 publications in conference proceedings. 29 chapters in books and encyclopedias. Co-author of three books.

More than 10500 citations and h-index=45 (Scopus). Over 14500 citations (Google Scholar).

CONFERENCES/WORKSHOPS/etc.

62 invited talks in conferences and academic organizations. More than 500 oral and poster presentations at conferences.

MEMBERSHIPS & REVIEWING ACTIVITIES

2022- Member of the Editorial Advisory Board of Colloids and Polymer Science, Springer
2018 - Editor of Polymers-MDPI
2017 - ERC-CoG Panel Member
2017 - Member of the Editorial Advisory Board of the European Polymer Journal, Elsevier
2003-2012 Editor for the European Physical Journal E: Soft Matter and Biological Physics

- 2003 Guest Editor for Special Issue “Designed chemical structures for self-assembly in polymers”, European Physical Journal E: Soft Matter (January 2003 issue).
- 1990 - Member of the Association of Greek Chemists
- 1990 - Member of the Hellenic Polymer Society
- 2014 - Member of the Hellenic Society of Biomaterials.
Member of the Governing Board of HSB (elected 2018)
- 2014 - Member of the Hellenic Society of Thermal Analysis
- 2004 - Reviewer/evaluator of National and International project proposals (EU, NSF-USA, Swiss National Science Foundation, Dutch Research Council-NOW, Polish Ministry of Education, Czech Academy of Sciences. National: GSRI, GSSF, HFRI, Ministry of Education).
- 1994 - Reviewer for several international journals (more than 100).

TEACHING ACTIVITIES (in Graduate Programs)

- 2004 - “Polymer Science and its Industrial Applications”, Dept. of Chemistry, NKUA, Greece.
- 2018 - “Microsystems and Nanodevices”, NTUA, Greece.
- 2018 - “Nanomedicine”, Depts of Medicine and Pharmacy, NKUA, Greece.

SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

2004 - 2021 12 Postdocs / 27 PhD / 35 MSc students.

FELLOWSHIPS/AWARDS

- 1995 The American Institute of Chemists Foundation Award for Outstanding Post-doctoral Fellow
- 2003 The American Chemical Society A. K. Doolittle Award, USA.
- 2014 Silver Medal Award for “Material for Photonic Applications” at INST 2014 Taipei International Invention Show and Technomart, September 18-21, 2014, Taiwan.
- 2006 Distinguished Visiting Scholar, Fudan University, P. R. China, travelling grand (May-June 2006).
- 2018 Distinguished Visiting Scholar, Polish Academy of Sciences, Center of Polymer and Carbon Materials, Zabrze, Poland, travelling grant (October 2018).
- 2013 Featured article on the ChemViewsMagazine: Chem.- A Eur. J. 2013, 19, 9286.

Highlighted articles in Advances in Engineering: i) 2015: J. Polym. Sci. Part B: Polym. Phys., 2014, 52, 46, ii) 2018: J. Mater. Chem. B, 2017, 5397, iii) 2018: PCCP, 2017, 19, 18471, iv) 2020: Eur. Polym. J. 2020, 135, 109867.

RESEARCH GRANTS (last ten years)

Participation in 32 national and EU projects (12 as PI, including 5 direct contracts with industry). Total funding for TPCI/NHRF > 1.5M €.

1. ARISTEIA I, I.D.: 1129 “NANOMACRO - Functional Self-assembled Nanostructures from Block Copolymers and Proteins”. GSRT, 2012-2015, PI, 300K €.
2. THALIS MIS: 380212, I.D.: 563 “MAGNANODRUGS - Development of multifunctional magnetic nanoparticles for the targeted delivery of anticancer drugs”, Greek Ministry of Education, 2012-2015, Co-PI, 110K €.
3. THALIS MIS: 379412, I.D.: 593 “Development of composite material and related processes of application and structural integrity monitoring for aerospace applications with potentiality for self-healing”, Greek Ministry of Education, 2012-2015, Task Leader, 25K €.
4. REGPOT “POLINNOVA”, GA No. 316086, EU-FP 7, 2013-2015, Partner Group Leader & Member of the Scientific Advisory Board of the project, 120K €.

5. INSPIRED MIS 5002550 “The National Research Infrastructures on Integrated Structural Biology, Drug Screening Efforts and Drug Target Functional Characterization”, GSRT, 2018-2022, Co-PI, 40K €.
6. NANOSHIELD, MIS: 5067585, ID: T2EAK-02113 “New generation, safe, nanotechnological products to control plant diseases while improving plant health’, GSRI, 2020-2023, Co-PI, 196K €.

PUBLICATIONS

A. Publications in refereed journals

1. S. Pispas, N. Hadjichristidis, “End Functionalized Block Copolymers of Styrene and Isoprene: Synthesis and Association Behavior in Dilute Solutions”, *Macromolecules* 1994, 27, 1891.
2. S. Pispas, N. Hadjichristidis, J. W. Mays, “Association of End-Functionalized Block Copolymers. Light Scattering and Viscometric Studies”, *Macromolecules* 1994, 27, 6307.
3. G. Floudas, T. Pakula, E. W. Fischer, N. Hadjichristidis, S. Pispas, “Ordering Kinetics in a Symmetric Diblock Copolymer”, *Acta Polymerica* 1994, 45, 176.
4. A. Rizos, K. L. Ngai, S. Pispas, N. Hadjichristidis, “Solvent Reorientation in Block Copolymer Solutions”, *Journal of Noncrystalline Solids* 1994, 172-174, 786.
5. G. Floudas, G. Fytas, S. Pispas, N. Hadjichristidis, T. Pakula, A. R. Khokhlov, “Statics and Dynamics of ω -Functionalized Block Copolymers of Styrene and Isoprene”, *Macromolecules* 1995, 28, 5109.
6. S. Pispas, M. Pitsikalis, N. Hadjichristidis, P. Dardani, F. Morandi, “Anionic Polymerization of Isoprene, Butadiene and Styrene with 3-Dimethylaminopropyllithium”, *Polymer* 1995, 36, 3005.
7. S. Allorio, S. Pispas, E. Siakali-Kioulafa, N. Hadjichristidis, “Hydrodynamic Behavior of Anionically Prepared Linear Polyisoprenes and Polystyrenes in Carbon Tetrachloride”, *J. Polym. Sci.: Part B: Polym. Phys.* 1995, 33, 2229.
8. A. Borlenghi, M. Pitsikalis, S. Pispas, N. Hadjichristidis, “Association Behavior of Linear \square -Functionalized Polystyrenes in Dilute Solutions”, *Macromol. Chem. and Phys.* 1995, 196, 4025.
9. K. Karatasos, S. H. Anastasiadis, G. Floudas, G. Fytas, S. Pispas, N. Hadjichristidis, T. Pakula, “Composition Fluctuations Effects on Dielectric Normal-Mode Relaxation in Diblock Copolymers. 2. Disordered State in the Proximity to the ODT and Ordered State”, *Macromolecules* 1996, 29, 1326.
10. S. Pispas, N. Hadjichristidis, J. W. Mays, “End-Functionalized Block Copolymers of Styrene and Isoprene. A DSC Study”, *Polymer* 1996, 37, 3989.
11. S. Pispas, S. Allorio, N. Hadjichristidis, J. W. Mays, “Micellization of \square -Functionalized Poly(styrene-*b*-isoprene) Copolymers in *n*-Decane”, *Macromolecules* 1996, 29, 2903.

12. G. Floudas, S. Pispas, N. Hadjichristidis, T. Pakula, I. Erukhimovich, "Microphase Separation in Star Block Copolymers of Styrene and Isoprene. Theory, Experiment and Simulation.", *Macromolecules* 1996, 29, 4142.
13. D. J. Pochan, S. P. Gido, S. Pispas, J. W. Mays, A. J. Ryan, J. P. A. Fairclough, N. I. W. Hamley, N. J. Terrill, "Morphologies of Microphase-Separated A2B Simple Graft Copolymers", *Macromolecules* 1996, 29, 5091.
14. D. J. Pochan, S. P. Gido, S. Pispas, J. W. Mays, "Morphological Transitions in an I2S Simple Graft Block Copolymer: From Folded Sheets to Folded Lace to Randomly Oriented Worms at Equilibrium", *Macromolecules* 1996, 29, 5099.
15. S. P. Gido, C. Lee, D. J. Pochan, S. Pispas, J. W. Mays, N. Hadjichristidis, "Synthesis, Characterization, and Morphology of Model Graft Copolymers with Trifunctional Branch Points", *Macromolecules* 1996, 29, 7022.
16. S. Pispas, N. Hadjichristidis, J. W. Mays, "Micellization of Model Graft Copolymers of the H and π Type in Dilute Solutions", *Macromolecules* 1996, 29, 7378.
17. G. Agrawal, R. P. Wool, W. D. Dozier, G. P. Felcher, J. Zhou, S. Pispas, J. W. Mays, T. P. Russell, "Interdiffusion of Polymers Across Interfaces", *J. Polym. Sci.: Part B: Polym. Phys.* 1996, 34, 2919.
18. S. H. Anastasiadis, K. Chrissopoulou, G. Fytas, G. Fleischer, S. Pispas, M. Pitsikalis, J. W. Mays, N. Hadjichristidis, "Self-Diffusivity in Block Copolymer Solutions. 2. A2B Simple Grafts", *Macromolecules* 1997, 30, 2445.
19. X. Wang, Z. Xu, Y. Wan, T. Huang, S. Pispas, J. W. Mays, C. Wu, "Effects of Deuteration of a Polystyrene Chain on its Thermodynamics and Hydrodynamics in Cyclohexane around the Flory θ -Temperature: The Static and Dynamic Laser Light Scattering Investigation", *Macromolecules* 1997, 30, 7202.
20. S. Pispas, Y. Poulos, N. Hadjichristidis, "Micellization Behavior of (PS)₈(PI)₈ Miktoarm (Vergina) Star Copolymers", *Macromolecules* 1998, 31, 4177.
21. K. A. Welp, R. P. Wool, S. K. Satijia, S. Pispas, J. W. Mays, "Dynamics of Polymer Interdiffusion: The Ripple Experiment", *Macromolecules* 1998, 31, 4915.
22. S. Pispas, A. Avgeropoulos, N. Hadjichristidis, J. Roovers, "Hydrodynamic Properties of A8B8 Type Miktoarm (Vergina) Stars", *J. Polym. Sci.: Part B: Polym. Phys.* 1999, 37, 1329.
23. K. A. Welp, R. P. Wool, G. Agrawal, S. K. Satijia, S. Pispas, J. W. Mays, "Direct Observation of Polymer Dynamics: Mobility Comparison between Central and End Section Chain Segments", *Macromolecules* 1999, 32, 5127.
24. S. Sigel, S. Pispas, D. Vlassopoulos, N. Hadjichristidis, G. Fytas, "Structural Relaxation of Dense Suspensions of Soft Giant Micelles", *Phys. Rev. Lett.* 1999, 83, 4666.

25. M. Pitsikalis, S. Sioula, S. Pispas, N. Hadjichristidis, D. C. Cook, J. Li, J. W. Mays, "Linking Reactions of Living Polymers with Bromomethylbenzene Derivatives: Synthesis and Characterization of Star Homopolymers and Graft Copolymers with Polyelectrolyte Branches", *J. Polym. Sci.: Part A: Polym. Chem.* 1999, 37, 4337.
26. S. Sigel, S. Pispas, N. Hadjichristidis, D. Vlassopoulos, G. Fytas, "Dynamic Structure Factor of Diblock Copolymer Solutions in the Disordered State. 1. Far from the Ordering Transition", *Macromolecules* 1999, 32, 8447.
27. S. Pispas, G. Floudas, N. Hadjichristidis, "Microphase Separation in ABC Block Copolymers with a Short but Strongly Interacting Middle Block", *Macromolecules* 1999, 32, 9074.
28. S. Pispas, N. Hadjichristidis, I. Potemkin, A. Khohlklov, "Effect of Architecture on the Micellization Properties of Block Copolymers: A2B Miktoarm stars vs AB Diblocks", *Macromolecules* 2000, 33, 1741.
29. S. Pispas, N. Hadjichristidis, "Synthesis and Dilute Solution Properties of Styrene-Isoprene Diblock Copolymers with Mesogenic-Zwitterionic End Groups", *Macromolecules* 2000, 33, 1741.
30. S. H. Anastasiadis, F. Rittig, K. Chrissopoulou, G. Fleischer, G. Fytas, A. N. Semenov, J. Karger, M. Xenidou, S. Pispas, N. Hadjichristidis, "Chain Trapping in Diblock Copolymers Near the Ordering Transition", *Europhysics Letters* 2000, 51, 68.
31. S. Pispas, N. Hadjichristidis, "Block Copolymers with Zwitterionic Groups at Specific Sites: Synthesis and Aggregation Behavior in Dilute Solutions", *J. Polym. Sci.: Part A: Polym. Chem.* 2000, 38, 3791.
32. T. Tsoukatos, S. Pispas, N. Hadjichristidis, "Complex Macromolecular Architectures by Combining TEMPO Living Free Radical and Anionic Polymerization", *Macromolecules* 2000, 33, 9504.
33. T. Tsoukatos, S. Pispas, N. Hadjichristidis, "Star-Branched Polystyrenes by Nitroxide Living Free-Radical Polymerization", *J. Polym. Sci.: Part A: Polym. Chem.* 2001, 39, 320.
34. D. Vlassopoulos, G. Fytas, S. Pispas, N. Hadjichristidis, "Spherical Polymeric Brushes Viewed as Soft Colloidal Particles: Zero-Shear Viscosity", *Physica B* 2001, 296, 184.
35. P. Hondrokoukes, G. Floudas, S. Pispas, N. Hadjichristidis, "Microphase Separation in Normal and Inverse Tapered Block Copolymers of Polystyrene and Polyisoprene. 1. Phase State", *Macromolecules* 2001, 34, 650.
36. P. Moschogianni, S. Pispas, N. Hadjichristidis, "Multifunctional ATRP Initiators: Synthesis of Four-arm Star Homopolymers of Methyl Methacrylate and Graft Copolymers of Polystyrene and Poly(*t*-butyl methacrylate)", *J. Polym. Sci.: Part A: Polym. Chem.* 2001, 39, 650.
37. L. Yang, S. P. Gido, J. W. Mays, S. Pispas, N. Hadjichristidis, "Phase Behavior of I2S Single Graft Block Copolymer/Homopolymer Blends", *Macromolecules* 2001 34, 4235.

38. G. Floudas, S. Pispas, N. Hadjichristidis, T. Pakula, "Effect of Zwitterion Substitution on the Structure and Dynamics of Asymmetrically Substituted Polystyrene-block-Polyisoprene Diblock and Triblock Copolymers", *Macromol. Chem. Phys.* 2001, 202, 1488.
39. I. Chalari, S. Pispas, N. Hadjichristidis, "Controlled Free Radical Polymerization of 2-Vinylpyridine in the Presence of Nitroxides", *J. Polym. Sci.: Part A: Polym. Chem.* 2001, 39, 2889.
40. D. Pantazis, S. Pispas, N. Hadjichristidis, "Synthesis and Stability of Linear and Star Polymers Containing [C60] Fullerene", *J. Polym. Sci.: Part A: Polym. Chem.* 2001, 39, 2494.
41. P. Hondrokoukes, S. Pispas, N. Hadjichristidis, "Controlling Micellar Properties of Styrene/Isoprene Copolymers by Altering the Monomer Arrangement along the Chain", *Macromolecules* 2002, 35, 834.
42. S. Pispas, E. Siakali-Kioulafa, N. Hadjichristidis, T. Mavromoustakos, "Block Copolymers with Crystalline/Amorphous, Crystalline/Polyelectrolyte and Amorphous/Polyelectrolyte Blocks", *Macromol. Chem. Phys.* 2002, 203, 1317.
43. K. Sotiriou, A. Nannou, G. Velis, S. Pispas, "Micellization Behavior of PS(PI)₃ Miktoarm Star Copolymers", *Macromolecules* 2002, 35, 4106.
44. R. Sigel, G. Fytas, N. Vainos, S. Pispas, N. Hadjichristidis, "Pattern Formation in Homogeneous Polymer Solutions Induced by a Continuous-Wave Visible Laser", *Science* 2002, 297, 67.
45. P. Holmqvist, S. Pispas, R. Sigel, N. Hadjichristidis, G. Fytas, "Dynamic Structure Factor of Diblock Copolymer Solutions in the Disordered State. 2. Effect of Composition Polydispersity", *Macromolecules* 2002, 35, 3157.
46. F. J. M. Schipper, G. Floudas, S. Pispas, N. Hadjichristidis, T. Pakula, "The Phase State of Poly(butadiene-*b*-*tert*-butylmethacrylate) and Poly(ethylene-*b*-*tert*-butylmethacrylate) Diblock Copolymers", *Macromolecules* 2002, 35, 8860.
47. M-K. Park, J. H. Youk, S. Pispas, N. Hadjichristidis, R. Advincula, "Adsorption Behavior of Polystyrene-Polyisoprene) Diblock Copolymers with Zwitterionic Groups Using Quartz Crystal Microbalance: Effect of Different Microstructures", *Langmuir* 2002, 18, 8040.
48. R. Advincula, Q. Zhou, M. Park, S. Wang, J. W. Mays, G. Sakellariou, S. Pispas, N. Hadjichristidis, "Polymer Brushes by Living Anionic Surface Initiated Polymerization on Flat Silicon (SiO_x) and Gold Surfaces: Homopolymers and Block Copolymers", *Langmuir* 2002, 18, 8672.
49. S. Pispas, N. Hadjichristidis, "Aggregation Behavior of Poly(butadiene-*b*-ethylene oxide) Block Copolymers in Dilute Aqueous Solutions: Effect of Concentration, Temperature, Ionic Strength and Type of Surfactant", *Langmuir* 2003, 19, 48.
50. S. Pispas, G. Floudas, T. Pakula, G. Lieser, G. Sakellariou, N. Hadjichristidis, "Miktoarm Block Copolymer Formation via Ionic Interactions", *Macromolecules* 2003, 36, 759.

51. P. Holmqvist, S. Pispas, N. Hadjichristidis, G. Fytas, R. Sigel, "Dynamic Structure Factor of Diblock Copolymers Solutions in the Disordered State. 3. The Non-Mean-Field Regime", *Macromolecules* 2003, 36, 830.
52. G. Sakellariou, S. Pispas, N. Hadjichristidis, "Model \square -Functionalized Linear Polystyrenes with One, Two and Three Sulfobetaine End Groups: Synthesis, Characterization and Association Behavior", *Macromol. Chem. Phys.* 2003, 204, 146.
53. S. H. Anastasiadis, H. Retsos, S. Pispas, N. Hadjichristidis, S. Neophytidis, "Smart Polymer Surfaces", *Macromolecules* 2003, 36, 1994.
54. K. Orfanou, D. Topouza, G. Sakellariou, S. Pispas, "Graft-like Interpolymer Complexes from Poly(2-vinylpyridine) and End-sulfonic acid Polystyrene and Polyisoprene: Intermediates to Non-covalently Bonded Block Copolymer-like Micelles", *J. Polym. Sci.: Part A: Polym. Chem.* 2003, 41, 2454.
55. S. Pispas, N. Hadjichristidis, "Micellization Behavior of Poly(butadiene-*b*-sodium methacrylate) Copolymers in Dilute Aqueous Media", *Macromolecules* 2003, 36, 8732.
56. K. Sotiriou, S. Pispas, N. Hadjichristidis, "Effect of the end-positioning of lithium sulfonate group on the aggregation and micellization behavior of \square -lithiumsulfonate poly(styrene-*b*-isoprene)s", *Macromol. Chem. Phys.* 2004, 205, 55.
57. C. M. Fernyhough, I. Chalari, S. Pispas, N. Hadjichristidis, "Micellar Behavior of a Well-defined Dendritic Polymer (PS₂PI)₃: The Effects of Architecture and Solvent Selectivity", *Eur. Polym. J.* 2004, 40, 73.
58. C. M. Fernyhough, D. Pantazis, S. Pispas, N. Hadjichristidis, "The Micellar Behavior of Linear Triblock Terpolymers of Styrene (S), Isoprene (I), and Methyl Methacrylate (MMA) in Selective Solvents for PS and PMMA", *Eur. Polym. J.* 2004, 40, 237.
59. H. Retsos, S. H. Anastasiadis, S. Pispas, J. W. Mays, N. Hadjichristidis, "Interfacial Tension in Binary Polymer Blends in the Presence of Block Copolymers: II. Effects of Additive Architecture and Composition", *Macromolecules* 2004, 37, 524.
60. M. Al-Hussein, W. H. de Jeu, L. Vranichar, S. Pispas, N. Hadjichristidis, T. Itoh, J. Watanabe, "Bulk and Thin Film Ordering in Side-Chain Liquid-Crystalline/Amorphous Diblock Copolymers: The Role of Chain Length", *Macromolecules* 2004, 37, 6401.
61. P. Holmqvist, G. Fytas, S. Pispas, N. Hadjichristidis, K. Saijo, H. Tanaka, T. Hashimoto, "Solvent Quality, Phase Coexistence, and Dynamics in Ultrahigh Molecular Weight Diblock Copolymer Solutions", *Macromolecules* 2004, 37, 4909.
62. D. Topouza, K. Orfanou, S. Pispas, "Thermosensitive Non-covalently Bonded Block Copolymerlike Micelles from Interpolymer Complexes", *J. Polym. Sci. Part A: Polym. Chem.* 2004, 42, 6230.

63. G. Koutalas, S. Pispas, N. Hadjichristidis, "Micelles of poly(isoprene-b-2-vinylpyridine-b-ethylene oxide) terpolymers in aqueous media and their interaction with surfactants", *Eur. Phys. J. E* 2004, 15, 457.
64. G. Mountrichas, M. Mpiri, S. Pispas, "Micelles of Star Block (PSPI)₈ and PSPI Diblock Copolymers (PS=Polystyrene, PI= Polyisoprene): Structure and Kinetics of Micellization", *Macromolecules* 2005, 38, 940.
65. T. Grigorova, S. Pispas, N. Hadjichristidis, T. Thurn-Albrecht, "Magnetic Field Induced Orientation in Diblock Copolymers with one Crystallizable Block", *Macromolecules* 2005, 38, 7430.
66. G. Manasis, A. Tsigara, A. Giannoudakos, G. Anyfantis, K. Gatsouli, G. Mousdis, S. Pispas, N. Madamopoulos and N. Vainos, "Cobalt chloride based nanocomposite humidity sensors", *Glass Technology* 2005, 46, 171.
67. K.D. Gatsouli, S. Pispas, G. Mousdis, G.C. Papavassiliou, and E.I. Kamitsos, "Hybrid materials based on CdS and CdSe nanoparticles in glassy block copolymers", *Phys. Chem. Glasses* 2005, 46, 197.
68. K.D. Gatsouli, S. Pispas, G. Mousdis, N. Vainos, P. Alukos, E. Xerogiannopoulou and S. Couris, "Nonlinear optical properties of fullerene-organic glassy polymer composites", *Glass Technology* 2005, 46, 62.
69. S. Pispas, "Double Hydrophilic Block Copolymers of Sodium(2-sulfamate-3-carboxylate) Isoprene and Ethylene Oxide", *J. Polym. Sci. Part A: Polym. Chem.* 2006, 44, 606.
70. C. Vasilev, G. Reiter, S. Pispas, N. Hadjichristidis, "Crystallization of block copolymers in restricted cylindrical geometries", *Polymer* 2006, 47, 330.
71. G. Mountrichas, C. Mantzaridis, S. Pispas, "Well-defined flexible polyelectrolytes with two cationic sites per monomeric unit", *Macromol. Rapid Comm.* 2006, 27, 289.
72. S. Pispas, "Soluble complexes of sodium poly(isoprene-b-methacrylate) micelles with cationic surfactants in aqueous media", *J. Phys. Chem. B* 2006, 110, 2649.
73. G. Mountrichas, S. Pispas, "Synthesis and pH responsive self-assembly of new double hydrophilic block copolymers", *Macromolecules* 2006, 39, 4767.
74. M. Konstantaki, S. Pissadakis, S. Pispas, N. Madamopoulos, N. A. Vainos "Optical fiber long-period grating humidity sensor with poly(ethylene oxide)/cobalt chloride coating", *Appl. Optics* 2006, 45, 4567.
75. S. Pispas, D. Vlassopoulos, G. Fytas, B. Loppinet, N. Hadjichristidis, "Modifying the rheological behavior of associative triblock copolymer in aqueous media through surfactant additives", *Polymer* 2006, 47, 7302.

76. K. Sotiriou, S. Pispas, N. Hadjichristidis, "Controlling the colloidal behavior of styrene-isoprene diblock copolymers by selective end functionalization", *Colloids & Surfaces A: Physicochem. Eng. Aspects* 2007, 293, 51.
77. A. Tsigara, G. Mountrichas, K. Gatsouli, A. Nichelatti, S. Pispas, N. Madamopoulos, N. A. Vainos, H. Du, F. Roubani-Kalantzopoulou, "Hybrid polymer/cobalt chloride humidity sensors based on optical diffraction", *Sensors & Actuators B* 2007, 120, 481.
78. S. Pispas, "Complexes of lysozyme with sodium (sulfamate-carboxylate)isoprene/ethylene oxide double hydrophilic block copolymers", *J. Polym. Sci. Part A: Polym. Chem.* 2007, 45, 509.
79. G. Mountrichas, S. Pispas, N. Tagmatarchis, "Aqueous carbon nanotube-amphiphilic block copolymer nanoensembles: Towards realization of charge-transfer processes with semiconductor quantum dots", *Small* 2007, 3, 404.
80. G. Mountrichas, S. Pispas, E. Xenogiannopoulou, P. Aloukos, S. Couris, "Aqueous dispersions of C60 fullerene by use of amphiphilic block copolymers: Preparation and nonlinear optical properties", *J. Phys. Chem. B* 2007, 111, 4315.
81. S. Pispas, E. Sarantopoulou, "Self-assembly in mixed aqueous solutions of amphiphilic block copolymers and vesicle-forming surfactant", *Langmuir* 2007, 23, 7484.
82. E. Sarantopoulou, K. Gatsouli, Z. Kollia, S. Pispas, S. Kobe, J. Kovac, "Micro/nano self assembled 2D structures of block copolymer/Fe hybrids", *Phys. Stat. Sol. A* 2007, 204, 1835.
83. G. Mountrichas, S. Pispas, N. Tagmatarchis, "Synthesis and solution behavior of carbon nanotubes decorated with amphiphilic block polyelectrolytes", *J. Phys. Chem. B* 2007, 111, 8369.
84. S. Pispas, "Complexes of polyelectrolyte-neutral double hydrophilic block copolymers with oppositely charged surfactant and polyelectrolyte", *J. Phys. Chem. B* 2007, 111, 8351.
85. G. Mountrichas, S. Pispas, N. Tagmatarchis, "Grafting living polymers onto carbon nanohorns", *Chem. Eur. J.* 2007, 13, 7595.
86. D. Tasis, S. Pispas, C. Galiotis, N. Bouropoulos, "Growth of calcium carbonate on non-covalently modified carbon nanotubes", *Materials Letters* 2007, 61, 5044.
87. K. D. Gatsouli, S. Pispas, E. I. Kamitsos, "Development and optical properties of cadmium sulfide and cadmium selenide nanoparticles in amphiphilic block copolymer micellar-like aggregates", *J. Phys. Chem. C* 2007, 111, 15201.
88. G. Mountrichas, S. Pispas, "Novel double hydrophilic block copolymers based on poly(p-hydroxystyrene) derivatives and poly(ethylene oxide)", *J. Polym. Sci. Part A: Polym. Chem.* 2007, 45, 5790.

89. V. Papadimitriou, S. Pispas, S. Syriou, A. Pournara, M. Zoumpantioti, T. G. Sotiroudis, A. Xenakis, "Biocompatible microemulsions based on limonene: Formulation, structure, and applications", *Langmuir* 2008, 24, 3380.
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28. M. Lamprou, Y. Sarigiannis, A. Bakandritsos, K. Avgoustakis, F. Winnefeld, S. Pispas, A. Meristoudi, R. Zboril, and E. Papadimitriou, "Effects of poly(methacrylic acid)-graft-poly(ethylene

glycol) coated magnetic nanoparticles on drug delivery to endothelial and cancer cells”, *Angiogenesis* 2014, 7, 758.

29. N. Pippa, S. Pispas, C. Demetzos, “Bio-inspired chimeric drug delivery nano systems (Chi-DDnSs): Their fractal hologram and regulatory aspects”, *Advances in Experimental Medicine and Biology* 2015, 822, 199.

30. M-K. Park, G. Sakellariou, S. Pispas, N. Hadjichristidis, J. W. Mays, A. Advincula, “Understanding the morphologies and polymerization mechanism of homopolymer and block copolymer brushes by living anionic surface initiated polymerization”, *Polymer/metal interfaces and defect mediated phenomena in ordered polymers* 2003, 734, 423-429. (2002 MRS Fall Meeting, Boston MA, USA, December 2-6, 2002).

31. A. Tsigara, L. Athanasekos, J. Manasis, G. Mousdis, S. Pispas, N. Madamopoulos, N. Vainos, “Inorganic and hybrid polymer-inorganic nanostructured materials, for optical physicochemical sensing applications”, *ROMOPTO 2006: 8th Conference on Optics*, 2007, 6785, G7851-G7851 (Sibiu, Romania, September 4-7, 2006).

32. A. Petropoulou, T.J. Gibson, E. Themistou, S. Pispas and C. Riziotis, “Amphiphilic block copolymer based photonic platform towards efficient protein detection”, *SPIE/COS Photonics Asia 2016, Proc. SPIE 10025, Advanced Sensor Systems and Applications VII*, 100250M-100250M-6 (2016).

33. M. Kanidi, A. Papagiannopoulos, A. Matei, M. Dinescu, S. Pispas, and M. Kandyla, “Functional surfaces of laser-microstructured silicon coated with polymer blends switching between hydrophilicity and hydrophobicity”, *Proceedings of Conference on Lasers and Electro-Optics*, OSA Technical Digest (Optical Society of America, 2020); San Jose, California, United States, May 10-15, 2020. Paper STh4H.4.

D. Invited Chapters in Books and Encyclopedias

1. N. Hadjichristidis, M. Pitsikalis, S. Pispas, “Functionalized Polymers with Dimethylamine and Sulfozwitterionic End-Groups. Synthesis, Dilute Solution and Bulk Properties”, *Functional Polymers: Modern Synthetic Methods and Novel Structures*, P. Patil, D. Schultz, B. Novak (Eds) ACS Symposium Series, Washington DC, Vol. 704, 1998, Chapter 8, p. 96.

2. N. Hadjichristidis, S. Pispas, M. Pitsikalis, H. Iatrou. D. J. Lohse, “Graft Copolymers”, *Encyclopedia of Polymer Science and Engineering*, Wiley & Sons Inc., New York, 2002.

3. S. Pispas, “Living Polymers”, *Encyclopedia of Polymer Science and Engineering*, Wiley & Sons Inc., New York, 2008.

4. G. Mountrichas, S. Pispas, “Current Developments in Double Hydrophilic Block Copolymers”, *Polymer Aging, Stabilizers and Amphiphilic Block Copolymers*, L. Segewicz and M. Petrowsky (Eds), Nova Science Publishers, Inc., 2010, Chapter 9, p. 291-326.

5. A. Meristoudi, G. Mountrichas, S. Pispas, "Metal nanoparticle synthesis in block copolymer self-assembled nanostructures", *Encyclopedia of Nanoscience and Nanotechnology*, H. S. Nalwa (Ed), American Scientific Publishers, 2011, Vol. 16, p. 201-217.
6. L. Athanasekos, S. Pispas, N. A. Vainos, "Laser-induced soft matter organization and microstructuring of photonic materials", *Laser growth and processing of photonic devices*, Woodhead Publishing Ltd, 2012, Chapter 7, p. 238-268.
7. A. Meristoudi, S. Pispas, "Formation of gold nanoparticles inside the corona of amphiphilic triblock copolymer micelles", *Gold Nanoparticles: Synthesis, Optical Properties and Applications for Cancer Treatment*, A. Jarnagin and L. Halshausen (Eds), Nova Science Publishers, Inc., 2013, Chapter 4, p. 103-120.
8. N. Pippa, S. Pispas, C. Demetzos, "Bio-Inspired Chimeric Drug Delivery Nanosystems (chi-DDnSs): Their Fractal Morphology and Regulatory Aspects ", *Recent Advances in Drug Delivery Research*, V. Voliani (Ed), Nova Science Publishers, Inc., 2013, Chapter 4, p. 73-96.
9. M. Karayianni, S. Pispas, "Block Polyelectrolyte Micelles/Protein Mixed Nanostructures in Aqueous Media", *Micelles: Structural Biochemistry, Formation and Functions & Usage*, D. Bradburn and T. Bittinger (Eds), Nova Science Publishers, Inc., 2013, Chapter 7, p. 281-298.
10. A. El Sachat, N. Aspiotis, M. Vasileiadis, G. Mousdis, S. Pispas, C. Riziotis, N. Vainos, "Multianalytes gas sensors by soft lithography induced gratings with sol-gel and copolymer nanocomposites", *Nanotechnology in the Security Systems, NATO Science for Peace and Security Series C-Environmental Security*, J. Bonca, S. Kruchinin (Eds), 2015, p. 181-192.
11. N. Pippa, S. Pispas, C. Demetzos, "Bioinspired drug nanocarriers based on chimeric/mixed nanosystems", *"Encyclopedia of Nanoscience and Nanotechnology"*, H. S. Nalwa, American Scientific Publishers (Ed.), Valencia, California, USA; 2016.
12. N. Pippa, S. Pispas, C. Demetzos, "Physicochemical characterization and basic research principles of advanced Drug Delivery nano Systems", *"Intelligent Nanomaterials (2nd Ed.)*, Advanced Materials Book Series, A. Tiwari, Y. K. Misha, H. Kobayashi and A. P. F. Turner (Eds.), WILEY-Scrivener Publishing LLC, USA; 2016, Chapter 5. ISBN: 978-1-119-24248-2
13. A. Papagiannopoulos and S. Pispas, "Complexes of poly(sodium(sulfamate/carboxylate)isoprene] with dodecyltrimethylammonium bromide: nanoparticles with tunable aggregation", *"Polyelectrolytes: Theory, Properties and Applications"*, NOVA Science Publishers Inc., USA; 2016, Chapter 3, pp. 87-100. ISBN: 978-1-63485-836-6
14. A. Papagiannopoulos and S. Pispas, "Mixed protein/polymer nanostructures at interfaces", *"Advanced Materials Interfaces"*, Advanced Materials Book Series, A. Tiwari, H. K. Patra and X. Wang (Eds.), WILEY-Scrivener Publishing LLC, USA; 2016, Chapter 1, pp. 3-36. ISBN: 9781119242451
15. M. Karayianni and S. Pispas, "Self-assembly of amphiphilic block copolymers in selective solvents", *"Fluorescence Studies of Polymer Containing Systems"*, K. Prochazka (Ed.), Springer Series on Fluorescence 16, Springer International Publishing, Switzerland; 2016, Chapter 2, pp. 27-63.

16. N. Naziris, N. Pippa, S. Pispas, and C. Demetzos, “Thermal analysis of liposomal formulation as element to evaluate their effectiveness as drug and vaccine delivery systems”, In “Liposomes: Historical, Clinical, and Molecular Perspectives”, B. R. Pearson (Ed.), Nova Science Publishers, Inc.; 2017, New York, USA, Chapter 10, p.p. 265-318. ISBN: 978-1-53612-154-4
17. N. Pippa, S. Pispas, and C. Demetzos, “Recent advances in micellar-like polyelectrolyte/protein complexes: design and development of biopharmaceutical vehicles”, In “Design and development of new nanocarriers”, A. Grumezescu (Ed.), Elsevier 2017, in press.
18. A. Papagiannopoulos and S. Pispas, “Pharmaceutical applications of carrageenan”, Natural polymers for pharmaceutical applications. Edited by A. K. Nayak, M. S. Hasnain, and D. Pal, Vol. 2, CRC Press. pp. 111-140 (2019). ISBN 978-0-42932-829-9.
19. A. Skandalis, M. Kafetzi, D. Giaouzi, T. Sentoukas, A. Papagiannopoulos and S. Pispas, “Novel Block Copolymers by RAFT Polymerization: Synthesis and Nanostructures Formation in Aqueous Solutions”, Advances in Nanotechnology, Vol. 24, Z. Bartul and J. Trenor (Eds.), Nova Scientific Publishers, 2020, Chapter 4, pp. 143-174. ISBN: 978-1-53618-460-0
20. A. Skandalis, V. Chrysostomou, T. Sentoukas, M. Kafetzi, D. Giaouzi, A. Chroni, E. Vlassi, A. Papagiannopoulos and S. Pispas, “Dynamic light scattering studies on self-assembling block copolymer nanostructures”, Research Advances in Dynamic Light Scattering, J. Jeevanandam and M. K. Danquah (Eds.), Nova Scientific Publishers, 2020, Chapter 4, pp. 101-140. ISBN: 9781536172614
21. A. Chroni, V. Chrysostomou, A. Skandalis, S. Pispas, “Drug delivery: hydrophobic drug encapsulation into amphiphilic block copolymer micelles”, Supramolecules in Drug Discovery and Drug Delivery: Methods and Protocols, Methods in Molecular Biology, Eds.: T. Mavromoustakos, A. G. Tzakos, S. Durdagi, Springer Nature B.V., The Netherlands, 2021, Vol. 2207, Chapter 6, pp. 71. ISBN: 978-1-0716-0920-0 DOI: 10.1007/978-1-0716-0920-0_6
22. N. Naziris, A. Skandalis, T. Mavromoustakos, S. Pispas, C. Demetzos, “Association of the thermodynamics with the functionality of thermoresponsive chimeric nanosystems”, Supramolecules in Drug Discovery and Drug Delivery: Methods and Protocols, Methods in Molecular Biology, Eds.: T. Mavromoustakos, A. G. Tzakos, S. Durdagi, Springer Nature B.V., The Netherlands, 2021, Vol. 2207, Chapter 17, pp. 221. ISBN: 978-1-0716-0920-0 DOI: 10.1007/978-1-0716-0920-0_17
23. T. Sentoukas, A. Skandalis, S. Pispas, “Nanovesicular systems for protein and peptide delivery”, Applications of Nanovesicular Drug Delivery, Eds: A. K. Nayak, M. S. Hasnain, T. M. Aminabhavi, V. Torchilin, Elsevier, 2022, Chapter 23, pp. 441–456. ISBN: 978-0-323-91865-7 DOI: 10.1016/B978-0-323-91865-7.00022-5
24. M.-N. Efthymiou, E. Tsouko, E. Vlassi, A. Papagiannopoulos, A. Koutinas, S. Pispas, “Bio-based and nanostructured hybrids for green and active food packaging”, Bio and nano-sensing technologies for food processing and packaging, Eds.: A. K. Shukla, Royal Society of Chemistry, 2022, Chapter 5, p. 81. ISBN: 978-1-83916-432-3 DOI: 10.1039/9781839167966-00081

25. M. Chountoulesi, N. Naziris, A. Gioran, A. Papagiannopoulos, B. R. Steele, M. Micha-Screttas, S. G. Stavrinides, M. Haniyas, N. Chondrogianni, S. Pispas, C. Arbez-Gindre, C. Demetzos, “Applications of nanotechnology in Alzheimer’s disease”, Handbook of Computational Neurodegeneration, Eds.: P. Vlamos, I. S. Kotsireas, I. Tarnanas, Springer, 2022, Chapter 6, p. 1.
ISBN: 978-3-319-75479-6 DOI: 10.1007/978-3-319-75479-6_16-1
26. A. Papagiannopoulos, E. Stefanopoulou, E. Vlasi, S. Pispas, “Polymeric bionanomaterials for diabetes applications”, Bionanotechnology: Emerging Applications of Bionanomaterials, Micro and Nano Technologies, Eds.: A. Barhoum, J. Jeevanandam, M. K. Danquah, Elsevier, 2022, Section 3: Biomedical Applications, Chapter 9, p. 305.
ISBN: 978-0-12-823915-5 DOI: 10.1016/B978-0-12-823915-5.00013-7
27. D. Selianitis, M. N. Efthymiou, E. Tsouko, A. Papagiannopoulos, A. Koutinas, S. Pispas, “Nanocellulose Production from different sources and their self-assembly in composite materials”, Handbook of Nanocelluloses, Eds.: A. Barhoum, Springer, 2022, Chapter 16, p. 1.
ISBN: 978-3-030-62976-2 DOI: 10.1007/978-3-030-62976-2_7-1
28. N. Pippa, H. Katifelis, M. Gazouli, S. Pispas, “Targeting cellular and molecular mechanisms of nanovesicular systems for the treatment of different diseases”, Applications of Nanovesicular Drug Delivery, Eds: A. K. Nayak, M. S. Hasnain, T. M. Aminabhavi, V. Torchilin, Elsevier, 2022, Chapter 1, pp. 1–20.
ISBN: 978-0-323-91865-7 DOI: 10.1016/B978-0-323-91865-7.00006-7
29. D. Selianitis, M. Kafetzi, N. Pippa, S. Pispas, M. Gazouli, “Lipoplexes and polyplexes for targeted gene delivery”, Pharmaceutical Nanobiotechnology for Targeted Therapy, Nanotechnology in the Life Sciences, Eds: H. Barabadi, E. Mostafavi, M. Saravanan, Springer Nature, 2022, Chapter 3, pp 65-92.
ISBN 978-3-031-12657-4, ISBN 978-3-031-12658-1 (eBook) DOI: 10.1007/978-3-031-12658-1_3

BOOKS

1. N. Hadjichristidis, S. Pispas, G. Floudas
“Block Copolymers: Synthetic Strategies, Physical Properties and Applications”
J. Wiley & Sons, 2003.
2. S. Rangelov, S. Pispas
“Polymer and Polymer-Hybrid Nanoparticles: From Synthesis to Biomedical Applications”
CRC Press-Taylor & Francis Group, 2014.
3. D. Demetzos, S. Pispas, N. Pippa
“Drug Delivery Nanosystems. From bioinspiration and biomimetics to clinical applications”
Pan Stanford Publishing Pte. Ltd., 2019. (edited book)

PATENTS

1. “Nanocarrier compositions”, N. Pippa, C. Demetzos, S. Pispas, G. Sivolapenko, GR1008332 (21-10-2014)

Three more patents pending.

INVITED LECTURES

A. At conferences

1. 5th National Greek Polymer Society Meeting, Crete, Greece (December 15-17, 2001)

S. Pispas, “Amphiphilic Block Copolymer Micelles in Aqueous Media”.

2. NaPolyNet Workshop “Characterization methodology and tools for new polymer nanostructured materials”, Athens, Greece (May 13-15, 2009)

S. Pispas, “Constituent materials (nanofillers and polymer matrix) and preparation”.

3. Varna 2009 Workshop on “Polymeric Nanocapsules for Biomolecules”, Varna, Bulgaria (October 19-21, 2009)

S. Pispas, “Functional hybrid synthetic/biological macromolecular assemblies involving block copolymers”.

4. Polymers 2012, Ribaritsa, Bulgaria (May 31-June 2, 2012)

S. Pispas, “Hybrid nanostructures from synthetic polyelectrolytes and proteins”.

5. 1st Conference on Pharmaceutical Sciences: from research to society, Athens, Greece (April 27-30, 2012)

S. Pispas, “Novel synthetic polymers for pharmaceutical nanotechnology”.

6. 5th BBBB International Conference: From Drug Discovery and Formulation Strategies to Pharmacokinetics-Pharmacodynamics, Athens, Greece (September 26-28, 2013)

S. Pispas, “Polymer Based Nanostructures as Carriers for Drugs, Proteins and Nucleic Acids”.

7. Polymer Materials Research and Innovations, Belchin, Bulgaria (October 30-November 1 2013)

S. Pispas, “Thermoresponsive chimeric nanostructures from block copolymers and lysozyme”.

8. 1st International Congress: From drug discovery to drug delivery, Athens, Greece (November 13-15, 2014)

S. Pispas, “Block copolymer based nanocarriers for proteins and DNA”.

9. 30th Panhellenic Conference on Solid Phase Physics and Materials Science, Heraklion, Crete, Greece (September 21-24, 2014)

S. Pispas, “Chimeric block copolymer/protein nanostructures via electrostatic self-assembly”.

10. 6th Panhellenic Conference on Thermal Analysis and Calorimetry, Larissa, Greece (September 26-28, 2014)

- S. Pispas, “Thermal analysis and calorimetry in the study of polymeric nanosystems”.
11. 10th Hellenic Polymer Society Conference, Patras, Greece (December 4-6, 2014)
S. Pispas, “Block copolymer / protein chimeric nanostructures in solutions”.
12. Challenges in Science and Technology of Polymeric Materials, Bansko, Bulgaria (May 19-23, 2015)
S. Pispas, “Block copolymer/bio(macro)molecules hybrid self-assembled nanostructures of biomedical interest”.
13. New Materials for Biomedical Applications, Athens, Greece (April 6, 2015)
S. Pispas, “New polymers and polymeric nanostructures for the delivery of pharmaceutical compounds”.
14. Advanced Drug Delivery Systems in Nanomedicine, Athens, Greece (July 13, 2015)
S. Pispas, “Block copolymer nanocarriers for pharmaceutical compounds”.
15. Greek-German Workshop, Athens, Greece (September 28-October 1, 2015)
S. Pispas, “Block copolymer nanostructures for the encapsulation and delivery of hydrophobic drugs, proteins and nucleic acids”.
16. The Silesian Meetings on Polymer Materials POLYMAT 2016, Zabrze, Poland (June 27-28, 2016).
S. Pispas, “Self-assembled nanostructures involving block polyelectrolytes”.
17. 9th National Conference on Chemistry: Science and Technology for better Life, Sofia, Bulgaria (September 29-October 1, 2016) (plenary lecture)
S. Pispas, “Functional nanostructures from amphiphilic block copolymers and other building blocks”.
18. Dilemmas in structural biology: selection and integration of methods, Athens, Greece (February 14-17, 2016)
S. Pispas, “Interaction of lysozyme with polymeric nanostructures: Strategies for immobilization of enzymes?”.
19. German-Greek Workshop 2016, Athens, Greece (September 26-30, 2016)
S. Pispas, “Functional nanostructures from amphiphilic block copolymers and other building blocks”.
20. Hellenic Biomaterials Society Meeting, Athens, Greece (November 18, 2016)
S. Pispas, “Block copolymer nanostructures for gene delivery”.
21. Symposium on Current Trends and Perspectives in Organic Materials and Processes for high performance organic electronic applications, Athens, Greece (May 11, 2016)
S. Pispas, “Block polyelectrolyte nanostructures”.
22. 12th Hellenic Polymer Society International Conference, Ioannina, Greece (September 30-October 3, 2018)
S. Pispas, “Triblock terpolymers by RAFT polymerization: synthesis and self-assembly”.
23. 11th Hellenic Society for Biomaterials Conference, Athens, Greece (November 23-25, 2018)
E. Haladjova, A. Skandalis, P. Petrov, S.Pispas*, “Block copolymer micelles as insulin nanocarriers”.

24. 9th World Congress on Chemistry and Medicinal Chemistry, Prague, Czech Republic (May 13-14, 2019)
S. Pispas, “Cationic block copolymers as carriers for proteins and nucleic acids” (keynote lecture).
25. Applied Nanotechnology in Health Sciences and Environment, HSNHS-FORTH Workshop, Heraklion, Crete (June 30, 2019)
S. Pispas, “Polymeric nanosystems in nucleic acid delivery”.
26. Polymers 2019, Pomorie, Bulgaria (September 9-12, 2019)
S. Pispas, “Triblock terpolymers by RAFT polymerization: Synthesis and formation of nanostructures in solutions” (plenary lecture).
27. 1st Virtual European Polymer Conference (September 17-18, 2020)
S. Pispas, “Novel amphiphilic cationic block copolymers by RAFT and their complexes with DNA”.
28. International Online Conference on Nano Materials-ICN 2021, Mahatma Gandhi University, Kottayam, Kerala, India (April 9-11, 2021)
S. Pispas, “Nanostructures from cationic block copolymers and DNA by electrostatic co-assembly” (plenary lecture).
29. International Online Conference on Macromolecules: Synthesis, Morphology, Processing, Structure, Properties and Applications-ICM 2021, Mahatma Gandhi University, Kottayam, Kerala, India (September 10-12, 2021)
S. Pispas, “Thermoresponsive copolymers of different macromolecular architectures by RAFT polymerization”.
30. International Conference Progress in Organic and Macromolecular Compounds, 28th Edition, Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania (October 7 - 9, 2021)
S. Pispas, “Responsive copolymers by RAFT polymerization as building blocks for constructing self-assembled bio-hybrid nanostructures”.
31. The Silesian Meetings on Polymer Materials POLYMAT 2022, Zabrze, Poland (March 17, 2022)
S. Pispas, “Thermoresponsive linear and hyperbranched copolymers using RAFT polymerization”.
32. Polymers 2022, Velingrad, Bulgaria (July 5-8, 2022)
S. Pispas, “Hyperbranched copolymers by RAFT: Synthesis and solution nano-assemblies” (plenary lecture).
33. 7th Edition of the Smart Materials and Surfaces International Conference - SMS 2022, Athens, Greece (October 26-28, 2022)
S. Pispas, “Functional nanostructures based on smart copolymers” (keynote lecture).

B. At Universities, Research Organizations etc.

1. Chemistry Department, University of Alabama at Birmingham, Birmingham AL, USA (October 8, 1993)
S. Pispas “End-functionalized Block Copolymers with Sulfozwitterionic End-groups. Synthesis and Dilute Solution Properties”.

2. University of Massachusetts at Amherst, Polymer Science and Engineering Department, Keck Electron Microscopy Laboratory, Massachusetts, USA (July 28, 1995).
S. Pispas “Synthesis and Molecular Characterization of Model Graft Copolymers”.

3. Institute for Electronic Structure and Laser, FORTH, Herakleion, Crete (March 29, 2002).
S. Pispas “Aggregation Behavior of Amphiphilic Block Copolymers Containing Poly(sodium methacrylate) and Poly(ethylene oxide) Hydrophilic Blocks in Water”.

4. University of Tennessee at Knoxville, Chemistry Department, USA (August 7, 2002).
S. Pispas “Controlling the Aggregation Behavior of Amphiphilic Block Copolymers in Water”, διάλεξη στο Χημικό Τμήμα.

5. Chemistry Department, University of Athens, Athens (November 7, 2005).
S. Pispas, “Hybrid organic-inorganic materials based on polymers”.

6. Department of Chemical Engineering, university of Patras, Patras (December 8, 2005)
S. Pispas, “Double hydrophilic block copolymer: structural elements for the development of functional self-assembled nanostructures in aqueous solutions”.

7. Department of Pharmacy, University of Athens, Athens (March 20, 2006)
S. Pispas, “Synthetic polymers and pharmaceutical nanotechnology”.

8. Max Planck Institute for Colloids and Interfaces, Golm, Germany (April 5, 2006)
S. Pispas, “New functional block polyelectrolytes: Synthesis and nano-assemblies in solution”.

9. Macromolecular Science Department and the Key Laboratory of Molecular Engineering of Polymers, Fudan University, Shanghai, China (May 12, 2006)
S. Pispas, “Block polyelectrolyte nano-assemblies in solution”.

10. Macromolecular Science Department and the Key Laboratory of Molecular Engineering of Polymers, Fudan University, Shanghai, China (May 19, 2006)
S. Pispas, “Hybrid organic-inorganic materials based on polymers”.
11. Macromolecular Science Department and the Key Laboratory of Molecular Engineering of Polymers, Fudan University, Shanghai, China (May 26, 2006)
S. Pispas, “Nano-assemblies of amphiphilic block copolymers and carbon nanostructures”.
12. Department of Materials, Southern Yangtze University, Wuxi, China (May 30, 2006)
S. Pispas “Self-assembly and complexes of block polyelectrolytes”.
13. National Laboratory for Physical Sciences at Microscale, Department of Chemical Physics, University of Science and Technology of China, Hefei, China (June 2, 2006)
S. Pispas, “Self-assembly and complexes of block polyelectrolytes”.
14. Orebro Life Sciences Center, Orebro University, Orebro, Sweden (May 25, 2007)
S. Pispas, “Bio-related research at TPCI-NHRF”.
15. Institute of Organic and Pharmaceutical Chemistry, NHRF, Athens (November 13, 2007)
S. Pispas, “Self-assembly and biomimicry in designed macromolecular systems”.
16. Department of Materials Science and Technology, University of Crete, Herakleion (November 21, 2008)
S. Pispas, “Bioinspired and biologically significant self-assembled macromolecular systems”.
17. Utrecht Institute for Pharmaceutical Sciences, Utrecht University, Utrecht, The Netherlands (February 10, 2010)
S. Pispas, “Block copolymer based self-assembled nanosystems with some relevance to medicine”.
18. Physical Chemistry Institute, NCSR Demokritos, Athens (May 14, 2010)
S. Pispas “Self-assembled macromolecular nanosystems based on block copolymers”.
19. Institute of Polymers, Bulgarian Academy of Sciences (May 29, 2012)
S. Pispas, “Self-assembled nanostructures from synthetic polyelectrolytes and DNA”.
20. Institute of Biology, Pharmacy and Biotechnology, NHRF (April 26, 2013)
S. Pispas, “Chimeric nanostructures from synthetic polyelectrolytes and biomacromolecules”.
21. University of Athens, Chemistry Department (May 22, 2014)
S. Pispas, “Self-assembled nanostructures from block copolymers and proteins”.
22. Institute of Polymers, Bulgarian Academy of Sciences (April 1, 2015)
S. Pispas “New polyelectrolytes and their complexes with biomacromolecules”.
23. University of Ioannina, Physics Department (March 27, 2015)
S. Pispas, “Hybrid nanostructures from synthetic polymers and biomacromolecules”.
24. Institute of Polymers, Bulgarian Academy of Sciences (October 24, 2017)
S. Pispas “Novel amphiphilic block copolymers by RAFT polymerization”.

25. Department of Physical and Macromolecular Chemistry, Charles University in Prague, Czech Republic (April 25, 2018)
S. Pispas, “Novel block copolymers via RAFT polymerization: Synthesis and self-assembly in aqueous solutions”.
26. Centre for Polymer and Carbon Materials, Zabrze, Poland (October 15, 2018)
S. Pispas, “Self-assembled nanostructures from block copolymers prepared by RAFT polymerization: Applications as drug and gene nanocarriers”, lecture in acceptance of the Award from the Polish Academy of Sciences.
27. Educational Seminar of NHRF, NHRF, Athens (March 5, 2019)
S. Pispas, “Using polymers for gene delivery”.
28. Applications of Colloids in Industry, NHRF, Athens (July 5, 2019)
S. Pispas, “Polymeric colloid systems”.
29. Centre for Polymer and Carbon Materials, Zabrze, Poland (October 19, 2022)
S. Pispas, “Thermo- and multiresponsive copolymer nanostructures”.