

**SPIROS Haralambos ANASTASIADIS**

**CURRICULUM VITAE  
&  
LIST OF PUBLICATIONS**



University of Crete  
Department of Chemistry  
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Institute of Electronic Structure & Laser  
Heraklion Crete, Greece

## Table of Contents

1.	Education.....	1
2.	Awards, Distinctions, and Fellowships.....	1
3.	Areas of Interest .....	1
4.	Publications – Presentations – Other Activities (Synopsis).....	1
5.	Experience .....	2
6.	Professional Affiliations.....	2
7.	Published Work .....	3
7.1.	Publications in Refereed Journals .....	3
7.2.	Books .....	15
7.3.	Editor of Journal of Polymer Science, Part B: Polymer Physics.....	15
7.4.	Editor of Special Issues of Journals .....	15
7.5.	Invited Chapters in Books .....	16
7.6.	Chapters in Books.....	16
7.7.	Publications in Refereed Conference Proceedings (included in the Citation Index).....	16
7.8.	Publications in Conference Proceedings (included in the Citation Index) .....	17
7.9.	Publications in Other Conference Proceedings .....	19
8.	Conference Presentations .....	24
8.1.	Invited Talks .....	24
8.2.	Invited Talks by Co-workers on Common Work .....	33
8.3.	Contributed Presentations .....	35
9.	Invited Lectures at Universities and Research Centers .....	73
10.	Funded Research Projects .....	77
11.	Academic Activities .....	84
11.1.	Teaching .....	84
11.1.1	University of Crete (1992-2005) .....	84
11.1.2	Aristotle University of Thessaloniki (2005 - 2008).....	84
11.1.3	University of Crete (2008- ) .....	85
11.1.4	Graduate Courses at Other Universities .....	86
11.2.	Departmental Committees at Dept. of Physics, University of Crete.....	87
11.2.1	Summer School in Physics .....	87
11.2.2.	University Senate .....	87
11.2.3.	Other Committees .....	87
11.3.	Administrative and Departmental Committee Duties at Aristotle University of Thessaloniki .....	87
11.4.	Departmental Committees at Dept. of Chemistry, University of Crete .....	87
11.5.	University Committee Duties at University of Crete .....	87
11.4.	Student Supervision.....	88
11.5.	Post-doctoral Fellow Supervision .....	89
12.	Department of Materials Science and Technology, Univ. of Crete .....	91
13.	Reviewer for Scientific Journals and Funding Organizations.....	92
14.	Organization of Scientific Conferences.....	93
15.	Other Activities .....	95
16.	Personal .....	95

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## 1. EDUCATION

**Princeton University**, Princeton, N. J., U. S. A. (1983 - 1988)

**Ph. D. 1988** (Polymer Materials Program - Department of Chemical Engineering)

Thesis Title : Interfacial Tension of Immiscible Polymer Blends

Advisor : Professor Jeffrey T. Koberstein

Second Reader : Professor Robert K. Prud'homme

**Master of Arts 1984**

**Aristotle University of Thessaloniki**, Thessaloniki, Greece (1978 - 1983)

**Diploma 1983** (Chemical Engineering). *First Class Honors.*

G. P. A.: 10 / 10. *Senior Class Valedictorian.*

Diploma Thesis : Modeling of a High Pressure Polyethylene Tubular Reactor

Advisor : Professor Costas Kyparissides

## 2. AWARDS, DISTINCTIONS, AND FELLOWSHIPS

**American Physical Society *John H. Dillon Medal* 1998**

*Citation*: "For pioneering studies of the structure and dynamics of polymer solutions, melts, interfaces, and thin films"

**American Physical Society *Fellow* 2000**

*Citation*: "For important contributions to the dynamics of block copolymers in the melt and in solution and on the structure and dynamics of polymer interfaces and thin films"

**President of the European Polymer Federation (EPF): Elected 02/2017 for 2018-2019**

**Editor, *Journal of Polymer Science: Part B: Polymer Physics* 5/2006-7/2010**

**Consulting Editor, *Journal of Polymer Science: Part B: Polymer Physics* 7/2010-**

**Consulting Editor, *AIChE Journal* 8/2012-12/2016**

**Member of the Editorial Board, *Macromolecules* 1/2015-12/2017**

**Member of the Editorial Board, *Journal of Polymer Science: Part B: Polymer Physics* 02/2003-05/2006**

**Materials Research Society *Graduate Student Award* 1987**

**Society of Plastics Engineers - Plastics Analysis Division *Best Paper Award* 1985 (ANTEC)**

**Hellenic Engineering Society Award - Fellowship 1979, 1980, 1983.**

**Greek National Scholarship Foundation Fellowship 1979, 1980, 1981, 1983.**

**"A. Tiftixi" Foundation Award - Fellowship 1979, 1980, 1981, 1982.**

## 3. AREAS OF INTEREST

### Topics

Polymer Surfaces and Interfaces  
Thin Films (Structure - Dynamics)  
Polymer Adsorption  
Block Copolymers - Order/Disorder Transitions  
Polymer Blends, Homopolymer / Copolymer Blends  
Dynamics & Diffusion in Multiconstituent Systems  
Organic/Inorganic Nanohybrid Materials  
Responsive Polymer Systems

### Techniques

Neutron / X-ray Reflectivity and Scattering  
Surface and Interfacial Tensiometry  
Contact Angle Measurements  
Dynamic Light Scattering  
Dielectric Relaxation Spectroscopy, Rheology  
Quasi-elastic Neutron Scattering  
Fluorescence and Phosphorescence Spectroscopy  
Raman Scattering and FTIR Spectroscopy

## 4. PUBLICATIONS – PRESENTATIONS – OTHER ACTIVITIES (Synopsis)

He has published 128 papers in refereed journals, 4 in books, 6 in refereed conference proceedings, and 80 in non-refereed conference proceedings. His work has been presented 521 times (99 invited plus 19 co-workers invited) in international meetings. He has given 55 invited lectures at academic and industrial institutions. As of August 06, 2018, he has received (ISI, ResearcherID: D-2778-2009) 5642 total citations (5161 non-self citations) with 44.78 average citations per paper. His *h*-index is 40. He has been an Editor of the *Journal of Polymer Science: Part B: Polymer Physics* (5/2006-7/2010). He served as a Consulting Editor of *AIChE Journal* and as a member of the Editorial Board of *Macromolecules*. He has edited 1 book and has translated 2 textbooks in Greek. He has edited 1 special issue of a scientific journal. He has been a Reviewer for a large number of International Journals (including *Nature*, *Advanced Mater.*, *Phys. Rev. Lett.*, *Macromolecules*, *J. Am. Chem. Soc.*, *Langmuir*, *J. Chem. Phys.*, *Polymer*, *Macromol. Chem. Phys.*, *Polym. Eng. Sci.*, *Phys. Rev. B*, *Phys. Rev. E*, *Eur. Phys. J. E - Soft Matter*, *Eur. Polym. J.*, *Phys. Chem. Chem. Phys.*, *J. Nanoparticle Res.*, *Soft Matter*, *J. Phys. Chem.*, *Chem. Commun.*, *J. Mater. Chem.*, *Intern. J. Nanotechn.*, *J. Nanostr. Polym. Nanocomp.*, *J. Adh. Sci. Techn.*, *Appl. Phys. A*), for the *National Science Foundation*, U.S.A., for the *European Union*, for the *European Science Foundation*, for the *EPSRC* of UK, for the *Research Council of Norway*, for the *Regione Piemonte*, Italy, for the *Fondazione Cariplo Scientific Research Unit*, Italy and for the *Greek General Secretariat for Research and Technology*, and an Adjudicator for *Macromolecules*. He has been the Organizer of the ESF Conference "Interfacial Behavior in Polymer and Colloidal Systems" (1999), of the MRS Spring '00 Symposium "Interfaces, Adhesion, and Processing in Polymer Systems" (2000), of the Quality Nano Conference and Training Workshop 2015, of the ETP Nanomedicine Annual Event 2016 and of the Eurofillers and Polymer Blends 2017 Conference.

## **5. EXPERIENCE**

**Director**, *Institute of Electronic Structure & Laser, FORTH*, Heraklion, Crete, Greece (05/2013 - now)

**Professor**, *Dept. of Chemistry, Univ. of Crete*, Heraklion Crete, Greece (10/2008 - )

**Professor**, *Dept. of Chem. Eng., Aristotle Univ. of Thessaloniki*, Thessaloniki, Greece (09/2005 – 10/2008)

**Director**, *Lab. of Materials Eng., Dept. of Chem. Eng., A.U.Th.*, Thessaloniki, Greece (04/2006 – 10/2008)

**Professor**, *Dept. of Physics, Univ. of Crete*, Heraklion, Crete, Greece (05/2004 – 09/2005)

**Associate Professor**, *Dept. of Physics, Univ. of Crete*, Heraklion, Crete, Greece (10/1997 – 05/2004)

**Assistant Professor**, *Dept. of Physics, Univ. of Crete*, Heraklion, Crete, Greece (05/1993 – 10/1997)

**Group Leader**, *Hybrid Nanostructures Group, Institute of Electronic Structure and Laser, FORTH*, Heraklion, Crete, Greece (09/2004 - now)

**Research Scientist**, *Inst. of Electronic Structure & Laser, FORTH*, Heraklion, Crete, Greece (09/1991 - now)

Block Copolymer Dynamics. Relaxation of composition and orientation fluctuations in disordered diblock copolymer melts and solutions. Diffusion in disordered and ordered block copolymers. Segmental and chain dynamics and diffusivities in homopolymers, blends, and block copolymers in melt and in solution. Structure and dynamics of thin polymer films and adsorbed polymer chains. Compatibilizing behavior of multiconstituent copolymers added to immiscible homopolymer blends. Thin films of diblock copolymer / homopolymer mixtures. Structure and dynamics of polymer nano-composites. Smart polymer surfaces. Random lasing in organic/inorganic hybrid nanomaterials.

**Soldier in the Greek Army**, *Heavy-machine-gun fighter*, Kilkis-Athens-Alexandroupolis, Greece (03/1990 – 09/1991)

**Visiting Scientist**, *IBM Research Division, Almaden Research Center*, San Jose, CA, U.S.A. (04/1988 – 12/1989)

Neutron and X-ray Reflectivity investigations of the surface induced ordering in diblock copolymers and their morphological characteristics, the determination of polymer / polymer interfacial thickness, the morphology of very thin diblock copolymer films, the effect of addition of small amounts of homopolymer to the morphology of microphase separated diblock copolymers, the segment density distribution of block copolymer emulsifiers added to the interface between two homopolymers. X-ray photoelectron spectroscopy investigation of polymer surfaces.

**Guest Scientist**, *National Institute of Standards and Technology*, Gaithersburg, MD, U.S.A. (04/1988 – 12/1989)

Neutron Reflectivity experiments on the BT-4 triple axes diffractometer of the Reactor Experimental Hall of the Reactor Radiation Division of the National Institute of Standards and Technology.

**Guest Scientist**, *Argonne National Laboratory*, Argonne, IL, U.S.A. (04/1988 – 12/1989)

Neutron Reflectivity experiments on the POSY-II reflectometer of the Intense Pulsed Neutron Source of the Argonne National Laboratory.

**Research Assistant**, *University of Connecticut*, Storrs, CT, U.S.A. (1986-1988), and

**Research Assistant**, *Princeton University*, Princeton, N.J., U.S.A. (1983-1986)

Polymer surface and interfacial tension measurements using digital image processing of pendant fluid drops. Temperature and molecular weight effects on the polymer / polymer interfacial tension. Emulsifying effect of diblock copolymer additives to the interfacial tension between two homopolymers. Thermal Analysis techniques (DSC, TGA, TMA), <sup>1</sup>H - NMR, IR, Membrane Osmometry, GPC for Sample Characterization.

**Assistant in Instruction**, *Princeton University*, Princeton, N.J., U.S.A. (1985).

Assisted in instruction of an undergraduate course "Introduction to Chemical Engineering".

**Computer System Manager**, *Princeton University*, Princeton, N.J., U.S.A. (1984).

Responsible for the operation of the departmental Data General mini-computer system.

## **6. PROFESSIONAL AFFILIATIONS**

American Physical Society (APS)

American Chemical Society (ACS)

Materials Research Society (MRS)

Hellenic Engineering Society

Hellenic Polymer Society (ELEP)

Hellenic Society of Rheology

Registered Professional Engineer in Greece since 07/13/83.

## **7. PUBLISHED WORK**

### **7.1. PUBLICATIONS IN REFEREED JOURNALS**

1. S. H. Anastasiadis, J. K. Chen, J. T. Koberstein,\* J. E. Sohn, and J. A. Emerson  
"The determination of Polymer Interfacial Tension by Drop Image Processing: Comparison of Theory and Experiment for the pair PDMS / PBD"  
*Polym. Engineering Sci.* **26**, 1410-1418 (1986).
2. S. H. Anastasiadis, J. K. Chen, J. T. Koberstein,\* A. F. Siegel, J. E. Sohn, and J. A. Emerson  
"The Determination of Interfacial Tension by Video Image Processing of Pendant Fluid Drops"  
*J. Colloid Interface Sci.* **119**, 55-66 (1987).
3. Christodoulos A. Floudas,\* and Spiros H. Anastasiadis  
"Synthesis of Distillation Sequences with Several Multicomponent Feed and Product Streams"  
*Chem. Engineering Sci.* **43**, 2407-2419 (1988).
4. S. H. Anastasiadis, I. Gancarz, and J. T. Koberstein\*  
"Interfacial Tension of Immiscible Polymer Blends: Temperature and Molecular Weight Dependence"  
*Macromolecules* **21**, 2980-2987 (1988).
5. S. H. Anastasiadis, I. Gancarz, and J. T. Koberstein\*  
"Compatibilizing Effect of Block Copolymers Added to the Polymer / Polymer Interface"  
*Macromolecules* **22**, 1449-1453 (1989).
6. S. H. Anastasiadis, T. P. Russell,\* S. K. Satija, and C. F. Majkrzak  
"Neutron Reflectivity Studies of Thin Diblock Copolymer Films"  
*Phys. Rev. Lett.* **62**, 1852-1855 (1989).
7. S. H. Anastasiadis, T. P. Russell,\* S. K. Satija, and C. F. Majkrzak  
"The Morphology of Symmetric Diblock Copolymers as Revealed by Neutron Reflectivity"  
*J. Chem. Phys.* **92**, 5677-5691 (1990).
8. T. P. Russell,\* S. H. Anastasiadis, A. Menelle, G. P. Felcher, and S. K. Satija  
"Segment Density Distribution of Symmetric Diblock Copolymers at the Interface between two Homopolymers as Revealed by Neutron Reflectivity"  
*Macromolecules* **24**, 1575-1582 (1991).
9. T. P. Russell,\* A. Menelle, S. H. Anastasiadis, S. K. Satija, and C. F. Majkrzak  
"Unconventional Morphologies of Symmetric Diblock Copolymers due to Film Thickness Constraints"  
*Macromolecules* **24**, 6263-6269 (1991).
10. A. Menelle, T. P. Russell,\* S. H. Anastasiadis, S. K. Satija, and C. F. Majkrzak  
"The Ordering of Thin Diblock Copolymer Films"  
*Phys. Rev. Lett.* **68**, 67-70 (1992).
11. T. P. Russell,\* A. Menelle, S. H. Anastasiadis, S. K. Satija, and C. F. Majkrzak  
"Thin Film Order of Symmetric Diblock Copolymers"  
*Makromol. Chem., Macromol. Symp.* **62**, 157-165 (1992).
12. S. H. Anastasiadis,\* A. Menelle, T. P. Russell, S. K. Satija, and C. F. Majkrzak  
"Very Thin Films of Symmetric Diblock Copolymers"  
*Progr. Colloid Polym. Sci.* **91**, 88-92 (1993).

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\* Asterisks denote the author to whom correspondence should be addressed

13. T. P. Russell,\* A. Menelle, S. H. Anastasiadis, S. K. Satija, and C. F. Majkrzak  
"The Ordering of Thin Films of Symmetric Diblock Copolymers"  
*Progr. Colloid Polym. Sci.* **91**, 97-100 (1993).
14. T. P. Russell,\* A. Menelle, S. H. Anastasiadis, S. K. Satija, and C. F. Majkrzak  
"Reply to a Comment by C. M. Marques - Phys. Rev. Lett. **70**, 1351 (1993)"  
*Phys. Rev. Lett.* **70**, 1352 (1993).
15. S. H. Anastasiadis,\* G. Fytas, S. Vogt, and E. W. Fischer  
"Breathing and Composition Pattern Relaxation in 'Homogeneous' Diblock Copolymers"  
*Phys. Rev. Lett.* **70**, 2415-2418 (1993).
16. S. H. Anastasiadis, G. Fytas,\* S. Vogt, B. Gerharz, and E. W. Fischer  
"Diffusive Composition Pattern Relaxation in Disordered Diblock Copolymer Melts"  
*Europhys. Lett.* **22**, 619-524 (1993).
17. S. Vogt, T. Jian, S. H. Anastasiadis, G. Fytas,\* and E. W. Fischer  
"Diffusive Relaxation Modes in Poly(styrene - b - methyl phenyl siloxane) Copolymer Melts Above and Below the Order-Disorder Transition"  
*Macromolecules* **26**, 3357-3362 (1993).
18. T. Jian, S. H. Anastasiadis,\* G. Fytas, K. Adachi, and T. Kotaka  
"Depolarized Dynamic Light Scattering from Diblock Copolymer Solutions near the Order-Disorder Transition"  
*Macromolecules* **26**, 4706-4711 (1993)
19. G. Fytas,\* S. H. Anastasiadis, K. Karatasos, and N. Hadjichristidis  
"Local and Global Chain Dynamics in Diblock Copolymer Melts"  
*Physica Scripta* **T49**, 237-241 (1993).
20. T. Jian, A. N. Semenov, S. H. Anastasiadis, G. Fytas,\* F.-J. Feh, B. Chu, S. Vogt, F. Wang, and J. E. L. Roovers  
"Composition Fluctuation Induced Depolarized Rayleigh Scattering from Diblock Copolymer Melts"  
*J. Chem. Phys.* **100**, 3286-3294 (1994).
21. G. Fytas,\* S. H. Anastasiadis, and A. N. Semenov  
"Diffusive Relaxation Mode in Diblock Copolymer Melts"  
*Makromol. Chem., Macromol. Symp.* **79**, 117-124 (1994).
22. K. Karatasos, S. H. Anastasiadis,\* A. N. Semenov, G. Fytas, M. Pitsikalis, and N. Hadjichristidis  
"Composition Fluctuations Effects on Dielectric Normal Mode Relaxation in Diblock Copolymers. I. Weak Segregation Regime"  
*Macromolecules* **27**, 3543-3552 (1994).
23. S. Vogt, S. H. Anastasiadis,\* G. Fytas,\* and E. W. Fischer  
"Dynamics of Composition Fluctuations in Diblock Copolymer Melts Above the Ordering Transition"  
*Macromolecules* **27**, 4335-4343 (1994).
24. T. Jian, S. H. Anastasiadis, A. K. Rizos, G. Fytas,\* and A. Z. Ackasu  
"Interdiffusion in Dilute Polymer Mixtures. A Subtle Concentration Effect"  
*J. Chem. Phys.* **101**, 3222-3229 (1994).
25. T. Jian, S. H. Anastasiadis,\* A. N. Semenov, G. Fytas, K. Adachi, and T. Kotaka  
"Dynamics of Composition Fluctuations in Diblock Copolymer Solutions Far from and Near to the Ordering Transition"  
*Macromolecules* **27**, 4762-4773 (1994).

26. S. H. Anastasiadis,\* T. Jian, and G. Fytas  
"Dynamic Light Scattering from Diblock Copolymer Solutions"  
*J. Non-crystal. Solids* **172-174**, 1078-1083 (1994)
27. G. P. Felcher,\* R. J. Goyette, S. Anastasiadis, T. P. Russell, M. Foster, and F. Bates  
"Topology of Forward Scattering of Neutrons from Imperfect Multilayers"  
*Phys. Rev. B* **50**, 9565-9568 (1994).
28. T. Jian, S. H. Anastasiadis,\* A. N. Semenov, G. Fytas, G. Fleischer, and A. D. Vilesov  
"Interdiffusion and Composition Polydispersity in Diblock Copolymers above the Ordering Transition"  
*Macromolecules* **28**, 2439-2449 (1995).
29. K. Karatasos, S. H. Anastasiadis,\* G. Floudas, G. Fytas, S. Pispas, N. Hadjichristidis, and T. Pakula  
"Composition Fluctuations Effects on Dielectric Normal Mode Relaxation in Diblock Copolymers. II. Disordered State in the Proximity to the ODT and Ordered State"  
*Macromolecules* **29**, 1326-1336 (1996).
30. M. Kapnistos, D. Vlassopoulos,\* and S. H. Anastasiadis\*  
"Determination of both the Binodal and the Spinodal Curves in Polymer Blends by Shear Rheology"  
*Europhys. Lett.* **34**, 513-518 (1996)
31. N. Boudenne, S. H. Anastasiadis,\* G. Fytas, M. Xenidou, N. Hadjichristidis, A. N. Semenov, and G. Fleischer  
"Thermodynamic Effects on Internal Relaxation in Diblock Copolymers"  
*Phys. Rev. Lett.* **77**, 506-509 (1996)
32. S. H. Anastasiadis,\* K. Chrissopoulou, G. Fytas, M. Appel, G. Fleischer, K. Adachi, and Y. Gallot  
"Self Diffusivity of Diblock Copolymers in Solutions in Neutral Good Solvents"  
*Acta Polymer.* **47**, 250-264 (1996)
33. S. K. Kumar,\* R. H. Colby, S. H. Anastasiadis, and G. Fytas  
"Concentration Fluctuation Induced Dynamic Heterogeneities in Polymer Blends"  
*J. Chem. Phys.* **105**, 3777-3788 (1996)
34. M. Kapnistos, A. Hinrichs, D. Vlassopoulos,\* S. H. Anastasiadis, A. Stammer, and B. A. Wolf  
"Rheology of a LCST Binary Polymer Blend in the Homogeneous, Phase Separated, and Transitional Regimes"  
*Macromolecules* **29**, 7155-7163 (1996).
35. G. Fytas,\* S. H. Anastasiadis, R. Seghrouchni, D. Vlassopoulos, J. Li, B. J. Factor, W. Theobald, and C. Toprakcioglu  
"Probing Collective Motions of Terminally Anchored Polymers"  
*Science* **274**, 2041-2044 (1996)<sup>†,#</sup>
36. S. H. Anastasiadis,\* K. Chrissopoulou, G. Fytas, G. Fleischer, S. Pispas, M. Pitsikalis, J. W. Mays, and N. Hadjichristidis  
"Self-Diffusivity in Block Copolymer Solutions: 2. A<sub>2</sub>B Simple grafts"  
*Macromolecules* **30**, 2445-2453 (1997).

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<sup>†</sup> Based on this paper, there was a Special Promotion Article in *Science* with Overhead "Perspectives" and title "Capturing the Dynamic Behavior of Adsorbed Polymers", by Anna C. Balazs, *Science* **274**, 2036 (1996)

<sup>#</sup> Based on this paper, there was a Special Article in *Science News* with title "Scattered Light Reveals Polymer Wave Motion", by C. Wu, *Science News* **150**, 391 (December 1996)

37. D. Vlassopoulos,\* A. Koumoutsakos, S. H. Anastasiadis, S. G. Hatzikiriakos, and P. Englezos  
"Rheology and Phase Separation in a Model UCST Polymer Blend"  
*J. Rheol.* **41**, 739-755 (1997).
38. A. N. Semenov,\* S. H. Anastasiadis,\* N. Boudenne, G. Fytas, M. Xenidou, and N. Hadjichristidis  
"Dynamic Structure Factor of Diblock Copolymers in the Ordering Regime"  
*Macromolecules* **30**, 6280-6294 (1997).
39. T. Pakula,\* K. Karatasos, S. H. Anastasiadis, and G. Fytas  
"Computer Simulation of the Static and Dynamic Behavior of Diblock Copolymers"  
*Macromolecules* **30**, 8463-8472 (1997).
40. S. H. Anastasiadis,\* and S. G. Hatzikiriakos\*  
"The Work of Adhesion of Polymer/Wall Interfaces and its Association with the Onset of Wall Slip"  
*J. Rheol.* **42**, 795-812 (1998).
41. S. H. Anastasiadis,\* H. Retsos, C. Toprakcioglu, A. Menelle, and G. Hadziioannou  
"On the Interfacial Width in Triblock versus Diblock Copolymers: A Neutron Reflectivity Investigation"  
*Macromolecules* **31**, 6600-6604 (1998).
42. K. Kunz, S. H. Anastasiadis,\* M. Stamm, T. Schurrat, and F. Rauch  
"The Segregation of Poly(styrene-b-isoprene) Diblock Copolymers to the Surface of a Polystyrene Melt: The Effect of the Ratio of Block Lengths"  
*Eur. Phys. J. B* **7**, 411-419 (1999).
43. A. E. Likhtman, S. H. Anastasiadis, and A. N. Semenov\*  
"A Theory of Surface Deformations of Polymer Brushes in Solution"  
*Macromolecules* **32**, 3474-3480 (1999).
44. S. A. Kirillov,\* T. S. Perova, O. F. Nielsen, E. Praestgaard, U. Rasmussen, T. M. Kolomiets, G. A. Voyiatzis, and S. H. Anastasiadis  
"Fitting the Low-frequency Raman Spectra to Boson Peak Models: Glycerol, Triacetin and Polystyrene"  
*J. Molec. Struct.* **479**, 271-277 (1999).
45. S. H. Anastasiadis  
"Collective Dynamics of Terminally Anchored Polymer Chains"  
*Makromol. Chem., Macromol. Symp.* **139**, 31-37 (1999).
46. K. Chrissopoulou, Y. Tselikas, S. H. Anastasiadis, G. Fytas,\* A. N. Semenov, G. Fleischer, N. Hadjichristidis, and E. L. Thomas  
"Macromolecular Architecture Effects on Block Copolymer Dynamics: Linear Tetrablocks and Inverse Starblocks"  
*Macromolecules* **32**, 5115-5126 (1999).
47. H. Watanabe,\* T. Sato, K. Osaki, Y. Matsumiya, and S. H. Anastasiadis  
"Effects of Spatial Confinements on Dielectric Relaxation of Block Copolymers having Tail, Loop, and Bridge Conformations"  
*J. Soc. Rheol. Japan (Nihon Reoroji Gakkaishi)* **27**, 173-182 (1999).
48. S. A. Kirillov,\* G. A. Voyiatzis, T. M. Kolomiets, and S. H. Anastasiadis  
"Spatial Correlations and Exact Solution of the Problem of the Boson Peak Profile in Amorphous Media"  
*Phys. Lett. A* **262**, 186-190 (1999).



49. K. Chrissopoulou, S. Harville, S. H. Anastasiadis,\* G. Fytas, J. Mays, and N. Hadjichristidis  
"Macromolecular Architecture Effects on Block Copolymer Dynamics: II. A<sub>2</sub>B Simple Grafts"  
*J. Polym. Sci., Polym. Phys.* **37**, 3385-3391 (1999).
50. S. H. Anastasiadis,\* K. Karatasos, G. Vlachos, E. Manias, and E. P. Giannelis  
"Nanoscale-Confinement Effects on Local Dynamics"  
*Phys. Rev. Lett.* **84**, 915-918 (2000).§
51. K. Karatasos, S. H. Anastasiadis,\* T. Pakula, and H. Watanabe  
"On the Loops to Bridges Ratio in Ordered Triblock Copolymers: An Investigation by Dielectric Relaxation Spectroscopy and Computer Simulations"  
*Macromolecules* **33**, 523-541 (2000).
52. A. N. Semenov,\* and S. H. Anastasiadis  
"Collective Dynamics of Polymer Brushes"  
*Macromolecules* **33**, 613-623 (2000).
53. S. H. Anastasiadis  
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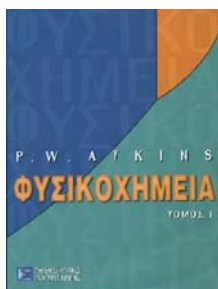
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*Journal of Polymer Science, Part B: Polymer Physics*

Spiros H. Anastasiadis

*Editor*

*Senior Editor*

*Senior Editor and Editor for Europe, Middle East and Asia*

*Senior Editor and Editor for Europe, Middle East and Africa*

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S. H. Anastasiadis, Guest Editor

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*XXIII Panhellenic Conference on Solid State Physics and Materials Science Proceedings*, p. 145, 2007
38. S. Fotiadou, K. Chrissopoulou, S. H. Anastasiadis, K. Andrikopoulos, D. Christofilos, G. A. Kourouklis, and B. Frick  
"Polymer-Inorganic Hybrids: Structure and Dynamics in Confined Geometries"  
*XXIII Panhellenic Conference on Solid State Physics and Materials Science Proceedings*, p. 173, 2007
39. A. N. Rissanou, S. H. Anastasiadis and I. A. Bitsanis  
"Conformational Transitions of a Model Polymeric System near Attractive Surfaces: A Monte Carlo Study"  
*Proceedings of the International Conference on Computational Methods in Science and Engineering 2007 (ICCMSE 2007)*, T. E. Simos and G. Maroulis, Eds., *American Inst. of Physics Proceedings*, Vol. **963**, pp. 428-431 (2007)
40. K. Chrissopoulou, A. Afratis, S. Fotiadou, B. Frick and S. H. Anastasiadis  
"Effects of Severe Confinement on Structure and Dynamics in Polymer Nanocomposites"  
*Proceedings of the XV<sup>th</sup> International Congress on Rheology*, A. Co, L. G. Leal, R. H. Colby and A. J. Giacomin, Eds., *American Inst. of Physics Proceedings*, Vol. **1027**, pp. 1303-1305 (2008)
41. M. Barberoglou, V. Zorba, E. Stratakis, E. Spanakis, P. Tzanetakis, S. H. Anastasiadis and C. Fotakis  
"Fabrication and Wetting Properties of Silicon Structured Surfaces"  
*XXIV Panhellenic Conference on Solid State Physics and Materials Science Proceedings*, p. 19, 2008
42. E. Pavlopoulou, S. Fotiadou, G. Portale, W. Bras, K. Chrissopoulou, and S. H. Anastasiadis  
"Crystallization Kinetics in Poly(ethylene oxide)/Layered Silicates Nanocomposites"  
*XXIII Panhellenic Conference on Solid State Physics and Materials Science Proceedings*, p. 33, 2008
43. S. Fotiadou, D. Tragoudaras, I. Tanis, K. Chrissopoulou, K. Karatasos, B. Frick and S. H. Anastasiadis  
"Crystallization Kinetics in Poly(ethylene oxide)/Layered Silicates Nanocomposites"  
*XXIV Panhellenic Conference on Solid State Physics and Materials Science Proceedings*, p. 61, 2008
44. V. Katsamanis, M. Vamvakaki and S. H. Anastasiadis  
"Synthesis and Characterization of Metal Nanoparticles Embedded in Block Copolymer Micelles"  
*XXIV Panhellenic Conference on Solid State Physics and Materials Science Proceedings*, p. 127, 2008
45. N. Koufaki, K. Chrissopoulou, and S. H. Anastasiadis  
"On the Miscibility in Polymer / Layered Silicates Nanocomposites"  
*XXIV Panhellenic Conference on Solid State Physics and Materials Science Proceedings*, p. 137, 2008
46. K. Chrissopoulou, E. Pavlopoulou, H. Papananou, S. Fotiadou, G. Portale, W. Bras, and S. H. Anastasiadis  
"Crystallization Kinetics in Poly(ethylene oxide)/Layered Silicates Nanocomposites"  
*7<sup>th</sup> Panhellenic Polymer Conference Proceedings*, p. 74, 2008.



47. E. Pavlopoulou, V. Katsamanis, K. Christodoulakis, G. Portale, W. Bras, M. Vamvakaki and S. H. Anastasiadis  
"Impregnation of pH-Responsive Polymeric Matrices with Metal Nanoparticles"  
7th Panhellenic Polymer Conference Proceedings, p. 82, 2008.
48. S. Fotiadou, K. Chrissopoulou, B. Frick and S. H. Anastasiadis  
"Organic – Inorganic Nanocomposites: A study of the structure and dynamics in confined geometry"  
7th Panhellenic Polymer Conference Proceedings, p. 237, 2008.
49. S. H. Anastasiadis, E. Stratakis, V. Zorba, M. Barberoglou, E. Spanakis, P. Tzanetakis, C. Fotakis, A. Mateescu and M. Vamvakaki  
"Development of Biomimetic Water Repellent Surfaces"  
7th Panhellenic Chemical Engineering Scientific Conference Proceedings, p. XXXX, 2009
50. K. Chrissopoulou, E. Pavlopoulou, H. Papananou, S. Fotiadou, G. Portale, W. Bras, and S. H. Anastasiadis  
"Crystallization in Polymer / Layered Silicates Nanohybrids"  
7th Panhellenic Chemical Engineering Scientific Conference Proceedings, p. MS2.06, 2009
51. A. Stassinopoulos, E. D. Tsagarakis, R. N. Das, E. P. Giannelis, S. H. Anastasiadis and D. Anglos  
"Laser-Like Emission From Highly Scattering ZnO Nanoparticle Films"  
Proceedings of the 7th ICLA, M. Abdel Harith, Ed., *American Inst. of Physics Proceedings*, Vol. **1172**, pp. 44-48 (2009)
52. E. Pavlopoulou, G. Portale, V. Katsamanis, K. Christodoulakis, M. Vamvakaki and S. H. Anastasiadis  
"A SAXS Characterization of Complex Nanohybrid Systems: Metal Nanoparticle Incorporation within pH-Responsive Polymers"  
Synchrotron Radiation in Polymer Science (SRPS 4) Conference Proceedings, p. 53-54, 2009
53. E. Pavlopoulou, G. Portale, V. Katsamanis, K. Christodoulakis, M. Vamvakaki and S. H. Anastasiadis  
"Following the Synthesis of Metal Nanoparticles within pH-Responsive Micelles and Microgels by SAXS"  
XXV Panhellenic Conference on Solid State Physics and Materials Science Proceedings, p. 326, 2009
54. K. Chrissopoulou, E. Pavlopoulou, H. Papananou, S. Fotiadou, G. Portale, W. Bras, and S. H. Anastasiadis  
"Effect of Inorganic Additive on the Chain Crystallization in Polymer / Layered Silicate Nanohybrids"  
XXV Panhellenic Conference on Solid State Physics and Materials Science Proceedings, p. 260, 2009
55. K. Chrissopoulou, S. Fotiadou, S. Bollas, S. H. Anastasiadis, K. Andrikopoulos and G. A. Voyiatzis  
"On the Crystallinity and Chain Conformation in Polymer PEO / Inorganoc Nanocomposites"  
8th Panhellenic Chemical Engineering Scientific Conference Proceedings, p. XXX, 2011

## **8. CONFERENCE PRESENTATIONS**

### **8.1. INVITED TALKS**

1. S. H. Anastasiadis, A. Menelle, T. P. Russell, S. K. Satija, and G. P. Felcher  
"Segment Density Distributions of Homopolymers and Diblock Copolymers at the Interface of Immiscible Homopolymers"  
*200th National Meeting, American Chemical Society*, August 1990, Washington, D.C., U.S.A.  
Polym. Prepr., Amer. Chem. Soc., Div. Polym. Chem. **31**(2), 77 (1990).
2. S. H. Anastasiadis  
"Techniques for the Investigation of Polymer Surfaces and Interfaces"  
*Seminar COMETT: Characterization of Polymers and Composites*, May 1993, National Technical University, Athens, Greece
3. S. H. Anastasiadis  
"Neutron Reflectivity Investigation of Buried Polymer Interfaces"  
*6th International Symposium on Polymer Analysis and Characterization*, July 1993, Agia Pelagia, Crete, Greece
4. S. H. Anastasiadis  
"Investigation of Polymer Surfaces and Interfaces by Neutron Reflectivity"  
*Symposium on New Materials, Processes, and Microstructures*, December 1993, Thessaloniki, Greece
5. S. H. Anastasiadis  
"Polymer Surfaces and Interfaces: Interfacial Partitioning in Polymer Systems"  
*3rd Patras University Euroconference on Complex Materials*, September 1995, Patras, Greece
6. S. H. Anastasiadis  
"Dynamics of Diblock Copolymers in Melts and in Solutions"  
*First Greek-French Polymer Workshop*, May 1996, Heraklion Crete, Greece
7. S. H. Anastasiadis  
"Dynamic Light Scattering from Polymer Brushes"  
*American Chemical Society Interdisciplinary Workshop on Polymer Surfaces and Interfaces*, October 1996, Tampa, FL, U.S.A.
8. S. H. Anastasiadis  
"Collective Dynamics of Terminally Anchored Polymer Chains"  
*17th Discussion Conference of the Prague Meetings on Macromolecules*, July 1997, Prague, Czech Republic
9. S. H. Anastasiadis  
"Dynamics of Block Copolymer Systems Near the Ordering Transition"  
*4th International Symposium on Polymers for Advanced Technologies*, September 1997, Leipzig, Germany
10. S. H. Anastasiadis, G. Fytas, D. Vlassopoulos, R. Seghrouchni, C. Toprakcioglu, A. N. Semenov, and A. Likhtman  
"Evanescent Wave Dynamic Light Scattering Investigation of End-Anchored Chains"  
*214th National Meeting, American Chemical Society*, September 1997, Las Vegas, NV, U.S.A.  
Polym. Mater. Sci. Eng., Amer. Chem. Soc. **77**, 622 (1997).
11. S. H. Anastasiadis, G. Fytas, D. Vlassopoulos, R. Seghrouchni, C. Toprakcioglu, A. N. Semenov, and A. Likhtman  
"The Investigation of Collective Surface Dynamics by Evanescent Wave Dynamic Light Scattering"  
*1997 Fall Meeting of the Materials Research Society*, December 1997, Boston, MA, U.S.A.

12. S. H. Anastasiadis  
"Evanescent Wave Dynamic Light Scattering Investigation of the Collective Dynamics of Terminally Anchored Polymer Chains"  
*Gordon Research Conference on "Colloidal, Macromolecular and Polyelectrolyte Solutions"*, February 1998, Ventura, CA, U.S.A.
13. S. H. Anastasiadis (Dillon Medal Address)  
"Relaxation of Composition Fluctuations and Motion in Block Copolymers for Wavevectors near the Maximum of the Structure Factor"  
*General Meeting 98, American Physical Society*, March 1998, Los Angeles, CA, U.S.A.  
Bull. Amer. Phys. Soc. **43**, 364 (1998).
14. S. H. Anastasiadis, H. Retsos, K. Kunz, C. Toprakcioglu, G. Smith, G. Hadziioannou, R. Gill, and M. Stamm  
"Polymer Brushes and Mushrooms in Polymeric Matrices"  
*218th National Meeting, American Chemical Society*, August 1999, New Orleans, LA, U.S.A.  
Polym. Prepr., Amer. Chem. Soc., Div. Polym. Chem. **40**(2), 116 (1999).
15. S. H. Anastasiadis, K. Karatasos, G. Vlachos, E. Manias, and E. P. Giannelis  
"Local Dynamics under Severe Confinement in Nanocomposites"  
*219th National Meeting, American Chemical Society*, March 2000, San Francisco, CA, U.S.A.  
Polym. Mater. Sci. Eng., Amer. Chem. Soc. **82**, 211 (2000).
16. S. H. Anastasiadis  
"Structure and Dynamics of Multiconstituent Polymers in Bulk and Near Interfaces"  
*Scientia Europæa No. 5, Académie des Sciences and Fondation Aventis-Institut de France*, September 2000, "Le Bischenberg", Bischoffsheim (near Strasbourg), France
17. H. Retsos, and S. H. Anastasiadis  
"Block Copolymers Added to the Polymer / Polymer Interface: Effects of Additive MW, Architecture, and Composition"  
*COST P1 Workshop on "Soft Condensed Matter"*, September 2000, Patras, Greece
18. S. H. Anastasiadis  
"Mushrooms and Brushes in Thin Films of Diblock Copolymer/Homopolymer Mixtures"  
*Euroconference on Chains @ Interfaces 2001*, January 2001, Évora, Portugal
19. S. H. Anastasiadis, K. Chrissopoulou, E. P. Giannelis, E. Manias, R. Krishnamoorti, M. Pitsikalis, N. Hadjichristidis, and B. Frick  
"Effects of Confinement on the Local and Global Chain Motion in Nanocomposites"  
*4th International Discussion Meeting on Relaxations in Complex Systems*, June 2001, Hersonissos Heraklion, Crete, Greece
20. S. H. Anastasiadis  
"Polymer Brushes and Mushrooms in Polymeric Matrices"  
*20th Discussion Conference of the Prague Meetings on Macromolecules*, July 2001, Prague, Czech Republic
21. S. H. Anastasiadis  
"Conformation of End-Anchored Chains in Polymeric Matrices and the Development of Intelligent Surfaces"  
*European Science Foundation Conference on Interfaces and Thin Films of Polymers and Colloidal Systems*, September 2001, Acquafredda di Maratea, near Naples, Italy
22. S. H. Anastasiadis, H. Retsos, S. Pispas, N. Hadjichristidis, and S. Neophytides  
"Development of Smart Polymer Surfaces"  
*2001 Fall Meeting of the Materials Research Society*, November 2001, Boston, MA, U.S.A.

23. S. H. Anastasiadis, L. Papoutsakis, P. Fragouli, H. Iatrou, N. Hadjichristidis, S. Sidorov, V. Zhirov, and L. Bronstein  
"Micellization and Metal Nanoparticle Formation in PV2P-block-PEO Diblock Copolymers in Aqueous Media"  
*4<sup>th</sup> International Symposium "Molecular Order and Mobility in Polymer Systems" sponsored by IUPAC*, June 2002, St. Petersburg, Russia
24. S. H. Anastasiadis  
"Conformation of End-Anchored Chains in Polymeric Matrices"  
*2002 Fall Meeting of the Materials Research Society*, December 2002, Boston, MA, U.S.A.
25. S. H. Anastasiadis  
"Polymer Interface Fundamentals: From Morphology to Electronic Structure. Part I: Morphology"  
Tutorial lecture associated with the MRS Symposium B: "Polymer/Metal Interfaces—Fundamentals, Properties, and Applications" [<http://www.mrs.org/meetings/fall2002/program/tutorials.html#ftb>]  
*2002 Fall Meeting of the Materials Research Society*, December 2002, Boston, MA, U.S.A.
26. S. H. Anastasiadis  
"Polymer Dynamics Under Strong Spatial Confinement"  
*General Meeting 03, American Physical Society*, March 2003, Austin, TX, U.S.A.  
*Bull. Amer. Phys. Soc.* **48**, 763 (2003).
27. S. H. Anastasiadis, L. Papoutsakis, P. Fragouli, H. Iatrou, N. Hadjichristidis, S. Sidorov, V. Zhirov, and L. Bronstein  
"Micellization and Metal Nanoparticle Formation in pH-sensitive Amphiphilic Block Copolymers"  
*15<sup>th</sup> European Symposium on Polymer Spectroscopy (ESOPS 15)*, June 2003, Heraklion Crete, Greece
28. S. H. Anastasiadis  
"Micellar Behavior and Metal Nanoparticle Formation in pH-sensitive Amphiphilic Block Copolymers in Aqueous Media"  
*European Science Foundation SUPERNET 2003 Conference on "Complex Polymer Structures: Synthesis, Characterization and Modelling"*, September 2003, Spa, Belgium
29. M. Vamvakaki, L. Papoutsakis, V. Katsamanis, S. H. Anastasiadis, P. Fragouli, H. Iatrou, N. Hadjichristidis, S. P. Armes, S. Sidorov, D. Zhirov, V. Zhirov, M. Kostylev and L. Bronstein  
"Micellar Behavior and Metal Nanoparticle Formation in pH-sensitive Amphiphilic Block Copolymers in Aqueous Media"  
*226<sup>th</sup> National Meeting, American Chemical Society*, September 2003, New York, NY, U.S.A.  
*Polym. Mater. Sci. Eng., Amer. Chem. Soc.* **89**, 190 (2003).
30. S. H. Anastasiadis  
"Controlling Polymer Interfacial Behavior"  
*XIX Panhellenic Conference on Solid State Physics and Materials Science*, September 2003, Thessaloniki, Greece
31. S. H. Anastasiadis  
"Controlling the Interfacial Properties in Polymer Systems"  
*International Conference "Modern Trends in Organoelement and Polymer Chemistry" (INEOS 50)*, Russian Academy of Sciences, May 2004, Moscow, Russia
32. S. H. Anastasiadis  
"Controlling Polymer Interfaces"  
*World Polymer Congress MACRO 2004, 40<sup>th</sup> IUPAC International Symposium on Macromolecules*, July 2004, Paris, France

33. K. Chrissopoulou, S. H. Anastasiadis, E. P. Giannelis, and B. Frick  
"Dynamics under severe confinement in intercalated polymer / layered silicates nanocomposites"  
*229th National Meeting, American Chemical Society*, March 2005, San Diego, CA, U.S.A.  
*Polym. Mater. Sci. Eng., Amer. Chem. Soc.* **92**, 233 (2005).
34. I. Altintzi, K. Chrissopoulou, S. H. Anastasiadis, M. Pitsikalis, N. Hadjichristidis, N. Theophilou, and E. P. Giannelis  
"Controlling the miscibility of polyolefin / layered silicates nanocomposites by altering the polymer / surface interactions"  
*229th National Meeting, American Chemical Society*, March 2005, San Diego, CA, U.S.A.  
*Polym. Mater. Sci. Eng., Amer. Chem. Soc.* **92**, 252 (2005).
35. S. H. Anastasiadis  
"Micellization of pH-responsive Amphiphilic Diblock Copolymers in Aqueous Media and the Formation of Metal Nanocrystals"  
*General Meeting 05, American Physical Society*, March 2005, Los Angeles, CA, U.S.A.  
*Bull. Amer. Phys. Soc.* **50**, 367 (2005).
36. S. H. Anastasiadis  
"pH-responsive Block Copolymers and the Formation of Metal Nanocrystals"  
*European Polymer Congress 2005, European Polymer Federation*, June 2005, Moscow, Russia
37. S. H. Anastasiadis, K. Chrissopoulou, A. Afratis, G. Floudas, E. P. Giannelis, and B. Frick  
"Confinement effects on dynamics in intercalated polymer / layered silicates nanocomposites"  
*Pacificchem 2005*, December 2005, Honolulu, Hawaii, U.S.A.
38. S. H. Anastasiadis, M. Vamvakaki, D. Palioura, and A. Spyros  
"Micellization and Metal Nanocrystal Formation in pH-responsive Amphiphilic Block Copolymers in Aqueous Media"  
*3<sup>rd</sup> Workshop on Nanosciences and Nanotechnologies*, July 2006, Thessaloniki, Greece
39. S. H. Anastasiadis, M. Vamvakaki, D. Palioura, and A. Spyros  
"The Formation of Metal Nanoparticles in pH-responsive Block Copolymers and Hydrogels"  
*IUPAC International Symposium on "Advanced Polymers for Emerging Technologies" [PSK30]*, October 2006, Bexco, Busan, Korea
40. S. H. Anastasiadis  
"Responsive Polymer Materials and Surfaces"  
*Brain Korea 21 (BK21) Symposium on Macromolecular Science*, October 2006, Seoul, Korea
41. S. H. Anastasiadis  
"Investigation of the Structure and Dynamics in Polymer Nanocomposites"  
*Summer School on Nanosciences and Nanotechnologies*, July 2007, Thessaloniki, Greece
42. S. H. Anastasiadis  
"Responsive Polymer Materials and Material Surfaces"  
*4<sup>th</sup> Workshop on Nanosciences and Nanotechnologies*, July 2007, Thessaloniki, Greece
43. S. H. Anastasiadis, K. Chrissopoulou, A. Afratis, S. Fotiadou, E. P. Giannelis, and B. Frick  
"Confinement Effects on the Structure and Dynamics in Intercalated Polymer/Layered Silicates Nanohybrids"  
*234th National Meeting, American Chemical Society*, August 2007, Boston, MA, U.S.A.  
*Polym. Mater. Sci. Eng., Amer. Chem. Soc.* **97**, 786 (2007).

44. S. H. Anastasiadis  
"Characterization of the Reversible Wettability of Photosensitive Polymer Surfaces"  
*20th International Symposium on Polymer Analysis and Characterization (ISPAC 2007)*, October 2007, Agios Nikolaos, Crete, Greece
45. S. H. Anastasiadis  
"Polymer/Layered Silicate Nanocomposites: Structure and Dynamics"  
"Professor Robert Pfeffer Seminar", *29th International Fine Particle Research Institute Annual General Meeting (IFPRI AGM 2008)*, June 2008, Hersonisos, Crete, Greece
46. S. H. Anastasiadis, S. Fotiadou, K. Chrissopoulou, K. Andrikopoulos, D. Christofilos, G. A. Kourouklis and B. Frick  
"Effects of Severe Confinement on Structure and Dynamics in Polymer Nanocomposites"  
*The XVth International Congress on Rheology*, August 2008, Monterey, CA, U.S.A.  
American Inst. of Physics Proceedings (A. Co, L. G. Leal, R. H. Colby and A. J. Giacomin, Eds.), Vol. 1027, pp. 1303-1305 (2008)
47. S. H. Anastasiadis (keynote)  
"Biomimetic Multifunctionally Responsive Surfaces"  
*13th IACIS International Conference on Surface and Colloid Science and 83rd ACS Colloid and Surface Science*, June 2009, New York, NY, U.S.A.
48. S. H. Anastasiadis  
"Biomimetic Multifunctionally Responsive Surfaces"  
*6th Workshop on Nanosciences and Nanotechnologies*, July 2009, Thessaloniki, Greece
49. S. H. Anastasiadis  
"Development of Biomimetic and Functionally Responsive Surfaces"  
*General Meeting 10, American Physical Society*, March 2010, Portland, OR, U.S.A.  
Bull. Amer. Phys. Soc. **55**, D6.00003 (2010).
50. E. Pavlopoulou, K. Chrissopoulou, S. H. Anastasiadis, G. Portale, W. Bras, H. Iatrou, S. Pispas, and N. Hadjichristidis  
"Influence of macromolecular architecture on the micellization of block copolymers within homopolymer matrices"  
*240th National Meeting, American Chemical Society*, August 2010, Boston, MA, U.S.A.  
Polym. Prepr., Amer. Chem. Soc., Div. Polym. Chem. **51**(2), 328 (2010).
51. S. H. Anastasiadis, E. Stratakis, M. Barberoglou, V. Zorba, A. Mateescu, D. S. Achilleos, M. Vamvakaki, C. Fotakis  
"From superhydrophobicity and water repellence to superhydrophilicity: smart polymer-functionalized surfaces"  
*240th National Meeting, American Chemical Society*, August 2010, Boston, MA, U.S.A.
52. S. H. Anastasiadis  
"Development of Smart Polymer-functionalized Surfaces"  
*XXVI Panhellenic Conference on Solid State Physics and Materials Science*, September 2010, Ioannina, Greece  
XXVI Panhellenic Conference on Solid State Physics and Materials Science Proceedings, p. XXX, 2010
53. S. H. Anastasiadis, E. Pavlopoulou, K. Chrissopoulou, G. Portale, W. Bras, H. Iatrou, S. Pispas, and N. Hadjichristidis  
"Macromolecular Architecture Effects on the Micellization in Block Copolymer / Homopolymer Blends"  
*8th Panhellenic Polymer Conference on Polymer Science and Technology honoring Professor Nikos Hadjichristidis*, October 2010, Heraklion Crete, Greece

54. S. H. Anastasiadis  
"Development of Hierarchically Structured Smart Surfaces"  
*2<sup>nd</sup> Russian – Hellenic Symposium on Polymeric Biomaterials and Bionanomaterials: Recent Advances Safety and Toxicology (BIONANOTOX 2011)*, May 2011, Heraklion Crete, Greece
55. S. H. Anastasiadis  
"Smart polymer-functionalized surfaces: from superhydrophilicity to superhydrophobicity and water repellence"  
*Polymers for Advanced Technology Conference (PAT 2011)*, October 2011, Lodz, Poland
56. S. H. Anastasiadis  
"Structure and dynamics in polymer / layered silicate nanocomposites"  
*PolyColl 2012*, Division of Polymers and Colloids, Swiss Chemical Society, April 2012, Fribourg, Switzerland
57. S. H. Anastasiadis  
"Synthesis of metal nanoparticulate catalysts within responsive microgels"  
*3<sup>rd</sup> Russian – Hellenic Symposium on Polymeric Biomaterials and Bionanomaterials: Recent Advances Safety and Toxicology (BIONANOTOX 2012)*, May 2012, Heraklion Crete, Greece
58. S. H. Anastasiadis, M. Kaliva, K. Christodoulakis and M. Vamvakaki  
"The Synthesis of Metal Nanoparticulate Catalysts within Functional Microgel Particles"  
*9<sup>th</sup> Workshop on Nanosciences and Nanotechnologies*, July 2012, Thessaloniki, Greece
59. S. H. Anastasiadis, M. Kaliva, K. Christodoulakis, M. A. Frysalis, L. Papoutsakis and M. Vamvakaki  
"Synthesis of Nanocatalysts within pH-responsive Polymeric Nanostructures"  
*"Metal Nanoparticles for Advanced Materials: From Theory to Practice"*, *NanoTP Symposium*, October 2012, Heraklion Crete, Greece
60. S. H. Anastasiadis, M. Kaliva, M. Vamvakaki, M. A. Frysalis and L. Papoutsakis  
"Metallic Nanocatalysts embedded within pH-responsive Polymeric Nanostructures"  
*9<sup>th</sup> Panhellenic Polymer Conference on Polymer Science and Technology*, November 2012, Thessaloniki, Greece
61. S. H. Anastasiadis  
"The synthesis of metal nanoparticulate catalysts within responsive polymer nanostructures and their immobilization onto inorganic surfaces"  
*2<sup>nd</sup> International Summer School on Catalysis for Sustainability*, June 2013, Rolduc, Kerkrade, The Netherlands
62. M. A. Frysalis, L. Papoutsakis, M. Kaliva, M. Vamvakaki and S. H. Anastasiadis  
"The immobilization of polymer microgels containing metal nanocatalysts onto inorganic surfaces"  
*10<sup>th</sup> Workshop on Nanosciences and Nanotechnologies*, July 2013, Thessaloniki, Greece
63. S. H. Anastasiadis  
"Structure and Dynamics in Polymer / Layered-Silicate Nanocomposites"  
*Eurofillers 2013*, August 2013, Bratislava, Slovakia
64. S. H. Anastasiadis  
"Structure and Dynamics in Polymer / Layered-Silicate Nanocomposites"  
*"Nanoparticle-polymer composites" Topical Meeting 2013*, Final meeting of COST Action MP0902, October 2013, Heraklion Crete, Greece

65. S. H. Anastasiadis  
"Structure and Dynamics of Hyperbranched Polymers / Layered Silicate Nanocomposites"  
*IX International Conference on X-Ray Investigations of Polymer Structure*, December 2013, Zakopane, Poland
66. S. H. Anastasiadis  
"Structure and Dynamics in Polymer / Layered-Silicate Nanocomposites"  
*2014 Qatar Fertiliser Co. (QAFCO) – Texas A&M University at Qatar (TAMUQ) Conference on Nanotechnology and Energy*, January 2014, Doha, Qatar
67. S. H. Anastasiadis  
"Polymer Structure and Dynamics in Polymer / Layered-Silicate Nanocomposites"  
*General Meeting 14, American Physical Society*, March 2014, Denver, CO, U.S.A.  
Bull. Amer. Phys. Soc. **59**, Q22.00008 (2014).
68. S. H. Anastasiadis  
"Effect of Interactions on Confined Polymer Dynamics"  
*11<sup>th</sup> Workshop on Nanosciences and Nanotechnologies*, July 2014, Thessaloniki, Greece
69. S. H. Anastasiadis  
"Structure and Dynamics of Polymer Nanocomposites"  
*International Symposium on Advanced Nanoporous and Nanostructured Materials*, September 2014, Heraklion Crete, Greece
70. S. H. Anastasiadis  
"Structure and Dynamics in Polymer Nanocomposites"  
*10<sup>th</sup> Panhellenic Polymer Conference on Polymer Science and Technology*, December 2014, Patras, Greece
71. S. H. Anastasiadis  
"Studies of structure and dynamics of polymer systems utilizing neutron scattering"  
*Workshop on the European Spallation Source and the opportunities offered for Greek participation*, December 2014, Athens, Greece
72. S. H. Anastasiadis, M. A. Frysalis, L. Papoutsakis, G. Kenanakis, E. Stratakis, M. Vamvakaki and S. Pispas  
"Polymeric surfaces exhibiting photocatalytic activity and controlled wettability with anisotropic features"  
*249<sup>th</sup> National Meeting, American Chemical Society*, March 2015, Denver, CO, U.S.A.
73. S. H. Anastasiadis  
"Polymer Structure and Dynamics in Polymer Nanocomposites"  
*COST MP1202 (HINT) Annual Meeting on Nanostructured Hybrid Materials II: reinforced 3D structures, smart composites, self-healing*, April 2015, Heraklion Crete, Greece
74. S. H. Anastasiadis, M. A. Frysalis, L. Papoutsakis, G. Kenanakis, E. Stratakis, M. Vamvakaki, G. Mountrichas and S. Pispas  
"Polymeric surfaces exhibiting photocatalytic activity and controlled anisotropic wettability"  
*29<sup>th</sup> International Conference on Surface Modification Technologies*, June 2015, Copenhagen, Denmark
75. S. H. Anastasiadis  
"Polymer Structure and Dynamics in Polymer Nanocomposites"  
*Workshop on Polymer Nanocomposites: Synthesis, Properties, Modeling, Applications*, June 2015, Athens, Greece



76. S. H. Anastasiadis  
"FORTH-IESL highlights and perspectives"  
*1<sup>st</sup> International QualityNano Conference & Training Workshop "Current Status and Future Plans of Nanosafety Research and Implementation"*, July 2015, Heraklion Crete, Greece
77. K. Chrissopoulou and S. H. Anastasiadis  
"Development of Functional Polymer Materials and Materials Surfaces"  
*22<sup>nd</sup> Biennial Symposium and General Assembly of the European Low Gravity Research Association (ELGRA 2015)*, September 2015, Corfu, Greece
78. S. H. Anastasiadis  
"The Importance of Pockets of Excellence in the Context of the Smart Specialization Strategies: FORTH as an Example"  
*RISE High-level Workshop on the Impact of Smart Specialization Strategies on Pockets of Excellence and Regional Growth*, October 2015, Heraklion Crete, Greece
79. S. H. Anastasiadis, T. Manouras, E. Koufakis and M. Vamvakaki  
"Development of biocidal and self-polishing surfaces based on hydrolyzable block copolymers"  
*10<sup>th</sup> Anniversary Conference of the Hellenic Society of Biomaterials*, November 2015, Athens, Greece
80. S. H. Anastasiadis  
"Education and Research in the Academic and Research Institutions of Greece"  
*30<sup>th</sup> Anniversary of the Chemical Process & Energy Resources Institute (CPERI)*, December 2015, Thessaloniki, Greece
81. S. H. Anastasiadis  
"Structure and dynamics in polymer nanocomposites"  
*Second International Conference on Materials Science and Technology (ICMST 2016)*, June 2016, St. Thomas College Pala, Kerala, India
82. S. H. Anastasiadis  
"Structure and dynamics in polymer nanocomposites"  
*16<sup>th</sup> International Conference "Polymers and Organic Chemistry" (POC-16)*, June 2016, Heraklion Crete, Greece
83. S. H. Anastasiadis  
"Effects of Confinement on Polymer Structure and Dynamics"  
*5<sup>th</sup> International Conference from Nanoparticles and Nanomaterials to Nanodevices and Nanosystems" (IC4N 2016)*, June 2016, Porto Heli, Greece
84. S. H. Anastasiadis  
"Effects of Spatial Confinement on Polymer Structure and Dynamics"  
*80th Prague Meetings on Macromolecules "Self-assembly in the world of polymers"*, July 2016, Prague, Czech Republic
85. S. H. Anastasiadis  
"Effects of Confinement on Polymer Structure and Dynamics"  
*Gordon Research Conference on "Polymer Physics"*, July 2016, Mount Holyoke College, South Hadley, MA, U.S.A.
86. S. H. Anastasiadis  
"Confinement Effects on Polymer Structure and Dynamics"  
*Joint European Molecular Liquids Group (EMLG) / Japanese Molecular Liquids Group (JMLG) Annual Meeting*, September 2016, Platanias - Chania Crete, Greece

87. S. H. Anastasiadis  
"Education and Research in the Research Institutions"  
*"The Dialogue of Seven", Second Cycle*, October 2016, Athens, Greece
88. K. Chrissopoulou and S. H. Anastasiadis  
"Confinement Effects on Polymer Structure and Dynamics: The Case of Polymer Nanocomposites"  
*COST CA15107 (MultiComp) Annual Meeting on Multi-Functional Nano-Carbon Composite Materials*, October 2016, Heraklion Crete, Greece
89. S. H. Anastasiadis  
"Confinement Effects on Polymer Structure and Dynamics: The Case of Polymer Nanocomposites"  
*KAUST Research Conference: Polymers-Designing Macromolecules for Applications*, February 2017, King Abdullah University of Science and Technology (KAUST), Thuwal, Saudi Arabia
90. S. H. Anastasiadis  
"Development of Functional Polymer Surfaces with Controlled Wettability"  
*CoWet Winter School 2016 on Micro- and macro- approaches for fluid / fluid and solid / fluid interfaces*, February 2017, Thessaloniki-Metsovo, Greece
91. M. A. Frysalis, G. Kenanakis, G. Kaklamani, L. Papoutsakis and S. H. Anastasiadis,  
"Development of multi-functional surfaces with controllable wettability"  
*253th National Meeting, American Chemical Society*, April 2017, San Francisco, CA, U.S.A.
92. S. H. Anastasiadis  
"Effects of Spatial Confinement on Polymer Structure and Dynamics"  
*European Polymer Congress 2017, European Polymer Federation*, July 2017, Lyon, France
93. X. Obradors and S. H. Anastasiadis  
"NFFA Installation 2: Nanoscience Laboratories for Nanomaterials Growth and Synthesis"  
*2017 Fall Meeting of the European Materials Research Society*, September 2017, Warsaw, Poland
94. S. H. Anastasiadis  
"Effects of Confinement on Polymer Structure and Dynamics: The Case of Polymer Nanocomposites"  
*13th Nanotech Congress (International Topical Meeting on Nanostructured Materials and Nanotechnology)*, November 2017, Puerto Vallarta, Mexico
95. S. H. Anastasiadis  
"The Research Activities of IESL"  
*6th China (Shanghai) International Technology Fair*, April 2018, Shanghai, China
96. S. H. Anastasiadis  
"Enabling laser technologies in diagnostics and conservation of works of art and historical monuments"  
*6th China (Shanghai) International Technology Fair*, April 2018, Shanghai, China
97. M. A. Frysalis, G. Kenanakis, G. Kaklamani, L. Papoutsakis and S. H. Anastasiadis  
"Development of Multi-functional Surfaces with Controllable Wettability and Water Adhesion"  
*Bordeaux Polymer Conference (BPC 2018)*, May 2018, Bordeaux, France
98. S. H. Anastasiadis  
"Effects of Confinement on Polymer Structure and Dynamics: The Case of Polymer Nanocomposites"  
*18th European Conference on Composite Materials*, June 2018, Athens, Greece
99. S. H. Anastasiadis  
"Multi-functional Surfaces with Controllable Wettability and Water Adhesion"  
*12th Hellenic Polymer Society International Conference*, September 2018, Ioannina, Greece

## 8.2. INVITED TALKS BY CO-WORKERS ON COMMON WORK

1. J. T. Koberstein, and S. H. Anastasiadis  
"Interfacial Tension in Binary Homopolymer Blends: The Effect of Added Block Copolymer"  
*195th National Meeting of the American Chemical Society, and 3rd Chemical Congress of the North American Continent*, June 1988, Toronto, Ontario, Canada.  
Polym. Mater. Sci. Eng., Amer. Chem. Soc. **58**, 634 (1988).
2. J. T. Koberstein, J.-K. Chen, and S. H. Anastasiadis  
"Analysis of Axisymmetric Fluid Drop Profiles by Robust Shape Comparison"  
*195th National Meeting of the American Chemical Society, and 3rd Chemical Congress of the North American Continent*, June 1988, Toronto, Ontario, Canada.
3. T. P. Russell, S. H. Anastasiadis, G. Coulon, V. Deline, S. K. Satija, C. F. Majkrzak  
"Surface Induced Orientation of Symmetric Diblock Copolymers"  
*General Meeting 89, American Physical Society*, March 1989, St. Louis, MO, U.S.A.  
Bull. Amer. Phys. Soc. **34**, 937 (1989).
4. T. P. Russell, S. H. Anastasiadis, S. K. Satija, C. F. Majkrzak  
"Neutron Reflectivity Studies of Thin Diblock Copolymer Films"  
*ESF Workshop*, June 1989, Mainz, Federal Republic of Germany.
5. S. K. Satija, C. F. Majkrzak, S. H. Anastasiadis, and T. P. Russell  
"Neutron Reflectivity Studies on Thin Diblock Copolymer Films"  
*200th National Meeting, American Chemical Society*, August 1990, Washington, D.C., U.S.A.  
Polym. Prepr., Amer. Chem. Soc., Div. Polym. Chem. **31**(2), 104 (1990).
6. T. P. Russell, A. Menelle, S. H. Anastasiadis, S. K. Satija, and C. F. Majkrzak  
"Order Disorder Transitions in Thin Diblock Copolymer Films"  
*Tethered Chains I: A Symposium on the Science of Polymeric Surfactants*, May 1991, University of Minnesota, Minneapolis, MN, U.S.A.
7. T. P. Russell, A. Menelle, S. H. Anastasiadis, S. K. Satija, and C. F. Majkrzak  
"The Ordering of Thin Films of Symmetric Diblock Copolymers"  
*Applications of Scattering Methods to the Dynamics of Polymer Systems, 27th Europhysics Conference on Macromolecular Physics*, September 1991, Aghia Pelaghia, Crete, Greece.
8. T. P. Russell, A. Menelle, S. H. Anastasiadis, S. K. Satija, and C. F. Majkrzak  
"Thin Film Order of Symmetric Diblock Copolymers"  
*International Symposium on Polymer Thermodynamics and Radiation Scattering Honoring Prof. Henri Benoit on the Occasion of his 70th Birthday*, September 1991, Strasburg, France  
Makromol. Chem., Macromol. Symp. **62**, 157 (1992).
9. G. Fytas, T. Jian, S. H. Anastasiadis, A. N. Semenov, S. Vogt, and B. Chu  
"Composition Fluctuation Induced Depolarized Light Scattering from Diblock Copolymer Melts"  
*207th National Meeting, American Chemical Society*, March 1994, San Diego, CA, U.S.A.  
Polym. Prepr., Amer. Chem. Soc., Div. Polym. Chem. **35**(1), 615 (1994).
10. A. N. Semenov, G. Fytas, and S. H. Anastasiadis  
"Dynamics of Composition Fluctuations in Block-Copolymer Systems"  
*207th National Meeting, American Chemical Society*, March 1994, San Diego, CA, U.S.A.  
Polym. Prepr., Amer. Chem. Soc., Div. Polym. Chem. **35**(1), 618 (1994).
11. T. Jian, G. Fytas, S. H. Anastasiadis, and A. D. Vilesov  
"Interdiffusion in Diblock Copolymer Systems Above the Ordering transition"  
*208th National Meeting of the American Chemical Society*, August 1994, Washington, DC, U.S.A.  
Polym. Mater. Sci. Eng., Amer. Chem. Soc. **71**, 767 (1994)

12. S. Kumar, R. Colby, B. Veytsman, K. Karatasos, S. H. Anastasiadis, and G. Fytas  
"Concentration Fluctuation in Miscible Polymer Blends: Role of Glass Transition Effects"  
*6th European Polymer Federation Symposium on Polymeric Materials*, October 1996, Aghia Pelaghia, Crete, Greece
13. G. Fytas, K. Chrissopoulou, S. H. Anastasiadis, A. N. Semenov, M. Xenidou, and N. Hadjichristidis  
"Dynamic Structure Factor of Diblock Copolymers"  
*Osaka University Macromolecular Symposium on Molecular Interactions and Time-Space Organization in Macromolecular Systems, OUMS'98*, June 1998, Osaka, Japan
14. G. Fytas, K. Chrissopoulou, S. H. Anastasiadis, D. Vlassopoulos, A. N. Semenov, and N. Hadjichristidis  
"Relaxation Processes in Block Copolymers"  
*Unifying Principles for Engineering Soft Materials, Conference at Risø National Laboratory*, June 1998, Risø, Denmark
15. R. Sigel, K. Chrissopoulou, S. Pispas, S. H. Anastasiadis, D. Vlassopoulos, N. Hadjichristidis, and G. Fytas  
"Dynamic Structure Factor of Diblock Copolymers near the Ordering Transition"  
*38th International Symposium on Macromolecules (MACRO 2000), IUPAC*, July 2000, Warsaw, Poland
16. M. Psyllaki, D. Anglos, S. H. Anastasiadis, R. Das, and E. P. Giannelis  
"Hybrid Random Lasers"  
*2002 Spring Meeting of the Materials Research Society*, April 2002, San Francisco, CA, U.S.A.
17. L. Vo, S. H. Anastasiadis, and E. P. Giannelis  
"Time interface effects in polymer-clay nanocomposites"  
*241th National Meeting, American Chemical Society*, March 2011, Anaheim, CA, U.S.A.  
*Polym. Mater. Sci. Eng., Amer. Chem. Soc.* **104**, 675 (2011).
18. K. Chrissopoulou, S. Bollas, S. Fotiadou, K. Andrikopoulos, G. Voyiatzis and S. H. Anastasiadis  
"Polymer Morphology in Confinement and Close to Surfaces"  
*8th Workshop on Nanosciences and Nanotechnologies*, July 2011, Thessaloniki, Greece
19. E. Kymakis, M. M. Stylianakis, E. Koudoumas, S. H. Anastasiadis and E. Stratakis  
"Solution Processable Graphene Derivatives in Organic Photovoltaics"  
*9th Workshop on Nanosciences and Nanotechnologies*, July 2012, Thessaloniki, Greece

### 8.3. CONTRIBUTED PRESENTATIONS

1. S. H. Anastasiadis, J. K. Chen, J. T. Koberstein, J. E. Sohn, and J. A. Emerson  
"Interfacial Tension of PDMS / PBD: Comparison of Theory and Experiment"  
*General Meeting 85, American Physical Society*, March 1985, Baltimore, MD, U.S.A.  
Bull. Amer. Phys. Soc. **30**, 538 (1985).
2. J. T. Koberstein, J.-K. Chen, and S. H. Anastasiadis  
"The Determination of Polymer-Polymer Interfacial Tension using Digital Drop Image Processing"  
*ANTEC 85, Society of Plastics Engineers*, April 1985, Washington, D.C., U.S.A.  
Proceedings 43rd ANTEC '85, p. 365, SPE, 1985.
3. S. H. Anastasiadis, and J. T. Koberstein  
"Determination of Polymer Interfacial Tension by Digital Image Processing of Pendant Fluid Drops"  
*12th International Conference on Organic Coatings Science and Technology*, July 1986, Athens, Greece.
4. S. H. Anastasiadis, and J. T. Koberstein  
"Polymer Interface Characterization: Interfacial Tension Measurements using Video Image Processing"  
*General Meeting 87, American Physical Society*, March 1987, New York, NY, U.S.A.  
Bull. Amer. Phys. Soc. **32**, 492 (1987).
5. J. T. Koberstein, S. H. Anastasiadis, and Q. S. Bhatia  
"Interface Partitioning in Multicomponent Polymer Systems"  
*Conference on Emerging Technologies in Materials, American Institute of Chemical Engineers*, August 1987, Minneapolis, MN, U.S.A.  
Conference on Emerging Technologies in Materials Proceedings, p. 130, AIChE, 1987.
6. S. H. Anastasiadis, and J. T. Koberstein  
"Interfacial Tension of Immiscible Polymer Blends"  
*194th National Meeting, American Chemical Society*, August 1987, New Orleans, LA, U.S.A.  
Polym. Prepr., Amer. Chem. Soc., Div. Polym. Chem. **28**(2), 24 (1987).
7. S. H. Anastasiadis, and J. T. Koberstein  
"Interfacial Tension in Homopolymer Blends and with Added Block Copolymer"  
*Annual Meeting of the American Institute of Chemical Engineers*, November 1987, New York, NY, U.S.A.
8. S. H. Anastasiadis, and J. T. Koberstein  
"Interfacial Tension in Homopolymer Blends - The Effect of Diblock Copolymer Addition"  
*1987 Fall Meeting of the Materials Research Society*, November 1987, Boston, MA, U.S.A.
9. J. T. Koberstein, and S. H. Anastasiadis  
"Effect of Block Copolymer Addition on the Interfacial Tension in Binary Polymer Blends"  
*General Meeting 88, American Physical Society*, March 1988, New Orleans, LA, U.S.A.  
Bull. Amer. Phys. Soc. **33**, 1350 (1988).
10. S. K. Satija, C. F. Majkrzak, T. P. Russell, and S. H. Anastasiadis  
"Neutron Reflectivity from Thin Block Copolymer Films on Fused Silica"  
*1988 Fall Meeting of the Materials Research Society*, November 1988, Boston, MA, U.S.A.
11. S. H. Anastasiadis, T. P. Russell, S. K. Satija, and C. F. Majkrzak  
"Details of the Microphase Separated Morphology of Symmetric Diblock Copolymers"  
*General Meeting 89, American Physical Society*, March 1989, St. Louis, MO, U.S.A.  
Bull. Amer. Phys. Soc. **34**, 755 (1989).

12. S. H. Anastasiadis, T. P. Russell, S. K. Satija, and C. F. Majkrzak  
"Neutron Reflectivity Studies of Thin Diblock Copolymer Films"  
*196th National Meeting, American Chemical Society*, April 1989, Dallas, TX, U.S.A.  
*Polym. Prepr., Amer. Chem. Soc., Div. Polym. Chem.* **30**(2), 364 (1989).
13. S. H. Anastasiadis, T. P. Russell, S. K. Satija, and C. F. Majkrzak  
"Neutron Reflectivity Studies of Thin Diblock Copolymer Films"  
*2nd Topical Conference on Emerging Technologies in Materials, Annual Meeting of the American Institute of Chemical Engineers*, November 1989, San Francisco, CA, U.S.A.  
*Conference on Emerging Technologies in Materials Proceedings*, p. 202f, AIChE, 1989.
14. S. H. Anastasiadis, T. P. Russell, S. K. Satija, and C. F. Majkrzak  
"A Neutron Reflectivity Study of the Order-Disorder Transition in Thin Diblock Copolymer Films"  
*1989 Fall Meeting of the Materials Research Society*, November 1989, Boston, MA, U.S.A.
15. S. K. Satija, C. F. Majkrzak, S. H. Anastasiadis, and T. P. Russell  
"The Morphology of Symmetric Diblock Copolymers as Revealed by Neutron Reflectivity"  
*1989 Fall Meeting of the Materials Research Society*, November 1989, Boston, MA, U.S.A.
16. T. P. Russell, S. H. Anastasiadis, G. P. Felcher, and S. K. Satija  
"Copolymers at the Interface of Immiscible Homopolymers"  
*1989 Fall Meeting of the Materials Research Society*, November 1989, Boston, MA, U.S.A.
17. T. P. Russell, S. H. Anastasiadis, S. K. Satija, and C. F. Majkrzak  
"Surface Effects on the Morphology of Symmetric Diblock Copolymers"  
*1989 International Chemical Congress of Pacific Basin Societies*, December 1989, Honolulu, HI, U.S.A.
18. S. H. Anastasiadis, T. P. Russell, S. K. Satija, and C. F. Majkrzak  
"Order-Disorder Transition in Thin Copolymer Films"  
*General Meeting 90, American Physical Society*, March 1990, Anaheim, CA, U.S.A.  
*Bull. Amer. Phys. Soc.* **35**, 745 (1990).
19. S. K. Satija, C. F. Majkrzak, T. P. Russell, and S. H. Anastasiadis  
"Modification of Copolymer Morphology by Film Thickness"  
*General Meeting 90, American Physical Society*, March 1990, Anaheim, CA, U.S.A.  
*Bull. Amer. Phys. Soc.* **35**, 507 (1990).
20. T. P. Russell, S. H. Anastasiadis, G. P. Felcher, and S. K. Satija  
"Segment Density Profiles of Copolymers at Interfaces"  
*General Meeting 90, American Physical Society*, March 1990, Anaheim, CA, U.S.A.  
*Bull. Amer. Phys. Soc.* **35**, 611 (1990).
21. G. J. Hughes, E. B. Sirota, S. K. Sinha, S. K. Satija, T. P. Russell, and S. H. Anastasiadis  
"Specular and Off-Specular X-ray Reflectivity Studies on Diblock Copolymers"  
*General Meeting 90, American Physical Society*, March 1990, Anaheim, CA, U.S.A.  
*Bull. Amer. Phys. Soc.* **35**, 502 (1990).
22. T. P. Russell, S. H. Anastasiadis, G. P. Felcher, and S. K. Satija  
"Copolymers at the Interface of Immiscible Homopolymers"  
*1990 Spring Meeting of the Materials Research Society*, April 1990, San Francisco, CA, U.S.A.
23. S. H. Anastasiadis, T. P. Russell, S. K. Satija, and C. F. Majkrzak  
"Neutron Reflectivity Studies of Thin Diblock Copolymer Films"  
*2nd International Discussion Meeting on Relaxation in Complex Systems*, June 1990, Aghia Pelaghia, Crete, Greece.

24. T. P. Russell, S. H. Anastasiadis, A. Menelle, G. P. Felcher, and S. K. Satija  
"Neutron Reflectivity Studies of Block Copolymers at the Interface between Immiscible Homopolymers"  
*Colloid and Surface Science Symposium*, June 1990, Lehigh University, Bethlehem, PA, U.S.A.
25. T. P. Russell, S. H. Anastasiadis, A. Menelle, S. K. Satija, and G. P. Felcher  
"Neutron Reflectivity Studies of Symmetric Diblock Copolymers Confined to the Interface between Immiscible Homopolymers"  
*33rd I.U.P.A.C. International Symposium on Macromolecules*, July 1990, Montreal, Canada
26. T. P. Russell, A. Menelle, S. H. Anastasiadis, S. K. Satija, and C. F. Majkrzak  
"Order/Disorder Transitions of Symmetric, Diblock Copolymers in Thin Films"  
*General Meeting 91, American Physical Society*, March 1991, Cincinnati, OH, U.S.A.  
*Bull. Amer. Phys. Soc.* **36**, 897 (1991).
27. S. H. Anastasiadis, A. Menelle, T. P. Russell, S. K. Satija, and C. F. Majkrzak  
"Unconventional Morphologies of Symmetric Diblock Copolymers due to Film Thickness Constraints"  
*Applications of Scattering Methods to the Dynamics of Polymer Systems, 27th Europhysics Conference on Macromolecular Physics*, September 1991, Aghia Pelaghia, Crete, Greece.
28. S. H. Anastasiadis  
"Segment Density Distributions of Diblock Copolymers at the Polymer-Polymer Interface"  
*2nd Panhellenic Polymer Conference*, December 1991, Athens, Greece
29. G. P. Felcher, R. J. Goyette, S. H. Anastasiadis, T. P. Russell, M. Foster, and F. S. Bates  
"Forward Scattering of Neutrons from Imperfect Multilayers"  
*204th National Meeting, American Chemical Society*, August 1992, Washington, D.C., U.S.A.  
*Polym. Mater. Sci. Eng., Amer. Chem. Soc.* **67**, 158 (1992).
30. S. Vogt, S. H. Anastasiadis, G. Fytas, and E. W. Fischer  
"Local and Diffusive Motions in Poly(ethyl methyl siloxane - b - dimethyl siloxane) Diblock Copolymer Melts"  
*4th European Polymer Federation Symposium on Polymeric Materials*, September 1992, Baden-Baden, Germany
31. R. E. Gill, P. F. van Hutten, G. Hadziioannou, C. Toprakcioglu, S. H. Anastasiadis, and G. Smith  
"Neutron Reflectivity Studies of End-Adsorbed Diblock Copolymers"  
*General Meeting 93, American Physical Society*, March 1993, Seattle, WA, U.S.A.  
*Bull. Amer. Phys. Soc.* **38**, 414 (1993).
32. G. Fytas, S. H. Anastasiadis, K. Karatasos, and N. Hadjichristidis  
"Segmental and Chain Dynamics in Disordered Diblock Copolymer Melts"  
*13th General Conference of the Condensed Matter Division of the European Physical Society and the Deutsche Physicalische Gesellschaft*, March 1993, Regensburg, Germany
33. T. Jian, S. H. Anastasiadis, and G. Fytas  
"Dynamic Light Scattering Investigation of the Disorder-to-Order Transition in Solutions of Asymmetric Diblock Copolymers"  
*13th General Conference of the Condensed Matter Division of the European Physical Society and the Deutsche Physicalische Gesellschaft*, March 1993, Regensburg, Germany
34. S. Vogt, S. H. Anastasiadis, G. Fytas, and E. W. Fischer  
"Breathing and Composition Pattern Relaxation in Disordered Poly(dimethyl siloxane - ethyl methyl siloxane) Diblock Copolymer Melts"  
*13th General Conference of the Condensed Matter Division of the European Physical Society and the Deutsche Physicalische Gesellschaft*, March 1993, Regensburg, Germany

35. S. H. Anastasiadis, T. Jian, G. Fytas, and T. Kotaka  
"Dynamic Light Scattering Investigation of the Disorder-to-Order Transition in Solutions of Asymmetric Diblock Copolymers"  
*3rd International Discussion Meeting on Relaxation in Complex Systems*, June 1993, Alicante, Spain
36. S. Vogt, T. Jian, S. H. Anastasiadis, G. Fytas, and E.W. Fischer  
"Relaxation of Concentration Fluctuations in "Homogeneous" Diblock Copolymers Investigated by Dynamic Light Scattering"  
*3rd International Discussion Meeting on Relaxation in Complex Systems*, June 1993, Alicante, Spain
37. K. Karatasos, S. H. Anastasiadis, G. Fytas, N. Hadjichristidis, and J. E. L. Roovers  
"Dielectric Chain Relaxation in Poly(styrene-b-isoprene) Diblock Copolymer Melts near the Order-Disorder Transition"  
*3rd International Discussion Meeting on Relaxation in Complex Systems*, June 1993, Alicante, Spain
38. T. Jian, S. H. Anastasiadis, G. Fytas, A. N. Semenov, K. Adachi, and T. Kotaka  
"Dynamic Light Scattering Investigation of the Disorder-to-Order Transition in Solutions of Asymmetric Diblock Copolymers"  
*6th International Symposium on Polymer Analysis and Characterization*, July 1993, Agia Pelagia, Crete, Greece
39. K. Karatasos, S. H. Anastasiadis, G. Fytas, N. Hadjichristidis, A. N. Semenov, and J. E. L. Roovers  
"Dielectric Chain Relaxation in Poly(styrene-b-isoprene) Diblock Copolymer Melts near the Order-Disorder Transition"  
*6th International Symposium on Polymer Analysis and Characterization*, July 1993, Agia Pelagia, Crete, Greece
40. S. H. Anastasiadis  
"Dynamic Laser Light Scattering from Diblock Copolymer Solutions"  
*3rd Panhellenic Polymer Conference*, December 1993, Thessaloniki, Greece
41. S. H. Anastasiadis, K. Karatasos, G. Fytas, S. Pispas, M. Pitsikalis, N. Hadjichristidis, A. N. Semenov, J. E. L. Roovers, and T. Pakula  
"Composition Fluctuations Effects on Dielectric Normal Mode Relaxation in Diblock Copolymers"  
*207th National Meeting, American Chemical Society*, March 1994, San Diego, CA, U.S.A.  
Polym. Prepr., Amer. Chem. Soc., Div. Polym. Chem. **35**(1), 608 (1994).
42. S. H. Anastasiadis, T. Jian, A. N. Semenov, G. Fytas, and S. Vogt  
"Composition Fluctuation Induced Depolarized Light Scattering from Diblock Copolymers"  
*General Meeting 94, American Physical Society*, March 1994, Pittsburgh, PA, U.S.A.  
Bull. Amer. Phys. Soc. **39**(1), 105 (1994).
43. K. Karatasos, S. H. Anastasiadis, A. N. Semenov, N. Hadjichristidis, G. Fytas, J. E. L. Roovers, and T. Pakula  
"Composition Fluctuations and Dielectric Normal Mode Relaxation in Diblock Copolymers"  
*General Meeting 94, American Physical Society*, March 1994, Pittsburgh, PA, U.S.A.  
Bull. Amer. Phys. Soc. **39**(1), 696 (1994).
44. S. H. Anastasiadis, T. Jian, K. Chrissopoulou, A. N. Semenov, G. Fytas, G. Fleischer, and A. D. Vilesov  
"Interdiffusion and Composition Polydispersity in Diblock Copolymers above the Ordering Transition"  
*General Meeting 95, American Physical Society*, March 1995, San Jose, CA, U.S.A.  
Bull. Amer. Phys. Soc. **40**, 728 (1995).



45. K. Karatasos, S. H. Anastasiadis, G. Fytas, and T. Pakula  
"Computer Simulation of the Static and Dynamic Behavior of Diblock Copolymers near the Ordering Transition"  
*General Meeting 95, American Physical Society*, March 1995, San Jose, CA, U.S.A.  
Bull. Amer. Phys. Soc. **40**, 52 (1995).
46. G. Fytas, K. Karatasos, S. H. Anastasiadis, D. Vlassopoulos, G. Floudas, A. N. Semenov, S. Pispas, M. Pitsikalis, N. Hadjichristidis, H. Watanabe, and T. Pakula  
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 "Structure and Dynamics of PEO/layered Silicate Nanohybrids"  
*4<sup>th</sup> International Conference on Advanced Vibrational Spectroscopy*, June 2007, Corfu, Greece
203. K. Chrissopoulou, and S. H. Anastasiadis  
 "Polymer / Layered Silicate Nanocomposites"  
*European Polymer Congress 2007*, July 2007, Portoroz, Slovenia
204. E. Karaiskos, I. A. Bitsanis, and S. H. Anastasiadis  
 "Monte Carlo Studies of Tethered Chains"  
*4<sup>th</sup> Workshop on Nanosciences and Nanotechnologies*, July 2007, Thessaloniki, Greece
205. A. Stassinopoulos, E. D. Tsagarakis, R. N. Das, S. H. Anastasiadis, E. P. Giannelis, D. G. Papazoglou, and D. Anglos  
 "Random Laser Action in ZnO Nanohybrids"  
*4<sup>th</sup> Workshop on Nanosciences and Nanotechnologies*, July 2007, Thessaloniki, Greece
206. E. Pavlopoulou,<sup>#</sup> K. Chrissopoulou, S. H. Anastasiadis, G. Portale, H. Iatrou, S. Pispas and N. Hadjichristidis  
 "The Influence of the Macromolecular Architecture on the Micellization in Block Copolymer / Homopolymer Blends"  
*XXIII Panhellenic Conference on Solid State Physics and Materials Science*, September 2007, Athens, Greece  
*XXIII Panhellenic Conference on Solid State Physics and Materials Science Proceedings*, p. 145, 2007
207. S. Fotiadou, K. Chrissopoulou, S. H. Anastasiadis, K. Andrikopoulos, D. Christofilos, G. A. Kourouklis, and B. Frick  
 "Polymer-Inorganic Hybrids: Structure and Dynamics in Confined Geometries"  
*XXIII Panhellenic Conference on Solid State Physics and Materials Science*, September 2007, Athens, Greece  
*XXIII Panhellenic Conference on Solid State Physics and Materials Science Proceedings*, p. 173, 2007
208. I. A. Bitsanis, A. N. Rissanou, and S. H. Anastasiadis  
 "Conformational Transitions of a Model Polymeric System near Attractive Surfaces: A Monte Carlo Study"  
*International Conference of Computational Methods in Sciences and Engineering (ICCMSE 2007)*, September 2007, Corfu, Greece  
*American Inst. of Physics Proceedings* (T. E. Simos and G. Maroulis, Eds.), Vol. 963, pp. 428-431 (2007)
209. K. Chrissopoulou, and S. H. Anastasiadis  
 "Polymer / Layered Silicate Nanocomposites: Structure and Dynamics"  
*20<sup>th</sup> International Symposium on Polymer Analysis and Characterization (ISPAC 2007)*, October 2007, Agios Nikolaos, Crete, Greece

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<sup>#</sup> Based on this presentation, Ms. Pavlopoulou won the Award for Best Oral Presentation (September 2007)



210. E. Pavlopoulou, K. Chrissopoulou, S. H. Anastasiadis, G. Portale, W. Bras, H. Iatrou, S. Pispas and N. Hadjichristidis  
"The Influence of the Macromolecular Architecture on the Micellization in Block Copolymer / Homopolymer Blends"  
*II Workshop on Applications of Synchrotron Light to Non-crystalline Diffraction in Materials and Life Sciences*, October 2007, Madrid, Spain
211. S. Fotiadou, K. Chrissopoulou, S. H. Anastasiadis, K. Andrikopoulos, D. Christofilos, G. A. Kourouklis, and B. Frick  
"Investigation of the Structure and Dynamics of Polymer/Layered Silicate Nanohybrids"  
*3<sup>rd</sup> Panhellenic Symposium of Porous Materials*, November 2007, Thessaloniki, Greece
212. A. Stasinopoulos, E. D. Tsagarakis, R. N. Das, S. H. Anastasiadis, E. P. Giannelis, D. G. Papazoglou and D. Anglos  
"Random Lasing Action in ZnO Nanohybrids"  
*3<sup>rd</sup> International Conference Micro & Nano 2007*, November 2007, Athens, Greece
213. S. H. Anastasiadis, M. I. Lygeraki, K. Kaliotaki, M. Varda, E. Tsiranidou, A. Athanassiou, M. Farsari, D. Pisignano and R. Cingolani  
"Photoresponsive Polymer Surfaces"  
*3<sup>rd</sup> International Conference Micro & Nano 2007*, November 2007, Athens, Greece
214. E. Pavlopoulou, K. Chrissopoulou, S. H. Anastasiadis, G. Portale, W. Bras, H. Iatrou, S. Pispas and N. Hadjichristidis  
"The Influence of the Macromolecular Architecture on the Micellization in Block Copolymer / Homopolymer Blends"  
*General Meeting 08, American Physical Society*, March 2008, New Orleans, LA, U.S.A.  
Bull. Amer. Phys. Soc. **53**, H18.00012 (2008).
215. S. H. Anastasiadis, K. Chrissopoulou, S. Fotiadou, K. Andrikopoulos, G. A. Kourouklis, and B. Frick  
"Effects of Severe Confinement on the Structure and Dynamics in Polymer Nanocomposites"  
*General Meeting 08, American Physical Society*, March 2008, New Orleans, LA, U.S.A.  
Bull. Amer. Phys. Soc. **53**, S18.00013 (2008).
216. K. Chrissopoulou, I. Altintzi, I. Andrianaki, N. Koufaki, S. Fotiadou, S. H. Anastasiadis, and E. P. Giannelis  
"On the Miscibility of Polymer / Layered Silicate Nanocomposites"  
*General Meeting 08, American Physical Society*, March 2008, New Orleans, LA, U.S.A.  
Bull. Amer. Phys. Soc. **53**, S18.00015 (2008).
217. A. Stassinopoulos, S. H. Anastasiadis, D. G. Papazoglou, D. Anglos, E. D. Tsagarakis, R. N. Das and E. P. Giannelis  
"Random Laser Emission from ZnO Nanocomposite Hybrids"  
*General Meeting 08, American Physical Society*, March 2008, New Orleans, LA, U.S.A.  
Bull. Amer. Phys. Soc. **53**, X28.00009 (2008).
218. A. B. Bourlinos, A. Stassinopoulos, D. Anglos, S. H. Anastasiadis, R. Zboril, M. Karakassides, and E. P. Giannelis  
"Surface Functionalized Carbogenic Quantum Dots"  
*General Meeting 08, American Physical Society*, March 2008, New Orleans, LA, U.S.A.  
Bull. Amer. Phys. Soc. **53**, Y30.00007 (2008).
219. A. Stassinopoulos, E. D. Tsagarakis, R. N. Das, S. H. Anastasiadis, E. P. Giannelis, D. G. Papazoglou and D. Anglos  
"Random Laser Emission from ZnO Nanocomposite Hybrids"  
*Conference on Lasers and Electro-Optics / International Quantum Electronics Conference (CLEO/IQEC)*, May 2008, San Jose, CA, U.S.A.

220. A. Stassinopoulos, S. H. Anastasiadis, D. Anglos, D. G. Papazoglou, E. D. Tsagarakis, R. N. Das, E. P. Giannelis  
"Random Laser Emission from ZnO Nanocomposite Hybrids"  
*2008 Spring Meeting of the European Materials Research Society*, June 2008, Strasbourg, France
221. V. Zorba, E. Stratakis, M. Barberoglou, E. Spanakis, P. Tzanetakos, S. H. Anastasiadis and C. Fotakis  
"Bio-inspired, self-cleaning surfaces produced by ultrafast laser structuring of silicon"  
*2008 Spring Meeting of the European Materials Research Society*, June 2008, Strasbourg, France
222. K. Chrissopoulou, and S. H. Anastasiadis  
"Structure and Dynamics in Polymer / Layered Silicate Nanocomposites"  
*29<sup>th</sup> International Fine Particle Research Institute Annual General Meeting (IFPRI AGM 2008)*, June 2008, Hersonisos, Crete, Greece
223. K. Chrissopoulou, and S. H. Anastasiadis  
"Investigation of the Structure and Dynamics in Polymer Nanocomposites"  
*2<sup>nd</sup> International Summer School on Nanosciences and Nanotechnologies*, July 2008, Thessaloniki, Greece
224. M. Barberoglou,<sup>#</sup> V. Zorba, E. Stratakis, E. Spanakis, P. Tzanetakos, S. H. Anastasiadis and C. Fotakis  
"Fabrication and Wetting Properties of Silicon Structured Surfaces"  
*XXIV Panhellenic Conference on Solid State Physics and Materials Science*, September 2008, Heraklion Crete, Greece  
XXIV Panhellenic Conference on Solid State Physics and Materials Science Proceedings, p. 19, 2008
225. E. Pavlopoulou, S. Fotiadou, G. Portale, W. Bras, K. Chrissopoulou, and S. H. Anastasiadis  
"Crystallization Kinetics in Poly(ethylene oxide)/Layered Silicates Nanocomposites"  
*XXIV Panhellenic Conference on Solid State Physics and Materials Science*, September 2008, Heraklion Crete, Greece  
XXIII Panhellenic Conference on Solid State Physics and Materials Science Proceedings, p. 33, 2008
226. S. Fotiadou, D. Tragoudaras, I. Tanis, K. Chrissopoulou, K. Karatasos, B. Frick and S. H. Anastasiadis  
"Structure and Dynamics of Hyperbranched Polymers: A Comparison Between Experiment and Simulation"  
*XXIV Panhellenic Conference on Solid State Physics and Materials Science*, September 2008, Heraklion Crete, Greece  
XXIV Panhellenic Conference on Solid State Physics and Materials Science Proceedings, p. 61, 2008
227. V. Katsamanis, M. Vamvakaki and S. H. Anastasiadis  
"Synthesis and Characterization of Metal Nanoparticles Embedded in Block Copolymer Micelles"  
*XXIV Panhellenic Conference on Solid State Physics and Materials Science*, September 2008, Heraklion Crete, Greece  
XXIV Panhellenic Conference on Solid State Physics and Materials Science Proceedings, p. 127, 2008
228. N. Koufaki, K. Chrissopoulou, and S. H. Anastasiadis  
"On the Miscibility in Polymer / Layered Silicates Nanocomposites"  
*XXIV Panhellenic Conference on Solid State Physics and Materials Science*, September 2008, Heraklion Crete, Greece  
XXIV Panhellenic Conference on Solid State Physics and Materials Science Proceedings, p. 137, 2008

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# Based on this presentation, Mr. Barberoglou won the Award for Best Oral Presentation (September 2008)

229. K. Chrissopoulou, E. Pavlopoulou, H. Papananou, S. Fotiadou, G. Portale, W. Bras, and S. H. Anastasiadis  
"Crystallization Kinetics in Poly(ethylene oxide)/Layered Silicates Nanocomposites"  
*7th Panhellenic Polymer Conference*, September 2008, Ioannina, Greece  
7th Panhellenic Polymer Conference Proceedings, p. 74, 2008.
230. E. Pavlopoulou, V. Katsamanis, K. Christodoulakis, G. Portale, W. Bras, M. Vamvakaki and S. H. Anastasiadis  
"Impregnation of pH-Responsive Polymeric Matrices with Metal Nanoparticles"  
*7th Panhellenic Polymer Conference*, September 2008, Ioannina, Greece  
7th Panhellenic Polymer Conference Proceedings, p. 82, 2008.
231. S. Fotiadou, K. Chrissopoulou, B. Frick and S. H. Anastasiadis  
"Organic – Inorganic Nanocomposites: A study of the structure and dynamics in confined geometry"  
*7th Panhellenic Polymer Conference*, September 2008, Ioannina, Greece  
7th Panhellenic Polymer Conference Proceedings, p. 237, 2008.
232. E. Pavlopoulou, S. Fotiadou, E. Papananou, K. Chrissopoulou and S. H. Anastasiadis  
"Crystallization Kinetics in Poly(ethylene oxide) / Layered Silicates Nanocomposites"  
*General Meeting 09, American Physical Society*, March 2009, Pittsburgh, PA, U.S.A.  
Bull. Amer. Phys. Soc. **54**, P19.00015 (2009).
233. S. H. Anastasiadis, V. Zorba, E. Stratakis, M. Barberoglou, E. Spanakis, P. Tzanetakis, C. Fotakis, A. Mateescu and M. Vamvakaki  
"Biomimetic and responsive artificial surfaces that quantitatively reproduce the water repellency of a Lotus leaf"  
*General Meeting 09, American Physical Society*, March 2009, Pittsburgh, PA, U.S.A.  
Bull. Amer. Phys. Soc. **54**, Y19.00013 (2009).
234. A. Stassinopoulos, E. D. Tsagarakis, R. N. Das, E. P. Giannelis, S. H. Anastasiadis and D. Anglos  
"Laser-Like Emission From Highly Scattering ZnO Nanoparticle Films"  
*The 7th International Conference on Laser Applications, ICLA 2009*, May 2009, Cairo, Egypt.  
Proceedings of the 7<sup>th</sup> ICLA, M. Abdel Harith, Ed., *American Inst. of Physics Proceedings*, Vol. **1172**, pp. 44-48 (2009)
235. S. H. Anastasiadis, E. Stratakis, V. Zorba, M. Barberoglou, E. Spanakis, P. Tzanetakis, C. Fotakis, A. Mateescu and M. Vamvakaki  
"Development of Biomimetic Water Repellent Surfaces"  
*7th Panhellenic Chemical Engineering Scientific Conference*, June 2009, Patras, Greece  
7th Panhellenic Chemical Engineering Scientific Conference Proceedings, p. NT1.04, 2009
236. K. Chrissopoulou, E. Pavlopoulou, H. Papananou, S. Fotiadou, G. Portale, W. Bras, and S. H. Anastasiadis  
"Crystallization in Polymer / Layered Silicates Nanohybrids"  
*7th Panhellenic Chemical Engineering Scientific Conference*, June 2009, Patras, Greece  
7th Panhellenic Chemical Engineering Scientific Conference Proceedings, p. MS2.06, 2009
237. E. Pavlopoulou, G. Portale, V. Katsamanis, K. Christodoulakis, M. Vamvakaki and S. H. Anastasiadis  
"A SAXS Characterization of Complex Nanohybrid Systems: Metal Nanoparticle Incorporation within pH-Responsive Polymers"  
*Synchrotron Radiation in Polymer Science (SRPS 4)*, September 2009, Rolduc Abbey, Kerkrade, The Netherlands  
Synchrotron Radiation in Polymer Science (SRPS 4) Conference Proceedings, p. 53-54, 2009

238. E. Pavlopoulou, G. Portale, V. Katsamanis, K. Christodoulakis, M. Vamvakaki and S. H. Anastasiadis  
 "Following the Synthesis of Metal Nanoparticles within pH-Responsive Micelles and Microgels by SAXS"  
*XXV Panhellenic Conference on Solid State Physics and Materials Science*, September 2009, Thessaloniki, Greece  
*XXV Panhellenic Conference on Solid State Physics and Materials Science Proceedings*, p. 326, 2009
239. K. Chrissopoulou,<sup>#</sup> E. Pavlopoulou, H. Papananou, S. Fotiadou, G. Portale, W. Bras, and S. H. Anastasiadis  
 "Effect of Inorganic Additive on the Chain Crystallization in Polymer / Layered Silicate Nanohybrids"  
*XXV Panhellenic Conference on Solid State Physics and Materials Science*, September 2009, Thessaloniki, Greece  
*XXV Panhellenic Conference on Solid State Physics and Materials Science Proceedings*, p. 260, 2009
240. M. Barberoglou, A. Ranella, E. Spanakis, V. Zorba, S. H. Anastasiadis, C. Fotakis, E. Stratakis  
 "Tuning cell adhesion via controlling the roughness and wettability of 3D micro/nano silicon structures"  
*10<sup>th</sup> International Conference on Laser Ablation, COLA 2009*, November 2009, Singapore, Republic of Singapore
241. E. Pavlopoulou, K. Chrissopoulou, S. H. Anastasiadis, H. Iatrou, N. Hadjichristidis, G. Portale W. Bras  
 "Concentration and Temperature Effects on the Micellization of Block Copolymers in a Homopolymer Matrix"  
*General Meeting 10, American Physical Society*, March 2010, Portland, OR, U.S.A.  
*Bull. Amer. Phys. Soc.* **55**, A19.00008 (2010).
242. S. H. Anastasiadis, E. Pavlopoulou, M. Vamvakaki, K. E. Christodoulakis, G. Portale and W. Bras  
 "A SAXS study of the impregnation of pH-responsive polymeric microgels with metal nanoparticles"  
*General Meeting 10, American Physical Society*, March 2010, Portland, OR, U.S.A.  
*Bull. Amer. Phys. Soc.* **55**, V19.00002 (2010).
243. L. Nikoshvili, V. Matveeva, E. Sulman, S. Anastasiadis, M. Vamvakaki, I. Tsvetkova, L. Bronstein  
 "Surface characteristics of polymer solutions as one of the aspects to understanding the polymer-containing catalyst synthesis and behaviour"  
*XIV<sup>th</sup> International Conference "Surface Forces"*, June 2010, Aboard the ship "Alexander Benua" traveling from Moscow to St. Petersburg, Russia
244. K. Chrissopoulou, A. Afratis, S. Fotiadou, B. Frick and S. H. Anastasiadis  
 "Confinement Effects on the Structure and Dynamics in Intercalated Polymer / Layered Silicates Nanohybrids"  
*5<sup>th</sup> International Conference on Times of Polymers (TOP) and Composites*, June 2010, Ischia, Italy  
*American Inst. of Physics Proceedings (A. D'Amore, D. Acierno and L. Grassia, Eds.)*, Vol. 1255, pp. 79-81 (2010)
245. K. Andrikopoulos, K. Chrissopoulou, S. Bollas, S. Fotiadou, G. Voyiatzis and S. H. Anastasiadis  
 "On the Crystallinity and Chain Conformations in PEO / Layered Silicate Nanocomposites"  
*8<sup>th</sup> Panhellenic Polymer Conference on Polymer Science and Technology honoring Professor Nikos Hadjichristidis*, October 2010, Heraklion Crete, Greece
246. K. Chrissopoulou, E. Papananou, E. Pavlopoulou, G. Portale W. Bras and S. H. Anastasiadis  
 "Crystallization Kinetics in Polymer / Layered Silicate Nanocomposites"  
*8<sup>th</sup> Panhellenic Polymer Conference on Polymer Science and Technology honoring Professor Nikos Hadjichristidis*, October 2010, Heraklion Crete, Greece

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<sup>#</sup> Based on this presentation, Dr. Chrissopoulou won the Award for Best Oral Presentation (September 2009)

247. A. Mateescu, E. Stratakis, M. Barberoglou, C. Fotakis, M. Vamvakaki, and S. H. Anastasiadis  
"Stimuli Responsive Polymer Brushes as Smart Coatings: From Superhydrophobic to Superhydrophilic Surfaces"  
*8th Panhellenic Polymer Conference on Polymer Science and Technology honoring Professor Nikos Hadjichristidis*, October 2010, Heraklion Crete, Greece
248. A. Rissanou, S. H. Anastasiadis and I. A. Bitsanis  
"A Monte Carlo Study of the Coil-to-Globule Transition of Model Polymer Chains in Bulk and Near an Attractive Surface"  
*8th Panhellenic Polymer Conference on Polymer Science and Technology honoring Professor Nikos Hadjichristidis*, October 2010, Heraklion Crete, Greece
249. S. H. Anastasiadis, K. Chrissopoulou, S. Bolas, K. Andrikopoulos, S. Fotiadou, D. Christofilos and G. A. Voyiatzis  
"On the Crystallinity and Chain Conformation in PEO / Layered Silicate Nanocomposites"  
*General Meeting 11, American Physical Society*, March 2011, Dallas, TX, U.S.A.  
Bull. Amer. Phys. Soc. **56**, L42.00007 (2011).
250. E. Stratakis, M. Barberoglou, A. Ranella, E. L. Papadopoulou, A. Mateescu, M. Kasotakis, D. S. Achilleos, M. Vamvakaki, A. Mitraki, S. H. Anastasiadis, A. G. Coutsolelos and C. Fotakis  
"Biomimetic micro/nano textured materials with special responsive properties"  
*2011 Spring Meeting of the European Materials Research Society*, May 2011, Strasbourg, France
251. E. Stratakis, M. Barberoglou, A. Ranella, E. L. Papadopoulou, A. Mateescu, M. Kasotakis, D. S. Achilleos, M. Vamvakaki, A. Mitraki, S. H. Anastasiadis, A. G. Coutsolelos and C. Fotakis  
"Applications of femtosecond laser micro/nano processed surfaces"  
*2011 Spring Meeting of the European Materials Research Society*, May 2011, Strasbourg, France
252. K. Chrissopoulou, S. Fotiadou, S. Bolas, S. H. Anastasiadis, K. Andrikopoulos and G. A. Voyiatzis  
"On the Crystallinity and Chain Conformation in Polymer PEO / Inorganoc Nanocomposites"  
*8th Panhellenic Chemical Engineering Scientific Conference*, June 2011, Thessaloniki, Greece  
*8th Panhellenic Chemical Engineering Scientific Conference Proceedings*, p. XXX, 2011
253. H. Papananou, S. Fotiadou, K. Chrissopoulou, and S. H. Anastasiadis  
"Crystallinity and Crystallization Kinetics in Poly(ethylene oxide) / Layered Silicate Nanocomposites"  
*Nanocomposite 2011. Multiphase Polymers and Polymer Composites: From Nanoscale to Macro Composites*, June 2011, Paris, France
254. H. Papananou, E. Pavlopoulou, K. Chrissopoulou, G. Portale, W. Bras, and S. H. Anastasiadis  
"Crystallization Kinetics in Polymer / Layered Silicate Nanocomposites"  
*3rd International Conference from Nanoparticles and Nanomaterials to Nanodevices and Nanosystems (IC4N)*, June 2011, Heraklion Crete, Greece
255. M. Stylianakis, G. Spyropoulos, E. Stratakis, E. Koudoumas, S. Anastasiadis and E. Kymakis  
"Expandable Graphene linked with Small Molecule as Electron Acceptor"  
*3rd International Conference from Nanoparticles and Nanomaterials to Nanodevices and Nanosystems (IC4N)*, June 2011, Heraklion Crete, Greece
256. K. Chrissopoulou, K. Andrikopoulos, S. Bolas, S. Fotiadou, G. A. Voyiatzis, and S. H. Anastasiadis  
"Crystallinity and Chain Conformations in Polymer / Layered Silicate Nanohybrids"  
*European Polymer Congress 2011, European Polymer Federation*, June 2011, Granada, Spain
257. S. Fotiadou, K. Chrissopoulou, B. Frick and S.H. Anastasiadis  
"Structure and Dynamics in Hyperbranched Nanohybrids"  
*8th Workshop on Nanosciences and Nanotechnologies*, July 2011, Thessaloniki, Greece

258. A. Kiersnowski, G. Kircher, K. Chrissopoulou, J. Pięłowski and S. H. Anastasiadis  
"Formation and phase behavior of PVDF/MMT-g-PMMA ternary nanocomposites"  
Polymers for Advanced Technology Conference (PAT 2011), October 2011, Lodz, Poland
259. K. Chrissopoulou, S. Fotiadou and S. H. Anastasiadis  
"Structure and dynamics in hyperbranched nanohybrids"  
*General Meeting 12, American Physical Society*, February 2012, Boston, MA, U.S.A.  
Bull. Amer. Phys. Soc. **57**, J44.00010 (2012).
260. S. H. Anastasiadis, K. Chrissopoulou, S. Bollas, K. Andrikopoulos, S. Fotiadou, and G. A. Voyiatzis  
"Chain conformation and crystallization in PEO / layered silicate nanocomposites"  
*General Meeting 12, American Physical Society*, February 2012, Boston, MA, U.S.A.  
Bull. Amer. Phys. Soc. **57**, J49.00009 (2012).
261. M. Kaliva, E. Pavlopoulou, K. Christodoulakis, M. Vamvakaki and S. H. Anastasiadis  
"The synthesis of metal nanoparticulate catalysts within functional microgel particles"  
*General Meeting 12, American Physical Society*, February 2012, Boston, MA, U.S.A.  
Bull. Amer. Phys. Soc. **57**, V44.00001 (2012).
262. M. M. Stylianakis, E. Stratakis, E. Koudoumas, S. H. Anastasiadis and E. Kymakis  
"Solution-processed graphene content as electron acceptor in organic photovoltaics"  
*E-MRS Spring Meeting*, May 2012, Strasbourg, France
263. A. Kiersnowski, M. Gazińska, K. Kolman, G. Kircher, M. Mezger, B. Hou, M. Paulus, K. Chrissopoulou, and S. H. Anastasiadis  
"An effect of surface properties and aspect ratio of organosmectites on crystallization and orientational structure of PVDF nanocomposites"  
*World Polymer Congress MACRO 2012, 44<sup>th</sup> IUPAC International Symposium on Macromolecules*, June 2012, Blacksburg, VA, U.S.A.
264. K. Chrissopoulou, H. Papananou and S. H. Anastasiadis  
"Crystallization Kinetics in Polymer / Layered Silicate Nanocomposites"  
*9<sup>th</sup> Workshop on Nanosciences and Nanotechnologies*, July 2012, Thessaloniki, Greece
265. M. M. Stylianakis, G. D. Spyropoulos, E. Stratakis, E. Koudoumas, S. H. Anastasiadis and E. Kymakis  
"Synthesis of Solution Processable Graphene Derivatives as Electron Acceptors in Organic Photovoltaic Applications"  
*GraphHEL - A European Conference/Workshop on the Synthesis, Characterization and Applications of Graphene*, September 2012, Mykonos, Greece
266. M. A. Frysalis,<sup>#</sup> M. Kaliva, L. Papoutsakis, M. Vambakaki and S. H. Anastasiadis  
"Immobilization of Polymer Microgels Containing Metal Nanocatalysts onto Inorganic Surfaces"  
*"Metal Nanoparticles for Advanced Materials: From Theory to Practice"*, NanoTP Symposium, October 2012, Heraklion Crete, Greece
267. K. Chrissopoulou, H. Papananou and S. H. Anastasiadis  
"Effect of Inorganic Surfaces on Polymer Crystallization Kinetics"  
*5<sup>th</sup> International Conference Micro & Nano 2012*, October 2012, Kokkini Hani, Heraklion Crete, Greece
268. H. Papananou, K. Chrissopoulou, P. Krassa and S. H. Anastasiadis  
"Synthesis and characterization of polymeric core-shell nanoparticles"  
*5<sup>th</sup> International Conference Micro & Nano 2012*, October 2012, Kokkini Hani, Heraklion Crete, Greece

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<sup>#</sup> Based on this presentation, Ms. Frysalis won the Award for Best Poster Presentation (October 2012)

269. M. A. Frysalis, M. Kaliva, L. Papoutsakis, M. Vambakaki and S. H. Anastasiadis  
"The Synthesis of Metal Nanoparticulate Catalysts within Functional Microgel Particles and their Immobilization onto Inorganic Reactor Surfaces"  
*5<sup>th</sup> International Conference Micro & Nano 2012*, October 2012, Kokkini Hani, Heraklion Crete, Greece
270. K. Androulaki, K. Chrissopoulou, M. Labardi, D. Prevosto and S. H. Anastasiadis  
"Structure and dynamics in hyperbranched polymer / layered silicate nanocomposites"  
*5<sup>th</sup> International Conference Micro & Nano 2012*, October 2012, Kokkini Hani, Heraklion Crete, Greece
271. S. Bollas, K. Chrissopoulou, K. S. Andrikopoulos, S. Fotiadou, G. A. Voyiatzis and S. H. Anastasiadis  
"On the Crystallinity and Chain Conformation in PEO / Layered Silicate Nanocomposites"  
*5<sup>th</sup> International Conference Micro & Nano 2012*, October 2012, Kokkini Hani, Heraklion Crete, Greece
272. M. A. Frysalis, L. Papoutsakis, M. Kaliva, M. Vamvakaki and S. H. Anastasiadis  
"Nanocatalyst-containing Polymeric Carriers onto Solid Surfaces"  
*9<sup>th</sup> Panhellenic Polymer Conference on Polymer Science and Technology*, November 2012, Thessaloniki, Greece
273. K. Androulaki, K. Chrissopoulou, M. Labardi, D. Prevosto and S. H. Anastasiadis  
"Hyperbranched Polymer Nanohybrids: Structure and Dynamics"  
*9<sup>th</sup> Panhellenic Polymer Conference on Polymer Science and Technology*, November 2012, Thessaloniki, Greece
274. H. Papananou, K. Chrissopoulou and S. H. Anastasiadis  
"Crystallization Behavior of PEO/Layered Silicate and PEO/Silica Nanocomposites"  
*9<sup>th</sup> Panhellenic Polymer Conference on Polymer Science and Technology*, November 2012, Thessaloniki, Greece
275. H. Papananou, K. Chrissopoulou, A. Kostakou, P. Krassa and S. H. Anastasiadis  
"Synthesis and Characterization of Polymeric Core-Shell Nanoparticles for Environmentally Friendly Coating Applications"  
*9<sup>th</sup> Panhellenic Polymer Conference on Polymer Science and Technology*, November 2012, Thessaloniki, Greece
276. K. Chrissopoulou, S. Fotiadou, I. Tanis, D. Tragoudaras, K. Karatasos, B. Frick and S. H. Anastasiadis  
"Dynamics of Hyperbranched Polymers in the Bulk and under Confinement"  
*9<sup>th</sup> Panhellenic Polymer Conference on Polymer Science and Technology*, November 2012, Thessaloniki, Greece
277. M. Kaliva, Ch. Flouraki, S.H. Anastasiadis and M. Vamvakaki  
"pH-responsive Microgels as Nanoreactors for the Synthesis of Catalytically Active Nanoparticles"  
*9<sup>th</sup> Panhellenic Polymer Conference on Polymer Science and Technology*, November 2012, Thessaloniki, Greece
278. F. K. Krasanakis, K. E. Christodoulakis, E. Pavlopoulou, S. H. Anastasiadis and M. Vamvakaki  
"Formation of Metal Nanoparticles in Polyampholyte Microgels"  
*9<sup>th</sup> Panhellenic Polymer Conference on Polymer Science and Technology*, November 2012, Thessaloniki, Greece
279. L. Papoutsakis, M. A. Frysalis, M. Kaliva, M. Vambakaki and S. H. Anastasiadis  
"Immobilization of polymer microgels containing metal nanocatalysts onto inorganic surfaces"  
*General Meeting 13, American Physical Society*, March 2013, Baltimore, MD, U.S.A.  
*Bull. Amer. Phys. Soc.* **58**, C30.00001 (2013).

280. S. H. Anastasiadis, K. Chrissopoulou, K. Karatasos, S. Fotiadou, C. Karageorgaki, I. Tanis, D. Tragoudaras, and B. Frick  
"Structure and dynamics of hyperbranched polymers in bulk and under nanoscopic confinement"  
*General Meeting 13, American Physical Society*, March 2013, Baltimore, MD, U.S.A.  
Bull. Amer. Phys. Soc. **58**, J31.00005 (2013).
281. K. Androulaki, K. Chrissopoulou, M. Labardi, D. Prevosto and S. H. Anastasiadis  
"Structure and Dynamics of Hyperbranched Polymers / Layered Silicate Nanocomposites"  
*European Polymer Congress 2013, European Polymer Federation*, June 2013, Pisa, Italy
282. K. Chrissopoulou, S. Fotiadou, I. Tanis, K. Karatasos, B. Frick and S. H. Anastasiadis  
"Dynamics of Dendritic Polymers in the Bulk and under Confinement"  
*European Polymer Congress 2013, European Polymer Federation*, June 2013, Pisa, Italy
283. M. A. Frysalis, L. Papoutsakis, M. Kaliva, M. Vamvakaki and S. H. Anastasiadis  
"Polymer Microgels containing metal nanocatalysts immobilized onto inorganic surfaces"  
*2<sup>nd</sup> International Summer School on Catalysis for Sustainability*, June 2013, Rolduc, Kerkrade, The Netherlands.
284. K. Chrissopoulou, K. Androulaki, D. Prevosto, M. Labardi and S. H. Anastasiadis  
"Dynamics of hyperbranched polymers in the bulk and under confinement"  
*10<sup>th</sup> Workshop on Nanosciences and Nanotechnologies*, July 2013, Thessaloniki, Greece
285. H. Papananou, K. Chrissopoulou, D. Prevosto, M. Labardi and S. H. Anastasiadis  
"Dynamics of Poly(ethylene oxide) in the bulk and in close proximity to silica nanoparticle surfaces"  
"Nanoparticle-polymer composites" *Topical Meeting 2013*, Final meeting of COST Action MP0902, October 2013, Heraklion Crete, Greece
286. K. Androulaki, K. Chrissopoulou, D. Prevosto, M. Labardi and S. H. Anastasiadis  
"Effect of polymer / clay interactions on the dynamics of hyperbranched polymers; functional group dependence"  
"Nanoparticle-polymer composites" *Topical Meeting 2013*, Final meeting of COST Action MP0902, October 2013, Heraklion Crete, Greece
287. K. Chrissopoulou, K. Androulaki, D. Prevosto, M. Labardi and S. H. Anastasiadis  
"Dynamics of Hyperbranched Polymers in the Bulk and under Confinement: Effect of Dendritic Generation"  
*General Meeting 14, American Physical Society*, March 2014, Denver, CO, U.S.A.  
Bull. Amer. Phys. Soc. **59**, W22.00004 (2014).
288. K. Chrissopoulou, S. Fotiadou, K. Androulaki, I. Tanis, K. Karatasos, D. Prevosto, M. Labardi, B. Frick and S. H. Anastasiadis  
"Dynamics of Hyperbranched Polymers in the Bulk and Under Confinement"  
*QENS/WINS 2014*, May 2014, Autrans, France
289. K. Chrissopoulou, H. Papananou and S. H. Anastasiadis  
"Polymer Structure and Dynamics in the Proximity of Different Inorganic Nanoadditives"  
*E-MRS 2014 Spring Meeting*, May 2014, Lille, France
290. K. Chrissopoulou, S. Fotiadou, K. Androulaki, I. Tanis, K. Karatasos, D. Prevosto, M. Labardi, B. Frick and S. H. Anastasiadis  
"Dynamics of Dendritic Polymers in the Bulk and Under Confinement"  
*7th International Conference on Times of Polymers (TOP) and Composites*, June 2014, Ischia, Italy
291. E. Stratakis, I. Paradissanos, A. Loufardaki, M. Vamvakaki, S. H. Anastasiadis and C. Fotakis  
"Multifunctional and responsive surfaces based on fs laser micro/nano structuring of Silicon"  
*10th International Conference on Diffusion in Solids and Liquids DSL 2014*, June 2014, Paris, France



292. K. Chrissopoulou, H. Papanau and S. H. Anastasiadis  
"Influence of different additives on Polymer Morphology and Dynamics"  
*11<sup>th</sup> Workshop on Nanosciences and Nanotechnologies*, July 2014, Thessaloniki, Greece
293. S. H. Anastasiadis, M. A. Frysalis, L. Papoutsakis, M. Kaliva and M. Vamvakaki  
"Immobilization of polymer microgels containing metal nanocatalysts onto inorganic surfaces"  
*248th National Meeting, American Chemical Society*, August 2014, San Francisco, CA, U.S.A.
294. M. A. Frysalis, L. Papoutsakis, G. Kenanakis, E. Stratakis and S. H. Anastasiadis  
"Polymeric surfaces with controlled wettability exhibiting unidirectional features"  
*XXX Panhellenic Conference on Solid State Physics and Materials Science*, September 2014, Heraklion Crete, Greece
295. M. A. Frysalis, C. Orfanou, M. Kaliva, L. Papoutsakis, M. Vamvakaki and S. H. Anastasiadis  
"Immobilization of nanocatalysts-containing polymeric carriers onto solid surfaces"  
*XXX Panhellenic Conference on Solid State Physics and Materials Science*, September 2014, Heraklion Crete, Greece
296. F.K. Krasanakis, S. H. Anastasiadis and M. Vamvakaki  
"pH-responsive hollow polymeric capsules"  
*XXX Panhellenic Conference on Solid State Physics and Materials Science*, September 2014, Heraklion Crete, Greece
297. M. Kaliva, C. Orfanou, S. H. Anastasiadis and M. Vamvakaki  
"Controlled synthesis of active metal nanocatalysts within pH-responsive microgel particles"  
*XXX Panhellenic Conference on Solid State Physics and Materials Science*, September 2014, Heraklion Crete, Greece
298. T. Manouras, E. Koufakis, S. H. Anastasiadis and M. Vamvakaki  
"Synthesis and characterization of diblock copolymers containing antifouling and self-polishing groups"  
*XXX Panhellenic Conference on Solid State Physics and Materials Science*, September 2014, Heraklion Crete, Greece
299. E. Koufakis, T. Manouras, S. H. Anastasiadis and M. Vamvakaki  
"Novel polymer brushes for antifouling surfaces"  
*XXX Panhellenic Conference on Solid State Physics and Materials Science*, September 2014, Heraklion Crete, Greece
300. V. S. Petrakis, A. N. Rissanou, V. Harmandaris, K. Chrisopoulou and S. H. Anastasiadis  
"Atomistic Molecular Dynamics simulation study of a hybrid Poly (ethylene oxide) / Silica nanoparticle system"  
*XXX Panhellenic Conference on Solid State Physics and Materials Science*, September 2014, Heraklion Crete, Greece
301. A. N. Rissanou, D. Tzeli, S. H. Anastasiadis and I. A. Bitsanis  
"Collapse transitions in thermosensitive multi-block copolymers: A Monte Carlo study"  
*XXX Panhellenic Conference on Solid State Physics and Materials Science*, September 2014, Heraklion Crete, Greece
302. K. Androulaki, K. Chrissopoulou, S. H. Anastasiadis, M. Labardi and D. Prevosto  
"Dynamics of Hyperbranched polymers in the bulk and close to surfaces"  
*XXX Panhellenic Conference on Solid State Physics and Materials Science*, September 2014, Heraklion Crete, Greece

303. H. Papananou, K. Chrissopoulou, S. H. Anastasiadis, K. S. Andrikopoulos, G. A. Voyiatzis, A. Avgeropoulos, M. Labardi and D. Prevosto  
"PEO crystallization and dynamics close to SiO<sub>2</sub> surfaces"  
*XXX Panhellenic Conference on Solid State Physics and Materials Science*, September 2014, Heraklion Crete, Greece
304. N. Vasilakis, K. C. Vasilopoulos, L. Syggelou, K. Chrissopoulou and S. H. Anastasiadis  
"Influencing the interactions on poly(ethylene oxide) / graphite oxide nanocomposites"  
*XXX Panhellenic Conference on Solid State Physics and Materials Science*, September 2014, Heraklion Crete, Greece
305. H. Papananou, K. Chrissopoulou, S. H. Anastasiadis, K. S. Andrikopoulos, G. A. Voyiatzis and A. Avgeropoulos  
"PEO /silica nanocomposites: effect of confinement on polymer crystallization and chain conformation"  
*10<sup>th</sup> Panhellenic Polymer Conference on Polymer Science and Technology*, December 2014, Patras, Greece
306. K. Chrissopoulou and S. H. Anastasiadis  
"Polymer Dynamics Under Confinement"  
*10<sup>th</sup> Panhellenic Polymer Conference on Polymer Science and Technology*, December 2014, Patras, Greece
307. K. Androulaki, K. Chrissopoulou, D. Prevosto, M. Labardi and S. H. Anastasiadis  
"Structure and Dynamics of Hyperbranched Polymers and Nanohybrids"  
*10<sup>th</sup> Panhellenic Polymer Conference on Polymer Science and Technology*, December 2014, Patras, Greece
308. G. Kaklamani, James Bowen, David Cheneler and S. H. Anastasiadis  
"Biopolymeric Hydrogels for Skin Tissue Engineering and Biosensing"  
*10<sup>th</sup> Panhellenic Polymer Conference on Polymer Science and Technology*, December 2014, Patras, Greece
309. E. I. Koufakis, T. Manouras, S. H. Anastasiadis and M. Vamvakaki  
"Antifouling surfaces based on quaternized pdmaema brushes via atom transfer radical polymerization"  
*10<sup>th</sup> Panhellenic Polymer Conference on Polymer Science and Technology*, December 2014, Patras, Greece
310. T. Manouras, E. I. Koufakis, S. H. Anastasiadis and M. Vamvakaki  
"Functional block copolymers for antifouling surfaces"  
*10<sup>th</sup> Panhellenic Polymer Conference on Polymer Science and Technology*, December 2014, Patras, Greece
311. V. S. Petrakis, A.N. Rissanou, V. Harmandaris, K. Chrissopoulou and S. H. Anastasiadis  
"Atomistic molecular dynamics simulation study of a hybrid poly (ethylene oxide) / silica nanoparticle system"  
*10<sup>th</sup> Panhellenic Polymer Conference on Polymer Science and Technology*, December 2014, Patras, Greece
312. D. S. Tzeli, A.N. Rissanou, S. H. Anastasiadis and I. A. Bitsanis  
"Conformational transitions of linear multiblock copolymer chains"  
*10<sup>th</sup> Panhellenic Polymer Conference on Polymer Science and Technology*, December 2014, Patras, Greece

313. S. Bollas, K. Chrissopoulou, K. S. Andrikopoulos, G. A. Voyiatzis, A. Avgeropoulos and S. H. Anastasiadis  
"Crystallinity and chain conformation in PEO/Na<sup>+</sup>-MMT nanohybrids: Effect of polymer architecture"  
*10<sup>th</sup> Panhellenic Polymer Conference on Polymer Science and Technology*, December 2014, Patras, Greece
314. N. Vasilakis, K. C. Vasilopoulos, L. Syggelou, K. Chrissopoulou and S. H. Anastasiadis  
"Poly(ethylene-oxide) / graphite oxide nanocomposites: Effect of the degree of oxidation"  
*10<sup>th</sup> Panhellenic Polymer Conference on Polymer Science and Technology*, December 2014, Patras, Greece
315. M. A. Frysalı, L. Papoutsakis, G. Kenanakis, and S. H. Anastasiadis  
"Combined photo-active and controllably wetted rough polymeric surfaces"  
*10<sup>th</sup> Panhellenic Polymer Conference on Polymer Science and Technology*, December 2014, Patras, Greece
316. F. K. Krasanakis, S. H. Anastasiadis and M. Vamvakaki  
"Stimuli-responsive polymeric capsules"  
*10<sup>th</sup> Panhellenic Polymer Conference on Polymer Science and Technology*, December 2014, Patras, Greece
317. S. H. Anastasiadis, M. A. Frysalı, L. Papoutsakis, G. Kenanakis, E. Stratakis, M. Vamvakaki, G. Mountrichas and S. Pispas  
"Polymeric surfaces exhibiting photocatalytic activity and controlled anisotropic wettability"  
*General Meeting 15, American Physical Society*, March 2015, San Antonio, TX, U.S.A.  
Bull. Amer. Phys. Soc. **60**, F42.00011 (2015).
318. K. Androulaki, K. Chrissopoulou, S. H. Anastasiadis, D. Prevosto and M. Labardi  
"Dynamics of hyperbranched polymers under confinement"  
*General Meeting 15, American Physical Society*, March 2015, San Antonio, TX, U.S.A.  
Bull. Amer. Phys. Soc. **60**, T43.00006 (2015).
319. K. Chrissopoulou, H. Papananou, S. H. Anastasiadis, K. S. Andrikopoulos and G. A. Voyiatzis  
"Polymer morphology and crystallinity close to inorganic surfaces"  
*General Meeting 15, American Physical Society*, March 2015, San Antonio, TX, U.S.A.  
Bull. Amer. Phys. Soc. **60**, W41.00011 (2015).
320. D. Prevosto, M. Labardi, J. Barsotti, K. Androulaki, K. Chrissopoulou and S. H. Anastasiadis  
"Hyperbranched polymer under confinement: an insight by conventional and spatially resolved dielectric investigation"  
*XIV International Workshop on Complex Systems*, March 2015, Fai della Paganella, Trento, Italy
321. M. A. Frysalı, L. Papoutsakis, G. Kenanakis, E. Stratakis and S. H. Anastasiadis  
"Polymeric surfaces exhibiting photocatalytic activity and controlled wettability"  
*Smart and Green Interfaces Conference – 2015*, March 2015, Belgrade, Serbia
322. D. Prevosto, M. Labardi, J. Barsotti, K. Androulaki, K. Chrissopoulou and S. H. Anastasiadis  
"Hyperbranched polymer nanocomposites: a dielectric investigation in the nanoscale"  
*COST MP1202 (HINT) Annual Meeting on Nanostructured Hybrid Materials II: reinforced 3D structures, smart composites, self-healing*, April 2015, Heraklion Crete, Greece
323. M. A. Frysalı, M. Kaliva, L. Papoutsakis, M. Vamvakaki, A. Taubert and S. H. Anastasiadis  
"Efficient heterogeneous catalysis and surface anchoring of polymeric carriers containing metal nanoparticles"  
*COST MP1202 (HINT) Annual Meeting on Nanostructured Hybrid Materials II: reinforced 3D structures, smart composites, self-healing*, April 2015, Heraklion Crete, Greece

324. L. Papoutsakis, M. A. Frysalis, G. Kenanakis, E. Stratakis and S. H. Anastasiadis  
"Combined organic/inorganic surfaces exhibiting photocatalytic activity and controlled wettability"  
*COST MP1202 (HINT) Annual Meeting on Nanostructured Hybrid Materials II: reinforced 3D structures, smart composites, self-healing*, April 2015, Heraklion Crete, Greece
325. S. Bollas, K. Chrissopoulou, K. S. Andrikopoulos, G. A. Voyiatzis, A. Avgeropoulos and S. H. Anastasiadis  
"Nanohybrids of PEO stars and Na<sup>+</sup>-MMT: Crystallinity and Chain Conformation"  
*COST MP1202 (HINT) Annual Meeting on Nanostructured Hybrid Materials II: reinforced 3D structures, smart composites, self-healing*, April 2015, Heraklion Crete, Greece
326. H. Papananou, K. Chrissopoulou, K. S. Andrikopoulos, G. A. Voyiatzis, and S. H. Anastasiadis  
"Effect of inorganic filler on poly(ethylene oxide) crystallization"  
*COST MP1202 (HINT) Annual Meeting on Nanostructured Hybrid Materials II: reinforced 3D structures, smart composites, self-healing*, April 2015, Heraklion Crete, Greece
327. K. Androulaki, K. Chrissopoulou and S. H. Anastasiadis  
"Hyperbranched Polymer Nanohybrids"  
*COST MP1202 (HINT) Annual Meeting on Nanostructured Hybrid Materials II: reinforced 3D structures, smart composites, self-healing*, April 2015, Heraklion Crete, Greece
328. N. Vasilakis, K. Chrissopoulou and S. H. Anastasiadis  
"Poly(ethylene oxide) / Graphite Oxide Nanocomposites"  
*COST MP1202 (HINT) Annual Meeting on Nanostructured Hybrid Materials II: reinforced 3D structures, smart composites, self-healing*, April 2015, Heraklion Crete, Greece
329. V. S. Petrakis, A. J. Power, A. N. Rissanou, V. Harmandaris, K. Chrissopoulou and S. H. Anastasiadis  
"Atomistic Molecular Dynamics Simulations on Hybrid Nanocomposite Systems with Inorganic Compounds in Polymeric Matrix"  
*COST MP1202 (HINT) Annual Meeting on Nanostructured Hybrid Materials II: reinforced 3D structures, smart composites, self-healing*, April 2015, Heraklion Crete, Greece
330. F. K. Krasanakis, K. E. Christodoulakis, E. Pavlopoulou, S. H. Anastasiadis and M. Vamvakaki  
"Formation of metal nanoparticles in core-shell microgels"  
*COST MP1202 (HINT) Annual Meeting on Nanostructured Hybrid Materials II: reinforced 3D structures, smart composites, self-healing*, April 2015, Heraklion Crete, Greece
331. S. H. Anastasiadis, K. Androulaki, K. Chrissopoulou, D. Prevosto and M. Labardi  
"Dynamics of Hyperbranched Polymers under Confinement"  
*Eurofillers Polymer Blends 2015*, April 2015, Montpellier, France
332. K. Chrissopoulou, H. Papananou K. Androulaki and S. H. Anastasiadis  
"Polymer structure and dynamics under confinement"  
*10<sup>th</sup> Panhellenic Chemical Engineering Scientific Conference*, June 2015, Patras, Greece
333. M. A. Frysalis, M. Kaliva, L. Papoutsakis, M. Vamvakaki and S. H. Anastasiadis  
"Catalytic activity and surface anchoring of polymeric carriers containing metal nanocatalysts"  
*10<sup>th</sup> Panhellenic Chemical Engineering Scientific Conference*, June 2015, Patras, Greece
334. M. A. Frysalis, L. Papoutsakis, G. Kenanakis, and S. H. Anastasiadis  
"Photo-active inorganic films in combination with controllably wetted rough polymeric surfaces"  
*10<sup>th</sup> Panhellenic Chemical Engineering Scientific Conference*, June 2015, Patras, Greece
335. S. H. Anastasiadis, T. Manouras, E. Koufakis and M. Vamvakaki  
"Biocidal and self-polishing surfaces based on hydrolyzable block copolymers"  
*European Polymer Congress 2015, European Polymer Federation*, June 2015, Dresden, Germany

336. K. Chrissopoulou, H. Papananou, K. S. Andrikopoulos, G. A. Voyiatzis, D. Prevosto, M. Labardi and S. H. Anastasiadis  
"Polymer Structure and Dynamics Close to Inorganic Surfaces"  
*European Polymer Congress 2015, European Polymer Federation*, June 2015, Dresden, Germany
337. L. Papoutsakis, M. A. Frysalis, E. Stratakis, M. Vamvakaki, S. Pispas and S. H. Anastasiadis  
"Polymeric surfaces on anisotropic substrates exhibiting controlled wettability"  
*European Polymer Congress 2015, European Polymer Federation*, June 2015, Dresden, Germany
338. H. Papananou, K. Chrissopoulou, K. S. Andrikopoulos, G. A. Voyiatzis and S. H. Anastasiadis  
"PEO crystallization and chain conformation close to SiO<sub>2</sub> surfaces"  
*International Workshop on Structure and Dynamics of Polymer Nanocomposites*, June 2015, Montpellier, France
339. K. Chrissopoulou, H. Papananou, K. S. Andrikopoulos, G. A. Voyiatzis, M. Labardi, D. Prevosto and S. H. Anastasiadis  
"Effect of SiO<sub>2</sub> Nanoparticles on the Morphology and Dynamics of Poly(ethylene oxide) Polymer Chains"  
*12<sup>th</sup> Workshop on Nanosciences and Nanotechnologies*, July 2015, Thessaloniki, Greece
340. M. Vamvakaki, T. Manouras, E. Koufakis and S. H. Anastasiadis  
"Biocidal block copolymers for self-polishing coating applications"  
*12<sup>th</sup> Workshop on Nanosciences and Nanotechnologies*, July 2015, Thessaloniki, Greece
341. T. Manouras, K. Chrissopoulou, E. Koufakis, S. H. Anastasiadis and M. Vamvakaki  
"Quaternization induced microphase separation in biocidal block copolymer thin films"  
*12<sup>th</sup> Workshop on Nanosciences and Nanotechnologies*, July 2015, Thessaloniki, Greece
342. E. Koufakis, T. Manouras, S. H. Anastasiadis and M. Vamvakaki  
"Well-defined Quaternized PDMAEMA Brushes as Biocidal Surfaces"  
*12<sup>th</sup> Workshop on Nanosciences and Nanotechnologies*, July 2015, Thessaloniki, Greece
343. M. A. Frysalis, L. Papoutsakis, G. Kenanakis, E. Stratakis, G. Mountrichas, S. Pispas and S. H. Anastasiadis  
"Controllably Wetted Rough Polymeric Surfaces exhibiting photocatalytic activity"  
*12<sup>th</sup> Workshop on Nanosciences and Nanotechnologies*, July 2015, Thessaloniki, Greece
344. A. N. Rissanou, D. S. Tzeli, S. H. Anastasiadis and I. A. Bitsanis  
"Collapse transitions in thermosensitive multi-block copolymers: A Monte Carlo study"  
*12<sup>th</sup> Workshop on Nanosciences and Nanotechnologies*, July 2015, Thessaloniki, Greece
345. G. Kaklamani, A. Woloszyk, T.A. Mitsiadis and S. H. Anastasiadis  
"Alginate Hydrogels as 3D Scaffolds for Human Dental Pulp Stem Cells"  
*12<sup>th</sup> Workshop on Nanosciences and Nanotechnologies*, July 2015, Thessaloniki, Greece
346. H. Papananou, K. Chrissopoulou, K. S. Andrikopoulos, G. A. Voyiatzis and S. H. Anastasiadis  
"Poly(ethylene oxide) / SiO<sub>2</sub> Nanocomposites"  
*1<sup>st</sup> International QualityNano Conference & Training Workshop "Current Status and Future Plans of Nanosafety Research and Implementation"*, July 2015, Heraklion Crete, Greece
347. M. A. Frysalis, L. Papoutsakis, S. H. Anastasiadis  
"Advanced characterization methods for multiscale organic/inorganic structures"  
*1<sup>st</sup> International QualityNano Conference & Training Workshop "Current Status and Future Plans of Nanosafety Research and Implementation"*, July 2015, Heraklion Crete, Greece

348. M. Kalyva, A. Anagnostakis, K. Psatha, M. Aivaliotis and S. H. Anastasiadis  
 "Antimicrobial activity of bare and capped with PVP Ag NPs prepared by Microwave synthesis against *Escherichia coli*"  
*1<sup>st</sup> International QualityNano Conference & Training Workshop "Current Status and Future Plans of Nanosafety Research and Implementation"*, July 2015, Heraklion Crete, Greece
349. K. C. Vasilopoulos, G. Kenanakis and S. H. Anastasiadis  
 "In-situ FTIR and UV-VIS characterization possibilities using custom flow-cell and controlled temperature setups and apparatuses"  
*1<sup>st</sup> International QualityNano Conference & Training Workshop "Current Status and Future Plans of Nanosafety Research and Implementation"*, July 2015, Heraklion Crete, Greece
350. G. Kaklamani, A. Woloszyk, T. A. Mitsiadis and S. H. Anastasiadis  
 "Fabrication and Characterization of Alginate Hydrogels 3D Scaffolds for Skin Tissue Engineering"  
*1<sup>st</sup> International QualityNano Conference & Training Workshop "Current Status and Future Plans of Nanosafety Research and Implementation"*, July 2015, Heraklion Crete, Greece
351. F. K. Krasanakis, S. H. Anastasiadis and M. Vamvakaki  
 "Fabrication and Characterization of Alginate Hydrogels 3D Scaffolds for Skin Tissue Engineering"  
*1<sup>st</sup> International QualityNano Conference & Training Workshop "Current Status and Future Plans of Nanosafety Research and Implementation"*, July 2015, Heraklion Crete, Greece
352. K. Androulaki, K. Chrissopoulou, M. Labardi, D. Prevosto and S. H. Anastasiadis  
 "Polymer Dynamics in Nanohybrids"  
*COST MP1202 (HINT) General Scientific Workshop and Review Meeting*, October 2015, Milan, Italy
353. K. Chrissopoulou, E. Perivolari, H. Papananou and S. H. Anastasiadis  
 "Confinement Effect on Polymer Morphology and Properties"  
*COST MP1202 (HINT) General Scientific Workshop and Review Meeting*, October 2015, Milan, Italy
354. S. H. Anastasiadis, K. Chrissopoulou, E. Perivolari and H. Papananou  
 "Confinement Effects on Polymer Morphology and Properties"  
*General Meeting 16, American Physical Society*, March 2016, Baltimore, MD, U.S.A.  
*Bull. Amer. Phys. Soc.* **61**, C34.00005 (2016).
355. K. Chrissopoulou, S. Fotiadou, K. Androulaki, K. Karatasos, B. Frick, M. Labardi, D. Prevosto and S. H. Anastasiadis  
 "Structure and Dynamics in Hybrane / Na<sup>+</sup>-MMT Nanohybrids"  
*COST MP1202 (HINT) Annual Meeting on Nanostructured materials: Protective and Functional coatings, surface treatment, bioceramics biocomposites and membranes*, March 2016, Vilnius, Lithuania
356. K. Chrissopoulou, K. Androulaki, D. Prevosto, M. Labardi and S. H. Anastasiadis  
 "Effect of Confinement and Molecular Architecture on Interfacial Dynamics"  
*8<sup>th</sup> International Conference on Times of Polymers (TOP) and Composites*, June 2016, Ischia, Italy
357. T. Manouras, E. Koufakis, S. H. Anastasiadis and M. Vamvakaki  
 "Ordered Block Copolymer Thin Films with Biocidal and Self-polishing Properties"  
*16<sup>th</sup> International Conference "Polymers and Organic Chemistry" (POC-16)*, June 2016, Heraklion Crete, Greece
358. K. Chrissopoulou, H. Papananou, E. Perivolari and S. H. Anastasiadis  
 "Tuning Polymer Crystallinity"  
*16<sup>th</sup> International Conference "Polymers and Organic Chemistry" (POC-16)*, June 2016, Heraklion Crete, Greece

359. K. Androulaki, K. Chrissopoulou, M. Labardi, D. Prevosto and S. H. Anastasiadis  
"Polymer Structure and Dynamics in the Bulk and under Confinement"  
*16<sup>th</sup> International Conference "Polymers and Organic Chemistry" (POC-16)*, June 2016, Heraklion Crete, Greece
360. M. A. Frysalis, L. Papoutsakis, G. Kaklamani and S. H. Anastasiadis  
"Thermo/pH dual-responsive polymer grafted surfaces"  
*16<sup>th</sup> International Conference "Polymers and Organic Chemistry" (POC-16)*, June 2016, Heraklion Crete, Greece
361. T. Manouras, E. Koufakis, S. H. Anastasiadis and M. Vamvakaki  
"Tunable surface wettability induced by the rearrangement of functional diblock copolymer brushes"  
*16<sup>th</sup> International Conference "Polymers and Organic Chemistry" (POC-16)*, June 2016, Heraklion Crete, Greece
362. H. Papananou, E. Perivolari, K. Chrissopoulou and S. H. Anastasiadis  
"Tuning the crystallinity of Poly(ethylene oxide) in PEO-SiO<sub>2</sub> nanocomposites"  
*12th National Graduate Research Polymer Conference*, June 2016, Akron, OH, USA
363. M. A. Frysalis, E. Stratakis, G. Kenanakis, G. Kaklamani, L. Papoutsakis and S. H. Anastasiadis  
"Development of multi-functional responsive surfaces"  
*FORTH-BGU workshop on polymers, colloids, gels, bio-and-synthetic nanostructures*, September 2016, Heraklion Crete, Greece
364. K. Chrissopoulou and S. H. Anastasiadis  
"Crystallization in polymer nanocomposites"  
*FORTH-BGU workshop on polymers, colloids, gels, bio-and-synthetic nanostructures*, September 2016, Heraklion Crete, Greece
365. K. Chrissopoulou, H. Papananou, E. Perivolari and S. H. Anastasiadis  
"Tuning Polymer Crystallinity"  
*COST CA15107 (MultiComp) Annual Meeting on Multi-Functional Nano-Carbon Composite Materials*, October 2016, Heraklion Crete, Greece
366. M. A. Frysalis, G. Kaklamani, G. Kenanakis, L. Papoutsakis and S. H. Anastasiadis  
"Development of multi-functional surfaces with controlled wettability"  
*COST CA15107 (MultiComp) Annual Meeting on Multi-Functional Nano-Carbon Composite Materials*, October 2016, Heraklion Crete, Greece
367. S. Leisch, H. Papananou, K. Chrissopoulou and S. H. Anastasiadis  
"PEO crystallization kinetics close to SiO<sub>2</sub> surfaces"  
*COST CA15107 (MultiComp) Annual Meeting on Multi-Functional Nano-Carbon Composite Materials*, October 2016, Heraklion Crete, Greece
368. K. Androulaki, K. Chrissopoulou, S. H. Anastasiadis, D. Prevosto and M. Labardi  
"Structure and dynamics in polyester based nanohybrids"  
*COST CA15107 (MultiComp) Annual Meeting on Multi-Functional Nano-Carbon Composite Materials*, October 2016, Heraklion Crete, Greece
369. E. Koufakis, T. Manouras, S. H. Anastasiadis and M. Vamvakaki  
"Multifaceted Polymer Films Combining Biocidal with Antifouling or Self-Polishing Properties"  
*Second Israel-Greece Joint Meeting on Nanotechnology and BioNanoscience*, October 2016, Heraklion Crete, Greece

370. S. Leisch, H. Papananou, K. Chrissopoulou and S. H. Anastasiadis  
"Crystallization kinetics in PEO/SiO<sub>2</sub> nanocomposites"  
*Second Israel-Greece Joint Meeting on Nanotechnology and BioNanoscience*, October 2016, Heraklion Crete, Greece
371. E. Glynos, L. Papoutsakis, A. D. Nega, E. Mygiakis, W. Pan, E. P. Giannelis, S. H. Anastasiadis and G. Sakellariou  
"High Conductivity, High Modulus Nanostructured Polymer Electrolytes Composed of Linear/ Polyanionic Star Copolymer Blends"  
*Second Israel-Greece Joint Meeting on Nanotechnology and BioNanoscience*, October 2016, Heraklion Crete, Greece
372. K. Androulaki, K. Chrissopoulou, D. Prevosto, M. Labardi and S. H. Anastasiadis  
"Polymer dynamics in the bulk and under confinement"  
*Second Israel-Greece Joint Meeting on Nanotechnology and BioNanoscience*, October 2016, Heraklion Crete, Greece
373. D. Balasaki, G. Kaklamani, M. Vamvakaki and S. H. Anastasiadis  
"Physical, Chemical and Biological Properties of Skin Analogues"  
*11<sup>th</sup> Hellenic Polymer Society International Conference*, November 2016, Heraklion Crete, Greece
374. E. Glynos, L. Papoutsakis, S. H. Anastasiadis, W. Pan, E. P. Giannelis, A. D. Nega, E. Mygiakis and G. Sakellariou  
"High Conductivity, High Modulus Polymer Electrolytes Composed of Linear/ Polyanionic Star Copolymers Blends"  
*11<sup>th</sup> Hellenic Polymer Society International Conference*, November 2016, Heraklion Crete, Greece
375. T. Manouras, El. Koufakis, S. H. Anastasiadis and M. Vamvakaki  
"Ordered Diblock Copolymer Thin Films with Antimicrobial and Self-renewal Properties"  
*11<sup>th</sup> Hellenic Polymer Society International Conference*, November 2016, Heraklion Crete, Greece
376. M. A. Frysali, L. Papoutsakis, G. Kaklamani and S. H. Anastasiadis  
"Stimuli responsive surfaces with controllable thermo- and pH-responsive wettability"  
*11<sup>th</sup> Hellenic Polymer Society International Conference*, November 2016, Heraklion Crete, Greece
377. A. Anagnostakis, K. Velonia, K. Chrissopoulou and S. H. Anastasiadis  
"DLS study on the first steps of the formation of giant amphiphiles"  
*11<sup>th</sup> Hellenic Polymer Society International Conference*, November 2016, Heraklion Crete, Greece
378. K. Androulaki, K. Chrissopoulou, D. Prevosto, M. Labardi and S. H. Anastasiadis  
"Structure and Dynamics of Polyesters in the Bulk and in Nanohybrids"  
*11<sup>th</sup> Hellenic Polymer Society International Conference*, November 2016, Heraklion Crete, Greece
379. E. Perivolari, H. Papananou, K. Chrissopoulou and S. H. Anastasiadis  
"Tuning the crystallinity of Poly(ethylene oxide) in PEO-SiO<sub>2</sub> nanocomposites"  
*11<sup>th</sup> Hellenic Polymer Society International Conference*, November 2016, Heraklion Crete, Greece
380. Stavros Bollas, K. Chrissopoulou, K. Androulaki, A. Avgeropoulos, M. Labardi, D. Prevosto and S. H. Anastasiadis  
"Dynamics and Crystallization of PEO / Na<sup>+</sup>-MMT: Effect of Polymer Architecture"  
*11<sup>th</sup> Hellenic Polymer Society International Conference*, November 2016, Heraklion Crete, Greece
381. H. Papananou, S. Leisch, K. Chrissopoulou and S. H. Anastasiadis  
"Crystallization Kinetics in Polymer/Silica Nanoparticles Nanocomposites"  
*11<sup>th</sup> Hellenic Polymer Society International Conference*, November 2016, Heraklion Crete, Greece



382. V. S. Petrakis, A. N. Rissanou, V. Harmandaris, H. Papananou, K. Chrissopoulou and S. H. Anastasiadis  
"Structural and Conformational Properties of Poly-(ethylene oxide)/Silica Nanocomposites through Simulations and Experiments"  
*11<sup>th</sup> Hellenic Polymer Society International Conference*, November 2016, Heraklion Crete, Greece
383. C. Mantzaridis, K. Krassa, K. Chrissopoulou and S. H. Anastasiadis  
"Bio-based polyurethane coatings for the wood industry"  
*11<sup>th</sup> Hellenic Polymer Society International Conference*, November 2016, Heraklion Crete, Greece
384. K. Chrissopoulou, E. Perivolari, S. Leisch, H. Papananou and S. H. Anastasiadis  
"Crystallization in polymer nanocomposites"  
*General Meeting 17, American Physical Society*, March 2017, New Orleans, LA, U.S.A.  
Bull. Amer. Phys. Soc. **62**, H6.00005 (2017).
385. S. H. Anastasiadis, M. A. Frysalis, G. Kenanakis, G. Kaklamani and L. Papoutsakis  
"Multi-functional surfaces with controllable wettability and water adhesion"  
*General Meeting 17, American Physical Society*, March 2017, New Orleans, LA, U.S.A.  
Bull. Amer. Phys. Soc. **62**, H10.00012 (2017).
386. K. Androulaki, K. Chrissopoulou, M. Labardi, D. Prevosto and S. H. Anastasiadis  
"Structure and dynamics of biobased polyesters in the bulk and under confinement"  
*Eurofillers – Polymer Blends 2017*, April 2017, Hersonissos Heraklion Crete, Greece
387. M. A. Frysalis, G. Kaklamani, G. Kenanakis and S. H. Anastasiadis  
"Development of responsive biomimetic polymer surfaces"  
*Eurofillers – Polymer Blends 2017*, April 2017, Hersonissos Heraklion Crete, Greece
388. E. Glynos, L. Papoutsakis, W. Pan, A. D. Nega, E. Mygiakis, E. P. Giannelis, S. H. Anastasiadis and G. Sakellariou  
"Star-shaped Copolymers as Additives to Liquid Electrolytes for High Conductivity and High Modulus Solid Polymer Electrolytes"  
*Eurofillers – Polymer Blends 2017*, April 2017, Hersonissos Heraklion Crete, Greece
389. E. Koufakis, T. Manouras, S. H. Anastasiadis and M. Vamvakaki  
"Stimuli-Responsive Amphiphilic Diblock Copolymer Brushes with Tunable Wettability"  
*Eurofillers – Polymer Blends 2017*, April 2017, Hersonissos Heraklion Crete, Greece
390. T. Manouras, E. Koufakis, S. H. Anastasiadis and M. Vamvakaki  
"Biocidal and self-renewal surfaces based on block copolymer polyelectrolytes"  
*Eurofillers – Polymer Blends 2017*, April 2017, Hersonissos Heraklion Crete, Greece
391. H. Papananou, E. Perivolari, K. Chrissopoulou and S. H. Anastasiadis  
"PEO-SiO<sub>2</sub> Nanocomposites: Tuning of Crystallinity"  
*Eurofillers – Polymer Blends 2017*, April 2017, Hersonissos Heraklion Crete, Greece
392. H. Papananou, S. Leisch, K. Chrissopoulou and S. H. Anastasiadis  
"Crystallization Kinetics in PEO/SiO<sub>2</sub> Nanocomposites"  
*Eurofillers – Polymer Blends 2017*, April 2017, Hersonissos Heraklion Crete, Greece
393. L. Papoutsakis, P. Petropoulou, A. D. Nega, E. Mygiakis, G. Sakellariou, E. Glynos and S. H. Anastasiadis  
"Interactions, Structure, and Mechanical Response in Mikto-arm star/linear polymer blends"  
*Eurofillers – Polymer Blends 2017*, April 2017, Hersonissos Heraklion Crete, Greece

394. K. Androulaki, K. Chrissopoulou, M. Labardi, D. Prevosto and S. H. Anastasiadis  
"Polymer structure and dynamics under strong spatial confinement"  
*11<sup>th</sup> Panhellenic Chemical Engineering Scientific Conference*, May 2017, Thessaloniki, Greece
395. K. Chrissopoulou, K. Androulaki, D. Prevosto, M. Labardi and S. H. Anastasiadis  
"Effect of Architecture on Polyester Dynamics in the Bulk and under Confinement"  
*European Polymer Congress 2017, European Polymer Federation*, July 2017, Lyon, France
396. M. A. Frysalis, G. Kaklamani and S. H. Anastasiadis  
"Cell adhesion on responsive parahydrophobic surfaces"  
*28<sup>th</sup> Annual Conference of the European Society for Biomaterials (ESB 2017)*, September 2017, Athens, Greece
397. G. Kaklamani, D. Cheneler, L. M. Grover, M. J. Adams, S. H. Anastasiadis and J. Bowen  
"Alginate hydrogels as skin-like structures: fabrication and characterization"  
*28<sup>th</sup> Annual Conference of the European Society for Biomaterials (ESB 2017)*, September 2017, Athens, Greece
398. G. Kaklamani, B. Gabritchidze, F. Iacovella, S. H. Anastasiadis and G. Deligeorgis  
"Graphene oxide hydrogels for tissue engineering applications"  
*28<sup>th</sup> Annual Conference of the European Society for Biomaterials (ESB 2017)*, September 2017, Athens, Greece
399. S. H. Anastasiadis, H. Papananou, E. Perivolari and K. Chrissopoulou  
"Tuning Polymer Crystallinity in Polymer Nanocomposites"  
*General Meeting 18, American Physical Society*, March 2018, Los Angeles, CA, U.S.A.  
Bull. Amer. Phys. Soc. **63**, B52.00009 (2018).
400. K. Chrissopoulou, H. Papananou, S. H. Anastasiadis, A. Rissanou, V. Harmandaris, K. Andrikopoulos and G. Voyiatzis  
"Effect of SiO<sub>2</sub> Nanoparticles on the Conformations of Poly(ethylene oxide) Polymer Chains"  
*General Meeting 18, American Physical Society*, March 2018, Los Angeles, CA, U.S.A.  
Bull. Amer. Phys. Soc. **63**, X43.00003 (2018).
401. E. Koufakis, T. Manouras, S. H. Anastasiadis and M. Vamvakaki  
"Novel Contact-Active Bactericidal Polymer Surfaces"  
*Bordeaux Polymer Conference (BPC 2018)*, May 2018, Bordeaux, France
402. K. Chrissopoulou, H. Papananou, E. Perivolari and S. H. Anastasiadis  
"Tuning Polymer Crystallinity"  
*18<sup>th</sup> European Conference on Composite Materials*, June 2018, Athens, Greece
403. A. N. Rissanou, A. E. A. S. Evangelopoulos, E. Glynos, I. A. Bitsanis, S. H. Anastasiadis and V. Koutsos  
"Polymer Droplets: Adsorption and Wetting Behaviour"  
*15<sup>th</sup> Workshop on Nanosciences and Nanotechnologies*, July 2018, Thessaloniki, Greece

## 9. INVITED LECTURES AT UNIVERSITIES AND RESEARCH CENTERS

1. "Neutron Reflection Studies of the Surface Induced Ordering of Thin Diblock Copolymer Films"  
*Polymer Science Seminar, Pennsylvania State University, March 1989, State College, PA, U.S.A.*
2. "Neutron Reflectivity Studies of Thin Diblock Copolymer Films"  
*Polymer Physics and Engineering Laboratory Seminar, General Electric Corporate Research and Development, June 1989, Schenectady, NY, U.S.A.*
3. "Neutron Reflectivity Studies of Thin Polymer Films"  
*Department of Chemical Engineering Seminar, University of California at Davis, October 1989, Davis, CA, U.S.A.*
4. "Order - Disorder Transition in Thin Diblock Copolymer Films as Studied by Neutron Reflectivity"  
*Laboratoire de Physique Statistique, Ecole Normale Supérieure, December 1989, Paris, France*
5. "Investigation of Polymer Interfaces by Neutron Reflectivity"  
*Laboratoire Léon Brillouin, CEN-Saclay, December 1989, Gif-sur-Yvette Cedex, France*
6. "Neutron Reflectivity Investigation of Polymer Surfaces and Interfaces"  
*Section de Physique et Chimie, Laboratoire Curie, Institut Curie, December 1989, Paris, France*
7. "Investigation of Polymer Surfaces and Interfaces by Neutron Reflectivity"  
*Institute of Electronic Structure and Laser Seminar, Foundation For Research and Technology - Hellas (FORTH), January 1990, Heraklion, Crete, Greece*
8. "Investigation of Thin Diblock Copolymer Films by Neutron Reflectivity"  
*Department of Chemical Engineering and Research Institute for Chemical Engineering and High Temperature Chemical Processes Seminar, University of Patras, January 1990, Patras, Greece*
9. "Polymer Blends and Block Copolymers"  
*Chemical Process Engineering Research Institute Short Course on Polymer Science, Foundation For Research and Technology - Hellas, July 1991, Thessaloniki, Greece*
10. "Polymer Surfaces and Interfaces"  
*Chemical Process Engineering Research Institute Short Course on Polymer Science, Foundation for Research and Technology - Hellas, July 1991, Thessaloniki, Greece*
11. "Basic Principles of Polymer Structure"  
*Advanced Summer School of Physics, Foundation for Research and Technology - Hellas, July 1991,<sup>‡</sup> Heraklion, Crete, Greece*
12. "Thin Diblock Copolymer Films"  
*Advanced Summer School of Physics, Foundation For Research and Technology - Hellas, July 1991,<sup>‡</sup> Heraklion, Crete, Greece*
13. "Effect of Film Thickness on the Ordering of Symmetric Diblock Copolymers"  
*Polymeercolloquium, Laboratorium voor Polymeerchemie, University of Groningen, October 1991, Groningen, The Netherlands*
14. "Segment Density Distribution of Effect of Symmetric Diblock Copolymers at the Interface between Immiscible Homopolymers as Revealed by Neutron Reflectivity"  
*Materials Science Center Colloquium, University of Groningen, November 1991, Groningen, The Netherlands*

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<sup>‡</sup> At that time, S. H. Anastasiadis was serving in the Army and was not associated with FO.R.T.H.

15. "Unconventional Morphologies of Symmetric Diblock Copolymers due to Film Thickness Constraints"  
*Materials Science Center Colloquium, University of Groningen, November 1991, Groningen, The Netherlands*
16. "Composition Fluctuation Effects on Diblock Copolymer Dynamics"  
*Polymer Physics Seminar, IBM Almaden Research Center, March 1994, San Jose, CA, U.S.A.*
17. "Composition Fluctuation Effects on Diblock Copolymer Dynamics"  
*Polymer Science Seminar, Pennsylvania State University, March 1994, State College, PA, U.S.A.*
18. "Dielectric Block Relaxation in Diblock Copolymers in the Disordered and in the Ordered State"  
*Polymer Research Institute Seminar, Polytechnic University, March 1995, Brooklyn, NY, U.S.A.*
19. "Relaxation of Composition Fluctuations in Disordered Diblock Copolymer Melts and Solutions"  
*Polymer Blends and Processing Seminar, National Institute of Standards and Technology, March 1995, Gaithersburg, MD, U.S.A.*
20. "Dynamics in Disordered Diblock Copolymer Melts and Solutions"  
*Physics of Complex Fluids, Polymers, and Interfaces Seminar, Weizmann Institute of Sciences, May 1995, Rehovot, Israel*
21. "Dynamics of Concentration Fluctuations in Diblock Copolymers in Bulk and in Solution"  
*Department of Chemical Engineering and Materials Science Seminar, University of Minnesota, March 1996, Minneapolis, MN, U.S.A.*
22. "Dynamics of Diblock Copolymer Solutions in Bulk and Near Surfaces"  
*Department of Chemical and Nuclear Engineering Seminar, University of California at Santa Barbara, March 1996, Santa Barbara, CA, U.S.A.*
23. "Effects of Thermodynamics on Dynamics and Diffusion in Block Copolymer Solutions in Bulk and Near Surfaces"  
*Department of Chemical Engineering Seminar, Johns Hopkins University, March 1997, Baltimore, MD, U.S.A.*
24. "Tethered Chain Dynamics Measured by Evanescent Wave Dynamic Light Scattering"  
*Polymer Blends and Processing Seminar, National Institute of Standards and Technology, March 1997, Gaithersburg, MD, U.S.A.*
25. "Investigation of Polymer Surfaces and Interfaces"  
*Department of Chemical Engineering Seminar, University of British Columbia, March 1997, Vancouver, Canada*
26. "Polymer Research at FO.R.T.H.-I.E.S.L. and University of Crete"  
*SYMYX Technologies, March 1997, San Jose, CA, U.S.A.*
27. "Effects of Thermodynamics on Dynamics and Motion in Block Copolymer Solutions"  
*Department of Materials Science & Engineering Seminar, University of Illinois at Urbana-Champaign, February 1998, Urbana, IL, U.S.A.*
28. "Thermodynamic Effects on the Dynamics and Motion in Diblock Copolymers"  
*Department of Chemistry Seminar, University of Wisconsin, February 1998, Madison, WI, U.S.A.*
29. "Diblock Copolymer Dynamics in the proximity of the Disorder-to-Order Transition"  
*Department of Chemical Engineering Seminar, University of Patras, May 1998, Patras, Greece*

30. "Self-Assembly and Dynamics in Block Copolymer Systems"  
*Interdepartmental Graduate Program "Processes & Technology of Advanced Materials" Seminar, Aristotelian University of Thessaloniki, October 1998, Thessaloniki, Greece*
31. "Self-Assembly and Dynamics in Copolymer Systems"  
*Department of Polymer Science and Engineering Seminar, University of Massachusetts at Amherst, December 1998, Amherst, MA, U.S.A.*
32. "Dynamics of Diblock Copolymer Near the Ordering Transition"  
*Polymer Science Seminar Series, University of Connecticut, December 1998, Storrs, CT, U.S.A.*
33. "Self-Assembly and Dynamics in Block Copolymers"  
*Department of Materials Science and Engineering Seminar, Cornell University, March 1999, Ithaca, NY, U.S.A.*
34. "Self-Assembly and Chain Dynamics in Copolymer Systems"  
*Department of Chemical Engineering Seminar, University of Florida, March 1999, Gainesville, FL, U.S.A.*
35. "Self-Assembly and Dynamics in Block Copolymers"  
*Institute of Physical Chemistry Seminar, NCSR Demokritos, May 1999, Athens, Greece*
36. "Block Copolymers: Influence of Self-Assembly on Dynamics"  
*Department of Chemistry Seminar, University of Alabama at Birmingham, August 1999, Birmingham, AL, U.S.A.*
37. "Block Copolymers: Influence of Self-Assembly on Dynamics"  
*Departments of Biochemical and Chemical Engineering Seminar, Rice University, August 1999, Houston, TX, U.S.A.*
38. "Effect of Copolymeric Additives on Polymer/Polymer and Polymer/Wall Interfaces"  
*ELF Atochem / CNRS UMR 167 Seminar, January 2000, Levallois-Perret Cedex, France*
39. "Copolymeric Additives at Polymer/Polymer and Polymer/Wall Interfaces"  
*Center for Polymer Interface and Macromolecular Assemblies and Department of Chemical Engineering Seminar, Stanford University, April 2000, Stanford, CA, U.S.A.*
40. "Thin Films of Diblock Copolymer/Homopolymer Mixtures: Mushroom and Brush Configuration of the Dangling Chains"  
*Department of Chemical Engineering Seminar, Drexel University, March 2001, Philadelphia, PA, U.S.A.*
41. "Block Copolymer Partitioning at Surfaces: Conformation of End-Anchored Chains and the Development of Responsive Surfaces"  
*Department of Materials Science and Engineering and Department of Chemistry Seminar, Cornell University, March 2002, Ithaca, NY, U.S.A.*
42. "Conformation of End-Anchored Chains in Polymeric Matrices and the Development of Intelligent Surfaces"  
*Department of Chemistry Seminar, Indiana University, March 2002, Bloomington, IN, U.S.A.*
43. "Novel Applications of Advanced Materials"  
*Department of Chemical Engineering Seminar, Aristotle University of Thessaloniki, November 2003, Thessaloniki, Greece*

44. "Mesoscopic Organic/Inorganic Hybrids for the Development of Random Lasers"  
*EOARD Window on Science, Polymer Science and Technology Colloquium Series, Materials and Manufacturing Directorate, Air Force Research Laboratory, December 2002, Wright-Patterson Air Force Base, Dayton, OH, U.S.A.*
45. "Controlling the Interfacial Properties in Polymer Systems"  
*3<sup>rd</sup> Cycle of Scientific Seminars of the Chemical Process Engineering Research Institute, Centre for Research and Technology - Hellas, January 2004, Thessaloniki, Greece*
46. "Controlling the Properties of Polymer Surfaces and Interfaces"  
*Polymer McGill Seminar, Department of Chemistry, McGill University, March 2004, Montréal, Canada*
47. "Investigating, Understanding, Optimizing and Controlling the Interfacial Behavior in Polymer Systems"  
*Seminar of Polymer Council of the Russian Academy of Sciences "Cutting Edge of the Polymer Science", Russian Academy of Sciences, February 2005, Moscow, Russia*
48. "Micellization of pH-responsive Block Copolymers and the Formation of Metal Nanocrystals"  
*Department of Materials Science and Engineering Colloquium, Cornell University, March 2006, Ithaca, NY, U.S.A.*
49. "Micellization and Metal Nanoparticle Formation in pH-responsive Block Copolymers"  
*Department of Materials Science and Engineering Seminar, Pennsylvania State University, March 2006, State College, PA, U.S.A.*
50. "Responsive Polymer Materials and Material Surfaces"  
*Department of Chemistry Seminar, University of Crete, January 2007,<sup>‡</sup> Heraklion Crete, Greece*
51. "The Formation of Metal Nanocrystals in pH-responsive Block Copolymers and Microgels"  
*School of Chemical Engineering and Analytical Science Seminar, The University of Manchester, July 2007, Manchester, U.K.*
52. "Micellization and Metal Nanocrystal Formation in pH-responsive Block Copolymers"  
*Department of Chemical Engineering Seminar, University of Massachusetts at Amherst, August 2007, Amherst, MA, U.S.A.*
53. "Reversible Wettability of Photosensitive Polymer Surfaces"  
*Air Products Corporate Research Seminar, January 2008, Allentown, PA, U.S.A.*
54. "Structure and dynamics in polymer / layered silicate nanocomposites"  
*Department of Polymer Engineering Seminar, University of Minho, February 2012, Guimarães, Portugal*
55. "Structure and dynamics in polymer / layered silicate nanocomposites"  
*Institute of Chemical Engineering Sciences Colloquium, ICE-HT/FORTH, June 2012, Rion Patras, Greece*

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<sup>‡</sup> At that time, S. H. Anastasiadis was at the Aristotle University of Thessaloniki and was not associated with University of Crete.

## **10. FUNDED RESEARCH PROJECTS**

1. "Optimal Design of Low-Cost Advanced Polymer Blends by Altering their Interfacial Situation"  
 Project Director: Prof. S. H. Anastasiadis, FO.R.T.H., Heraklion Crete, Greece  
 Collaborators: Prof. N. Hadjichristidis, University of Athens, Athens, Greece  
 Prof. G. N. Papatheodorou, I.C.E./H.T.-Patras, Patras, Greece  
 Mr. J. Charaktinos, A. G. Petzetakis S. A., Athens, Greece  
 Mr. G. Stylianakis, Plastika Kritis S. A., Heraklion, Crete, Greece  
**NATO Science for Stability Programme III 1993**  
 Reference Number: GR-POLYBLEND  
 Total Costs: 38,105,000 Belgian Francs NATO Funding: 17,010,000 Belgian Francs  
 FORTH Budget: 16,500,000 Belgian Francs  
 Duration: April 4, 1993 - December 31, 1997
  
2. "Network of Functional Materials Organized at the Supramolecular Level"  
 Coordinator: Prof. G. Hadziioannou, University of Groningen, Groningen, The Netherlands  
 Co-proposer: Prof. J. L. Bredas, Universite de Mons-Hainaut, Mons, Belgium  
 Prof. R. Jerome, Universite de Liege, Liege, Belgium  
 Prof. F. Brochard-Wyart, Universite Piere et Marie Curie, Paris, France  
 Dr. M. Schott, Universite Paris VI, Paris, France  
 Dr. F. Garnier, CNRS Ile-de-France EST, Thiais, France  
 Prof. J.-P. Montfort, Universite de Pau et des Pays, Pau, France  
 Dr. M. Stamm, Max-Planck-Institut für Polymerforschung, Mainz, Germany  
 Prof. J. Lopez da Silva, Universidade Tecnica de Lisboa, Lisboa, Portugal  
 Prof. S. H. Anastasiadis, FO.R.T.H., Heraklion Crete, Greece  
 Dr. S. Affrossman, University of Strathclyde, Glaskow, U.K.  
 Dr. R. Friend, University of Cambridge, Cambridge, U. K.  
**Human Capital and Mobility Programme 1993**  
 Reference Number: ERB4050PL930591  
 Total Costs: 350,000 ecu EC Funding: 350,000 ecu  
 FORTH Budget: 30,000 ecu  
 Duration: January 1, 1994 - December 31, 1996
  
3. "Optimization of Polymer Materials Properties by Modification of their Surface and Interfacial Situation"  
 Project Director: Mr. G. Stylianakis, Plastika Kritis S. A., Heraklion Crete, Greece  
 Co-proposer: Prof. S. H. Anastasiadis, FO.R.T.H., Heraklion Crete, Greece  
**Development of Industrial Research Programme 1994 (General Secretariat of Research and Technology, Greece)**  
 Total Costs: 22,000,000 GRD GSRT Funding: 10,000,000 GRD  
 FORTH Budget: 3,000,000 GRD  
 Duration: June 1, 1994 - May 31, 1996
  
4. "Structure, Dynamics and Interactions of Polymeric Amphiphiles and Lubricants"  
 Coordinator: Prof. S. H. Anastasiadis, FO.R.T.H., Heraklion Crete, Greece  
 Co-proposers: Prof. J. Klein, Weizmann Institute of Science, Rohovot, Israel  
 Dr. M. Stamm, Max-Planck-Institut für Polymerforschung, Mainz, Germany  
**EC / Israel Scientific and Technological Cooperation 1994**  
 Reference Number: CII\*-CT93-0351  
 Total Costs: 228,600 ecu EC Funding: 228,600 ecu  
 FORTH Budget: 76,727 ecu  
 Duration: January 1, 1994 - December 31, 1996
  
5. "Polymer/Metal Interfaces: Relationship between the Interfacial Adhesion and the Wall Slip"  
 Coordinator: Prof. S. G. Hatzikiriakos, Univ. of British Columbia, Canada  
 Co-proposer: Prof. S.H. Anastasiadis & D. Vlassopoulos, FO.R.T.H., Heraklion Crete, Greece  
**NATO Collaborative Research Grant 1994**  
 Total Costs: 210,000 Belgian Francs EC Funding: 210,000 Belgian Francs  
 FORTH Budget: 105,000 Belgian Francs  
 Duration: July 1, 1994 - June 30, 1996

6. "Development of Environmentally Friendly Materials for Coatings"  
 Coordinator: Dr. C. Toprakcioglu, Interchem-Hellas S. A., Greece  
 Co-proposers: Prof. S. H. Anastasiadis & Dr. D. Vlassopoulos, FO.R.T.H., Heraklion Crete, Greece  
 Dr. G. Chrysikos, National Hellenic Research Center, Athens, Greece  
 Mr. G. Vlachakis, Neokem S. A., Greece  
**Operational Programme for Research and Technology 1994 (General Secretariat of Research and Technology, Greece)**  
 Total Costs: 973,000 ecu EC Funding: 549,700 ecu  
 FORTH Budget: 217,000 ecu  
 Duration: January 1, 1995 - December 31, 1997
7. "Development of New Modified Polymers and Blends for Packaging and Agricultural Applications"  
 Coordinator: Dr. A. Stasinopoulos, Argo S. A., Greece  
 Co-proposers: Profs. G. Fytas, S. H. Anastasiadis & D. Vlassopoulos, FO.R.T.H., Heraklion, Greece  
 Dr. C. Kiparissides, FO.R.T.H.-C.P.E.R.I., Thessaloniki, Greece  
 Mr. G. Stylianakis, Plastika Kritis S. A., Heraklion Crete, Greece  
 Prof. N. Kalfoglou, Univ. of Patras, Patras, Greece  
 Dr. K. Paleos, N.R.C.P.S.-Democritos, Athens, Greece  
 Prof. D. N. Theodorou, FO.R.T.H.-I.C.E./H.T., Patras, Greece  
**Operational Programme for Research and Technology 1994 (General Secretariat of Research and Technology, Greece)**  
 Total Costs: 1,842,000 ecu EC Funding: 1,098,470 ecu  
 FORTH Budget: 230,900 ecu  
 Duration: January 1, 1995 - December 31, 1997
8. "Study of the Effect of Block Copolymers and Other Polysurfactants on Structure and Dynamics of Polymer Blends"  
 Project Director: Prof. S. H. Anastasiadis, FO.R.T.H., Heraklion Crete, Greece  
 Collaborator: Prof. A. N. Semenov, Moscow State University, Russia  
**NATO Science for Stability Programme - Outreach Dimension 1995**  
 Reference Number: GR-POLYBLEND CP  
 Total Costs: 2,200,000 Belgian Francs NATO Funding: 2,200,000 Belgian Francs  
 FORTH Budget: 1,100,000 Belgian Francs  
 Duration: January 1, 1996 - December 31, 1997
9. "Raman Scattering of Polymer Blends in the Critical Region Analyzed with Schematic Mode Coupling Models"  
 Project Director: Prof. S. H. Anastasiadis, FO.R.T.H., Heraklion Crete, Greece  
 Collaborators: Dr. G. Voyiatzis, I.C.E./H.T.-Patras, Patras, Greece  
 Prof. S. A. Kirillov, Ukrainian National Academy of Sciences, Ukraine  
**NATO Science for Stability Programme - Outreach Dimension 1995**  
 Reference Number: GR-POLYBLEND CP  
 Total Costs: 2,300,000 Belgian Francs NATO Funding: 2,300,000 Belgian Francs  
 FORTH Budget: 600,000 Belgian Francs  
 Duration: January 1, 1996 - December 31, 1997
10. "Influence of Molecular Architecture of Homopolymers and Copolymers on the Static and Dynamic Properties in Solution and in the Melt and at Interfaces"  
 Project Director: Dr. P. Lutz, Institut Charles Sadron (CRM-EAHP), Strasbourg, France  
 Co-proposers: Profs. G. Fytas, S.H. Anastasiadis & D. Vlassopoulos, FO.R.T.H., Heraklion Crete, Greece  
 Prof. N. Hadjichristidis, University of Athens, Athens, Greece  
 Dr. D. N. Theodorou, FO.R.T.H.-I.C.E./H.T., Patras, Greece  
**PLATON 1996 (Greek-French Collaborative Programme)**  
 Greek Side Budget: 16,500,000 GRD  
 Duration: January 1, 1997 - December 31, 1998



11. "Development of Water Based Inks for Printing on Plastic Packaging Materials"  
 Project Director: Prof. S. H. Anastasiadis, FO.R.T.H., Heraklion Crete, Greece  
 Co-proposers: Dr. Ch. Varelas, Interchem Hellas S. A., Athens, Greece  
 Mr. V. Axiotis, Drukfarben Hellas S. A., Athens, Greece  
 Dr. K. Foulaki, A. Hatzopoulos S. A., Thessaloniki, Greece  
 Prof. A. Vradis, University of Patras, Patras, Greece  
**Operational Programme for Research and Technology 1998 (General Secretariat of Research and Technology, Greece)**  
 Total Costs: 395.000.000 GRD GSRT Funding: 260.942.500 GRD  
 FORTH Budget: 96.305.000 GRD  
 Duration: November 1, 1998 - April 30, 2001
12. "Development of Polymeric Materials with Improved Surface/Interfacial Properties"  
 Project Director: Prof. S. H. Anastasiadis, FO.R.T.H., Heraklion Crete, Greece  
 Co-proposers: Dr. V. Gionis, National Hellenic Research Center, Athens, Greece  
 Dr. C. Toprakcioglu, University of Patras, Patras, Greece  
**Programme for the Improvement of Human Potential 1999 (General Secretariat of Research and Technology, Greece)**  
 Total Costs: 59.000.000 GRD GSRT Funding: 59.000.000 GRD  
 FORTH Budget: 23.700.000 GRD  
 Duration: January 1, 2000 - June 30, 2001
13. "Colloidal Catalysts for Synthesis of Important Vitamins and Fragrant Substances: New Approach, New Advantages"  
 Project Director: Prof. S. H. Anastasiadis, FO.R.T.H., Heraklion Crete, Greece  
 Collaborators: Dr. L. M. Bronstein, Nesmeyanov Inst. of Organoelement Compounds, Russia  
 Prof. A. R. Khokhlov, Moscow State University, Russia  
 Prof. A. N. Semenov, University of Leeds, U. K.  
 Prof. E. M. Sulman, Tver Technical University, Russia  
 Mr. A. T. Kirsanov, OAO "Belgorodvitaminy", Russia  
**NATO Science for Peace Programme**  
 Reference Number: SfP - 974173  
 Total Costs: 18,990,000 Belgian Francs NATO Funding: 12,300,000 Belgian Francs  
 FORTH Budget: 10,290,000 Belgian Francs  
 Duration: December 13, 1999 - December 31, 2004
14. "Nanocomposite Random Lasers"  
 Co-proposers: Prof. S.H. Anastasiadis, FO.R.T.H., Heraklion Crete, Greece  
 Prof. E. Giannelis, FO.R.T.H., Heraklion Crete, Greece  
**European Office of Aerospace Research and Development (EOARD)**  
 Total Costs: \$24.995 USD EOARD Funding: \$24.995 USD  
 Duration: September 1, 2000 - September 30, 2001
15. "Random Lasers based on Polymer Nanocomposites"  
 Co-proposers: Prof. S.H. Anastasiadis, FO.R.T.H., Heraklion Crete, Greece  
 Prof. E. Giannelis, FO.R.T.H., Heraklion Crete, Greece  
 Dr. D. Anglos, FO.R.T.H., Heraklion Crete, Greece  
**European Office of Aerospace Research and Development (EOARD)**  
 Total Costs: \$24.995 USD EOARD Funding: \$24.995 USD  
 Duration: September 26, 2001 - September 30, 2002
16. "Nanocomposite Materials of Polyethylene for Food Packaging and Agricultural Applications"  
 Project Director: Dr. M. Stefanakis, S&B Industrial Minerals S.A., Athens, Greece  
 Co-proposers: Profs. E. Giannelis & S. H. Anastasiadis, FO.R.T.H., Heraklion Crete, Greece  
 Prof. N. Hadjichristidis, University of Athens, Athens, Greece  
**Development of Industrial Research Programme 2001 (General Secretariat of Research and Technology, Greece)**  
 Total Costs: 26,260,000 GRD GSRT Funding: 9,975,000 GRD  
 FORTH Budget: 4,000,000 GRD  
 Duration: September 1, 2001 - August 31, 2003

17. "Innovative Environmentally Friendly Flame-Retarded Polypropylene Nanocomposites"  
 Coordinator: Dr. N. Theofilou, S&B Industrial Minerals S.A., Athens, Greece  
 Co-proposers: Profs. S. H. Anastasiadis and E. P. Giannelis, FO.R.T.H., Heraklion Crete, Greece  
 IKO-Erbslöh Industriemineralien und Kohlenstoffe, Germany  
 Laviosa Chimica Mineraria, Italy  
 Carmel Olefins Ltd., Israel  
 Dead Sea Bromine Group, Israel  
 Poliplast Sarl, Italy  
 The Interuniversity National Consortium for Materials Science and Technol., Italy
- Shared Cost RTD (Growth) 2001**  
 Reference Number: G5RD-CT-2002-00834  
 Total Costs: 3,170,073 Euro EU Funding: 1,692,434 Euro  
 FORTH Budget: 341,417 Euro  
 Duration: February 1, 2003 – January 31, 2006
18. "The Role of Adsorbed Chains in the Stabilization of Nanoparticles: Applications in the Coatings Technology"  
 Project Director: Dr. V. Mavrantzas, ICE/HT-Patras, FO.R.T.H., Patras, Greece  
 Co-proposers: Prof. S. H. Anastasiadis, FO.R.T.H., Heraklion Crete, Greece  
 Profs. K. Tsitsilianis and A. Vradis, University of Patras, Patras, Greece
- Programme for the Improvement of Human Potential 2001 (General Secretariat of Research and Technology, Greece)**  
 Total Costs: 74.950.000 GRD GSRT Funding: 66.950.000 GRD  
 FORTH Budget: 25.200.000 GRD  
 Duration: January 1, 2003 – December 31, 2005
19. "Tailored nanosized metal catalysts for improving activity and selectivity *via* engineering of their structure and local environment"  
 Coordinator: Prof. Dmitry Yu. Murzin, Åbo Akademi Univ., Turku, Finland  
 Co-proposers: Profs. S. H. Anastasiadis and M. Vamvakaki, FO.R.T.H., Heraklion Crete, Greece  
 Prof. E. M. Sulman, Tver State Technical University, Tver, Russia  
 Prof. M. Che, Université Pierre et Marie Curie, Paris, France  
 Prof. D. Duka, University of Palermo, Palermo, Italy  
 Prof. J. H. Bitter, Utrecht Univ., Utrecht, The Netherlands  
 Dr. U. Dingerdissen, Degussa, Frankfurt, Germany
- Specific Targeted Research or Innovation Projects**  
 Reference Number: NMP3-CT-2005-506621 (NANOCAT)&  
 Total Costs: 3.188.000 Euro EU Funding: 1.920.750 Euro  
 FORTH Budget: 378.000 Euro  
 Duration: February 1, 2005 – January 31, 2008
20. "Development of nanostructured polymer/inorganic hybrids for random lasing applications"  
 Project Director: Prof. S. H. Anastasiadis, FO.R.T.H., Heraklion Crete, Greece  
 Co-proposers: Drs. D. Anglos, A. Lappas, & K. Chrissopoulou, FO.R.T.H., Heraklion Crete, Greece  
 Profs. M. Vamvakaki and P. Trikalitis, Univ. of Crete, Heraklion Crete, Greece  
 Dr. N. Theophilou, S&B Industrial Minerals S.A., Athens, Greece  
 Mr. G. Papadopoulos, Analytikos Siskeves S.A., Athens, Greece
- Programme for the Improvement of Human Potential 2003 (General Secretariat of Research and Technology, Greece)**  
 Total Costs: 228.000 Euro GSRT Funding: 205.000 Euro  
 FORTH Budget: 131.000 Euro  
 Duration: October 1, 2005 – September 30, 2008

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& This funded research Project NMP3-CT-2005-506621 (NANOCAT) has been extensively discussed in a special edition of the European Commission, G. Hernández, S. Bøwadt, and J. L. Vallés, "Novel materials and sustainable chemistry. A decade of EU-funded research", Directorate-General for Research, 2008 (ISBN 978-92-79-09721-8, DOI 10.2777/99099), pp. 24.

21. "Phenols of industrial wastewaters: detection, conversion, degradation"  
 Project Director: Prof. S. H. Anastasiadis, FO.R.T.H., Heraklion Crete, Greece  
 Collaborators: Prof. A. R. Khokhlov, Moscow State University, Russia  
 Prof. A. Eisenberg, McGill University, Canada  
 Dr. L. M. Bronstein, Nesmeyanov Inst. of Organoelement Compounds, Russia  
 Prof. E. M. Sulman, Tver State University, Russia  
 Prof. K. Zhubanov, Res. Inst. of New Chemical Technologies & Materials, Kazakhstan  
 Mr. S. Tkachov, Center of Water Technologies, Russia  
 Prof. M. Nauryzbaev, Kazakh National al-Farabi University, Kazakhstan
- NATO Science for Peace Programme**  
 Reference Number: SfP - 981438  
 Total Costs: 350.000 Euro NATO Funding: 350.000 Euro  
 FORTH Budget: 26.000 Euro  
 Duration: November 2005 - December 2010
22. "Multifunctional polymer nano-emulsions for the coatings and the adhesives industry"  
 Project Director: Dr. B. Varelas, Interkem Hellas S. A., Vathi Chalkidos, Greece  
 Co-proposers: Dr. A. Stoubos, N.R.C.P.S. "Demokritos", Aghia Paraskevi, Greece  
 Prof. S. H. Anastasiadis, CE.R.T.H., Thessaloniki, Greece
- Development of Industrial Research Programme 2005 (General Secretariat of Research and Technology, Greece)**  
 Total Costs: 238.280 EURO GSRT Funding: 101.820 EURO  
 FORTH Budget: 15,000 EURO  
 Duration: December 5, 2006 – November 30, 2007
23. "Novel Photovoltaic Elements and Photovoltaic Systems with Optimal Efficiency"  
 Project Director: Dr. E. Koudoumas, Technological Educational Institute of Heraklion, Greece  
 Co-proposers: Prof. G. Georgiou, University of Cyprus, Nicosia, Cyprus  
 Prof. S. H. Anastasiadis, FO.R.T.H., Heraklion Crete, Greece
- Interreg IIIA / Greece-Cyprus (General Secretariat of Research and Technology, Greece)**  
 Total Costs: 290.000 EURO GSRT Funding: 290.000 EURO  
 FORTH Budget: 25,000 EURO  
 Duration: 24 months
24. "Modern polymer-based catalysts and microflow conditions as key elements of innovations in fine chemical syntheses"  
 Coordinator: Prof. Volker Hessel, Institut für Mikrotechnik Mainz GmbH, Mainz, Germany  
 Co-proposers: Prof. S. H. Anastasiadis, FO.R.T.H., Heraklion Crete, Greece  
 Dr. C. Daubie, Sanofi-Aventis Recherche & Developement, France  
 Dr. A. Grosse, Bayer Technology Services GmbH, Germany  
 Dr. J. E. Lang, Evonik Degussa GmbH, Germany  
 Dr. J. Heck, Ehrfeld Mikrotechnik BTS GmbH, Germany  
 Dr. E. Urge, ThalesNano Nanotechnologiai Kutato-Fejleszto ZRT, Hungary  
 Dr. V. Dovyanyuk, Sud-Chemie Alvigo Catalysts LLC, Russia  
 Dr. S. Lindfors, Picosun Oy,  
 Prof. M. Ballauff, Helmholtz-Zentrum Berlin für Materialien und Energie, Germany  
 Prof. G. Akay, University of Newcastle upon Tyne, U.K.  
 Prof. C. de Bellefon, Centre National de la Recherche Scientifique, France  
 Prof. L. Kiwi-Minsker, École Polytechnique Fédérale de Lausanne, Switzerland  
 Prof. D. Murzin, Åbo Akademi, Finland  
 Prof. D. Duka, University of Palermo, Palermo, Italy  
 Dr. D. Kralisch, Friedrich-Schiller-Universität Jena, Germany  
 Prof. J. C. Schouten, Technische Universiteit Eindhoven, The Netherlands  
 Dr. L. Bronstein, A. N. Nesmeyanov Institute of Organoelement Compounds, Russia  
 Prof. E. M. Sulman, Tver State Technical University, Tver, Russia
- NMP-2009-3.2-1 [Innovative pathways for sustainable chemical production]**  
 Reference Number: POLYCAT (Grant agreement no: CP-IP 246095-2)  
 Total Costs: 10.063.668,00 EURO EU Funding: 6.998.220,00 EURO  
 FORTH Budget: 493.348,00 EURO  
 Duration: October 1, 2010 – March 31, 2014

25. "Development of Environmental Friendly Core-Shell Nanodispersions for the Coatings Industry"  
 Project Director: Prof. S. H. Anastasiadis, FO.R.T.H., Heraklion Crete, Greece  
 Co-proposers: Dr. Ch. Varelas, Interchem Hellas S. A., Athens, Greece  
 Prof. C. Kyparissides, CE.R.T.H.-C.P.E.R.I., Thessaloniki, Greece  
**"Synergasia" Operational Programme for Research and Technology 2007-2013 (General Secretariat of Research and Technology, Greece)**  
 Reference Number: 09ΣΥΝ-42-580  
 Total Costs: 510.798,92 EURO GSRT Funding: 408.569,46 EURO  
 FORTH Budget: 153.340,00 EURO  
 Duration: January 1, 2011 – December 31, 2013
26. "Development of Biomimetic Responsive Polymer Surfaces"  
 Project Director: Prof. S. H. Anastasiadis, University of Crete, Heraklion Crete, Greece  
**"Herakleitos II" Programme for the Development of Human Potential via Ph.D. Research 2007-2013 (Ministry of Education, Lifelong Learning and Religion)**  
 Reference Number: CRETE ΠΕ1.64  
 Total Costs: 45.000,00 EURO GSRT Funding: 45.000,00 EURO  
 Univ. Crete Budget: 45.000,00 EURO  
 Duration: December 7, 2010 – December 6, 2013
27. "Development of Photosensitive Nanostructured Hybrids"  
 Project Director: Prof. S. H. Anastasiadis, University of Crete, Heraklion Crete, Greece  
 Co-proposer: Dr. E. Koudoumas, Technical Educational Institute of Crete, Heraklion Crete, Greece  
**"Herakleitos II" Programme for the Development of Human Potential via Ph.D. Research 2007-2013 (Ministry of Education, Lifelong Learning and Religion)**  
 Reference Number: CRETE ΠΕ1.63  
 Total Costs: 45.000,00 EURO GSRT Funding: 45.000,00 EURO  
 Univ. Crete Budget: 45.000,00 EURO  
 Duration: May 24, 2011 – May 23, 2014
28. "Development of an Entrepreneurial and Technological Information Network"  
 Scientific Director: Prof. S. H. Anastasiadis, FO.R.T.H., Heraklion Crete, Greece  
 Project Director: Dr. N. Melanitis, Help-Forward (Praxi), Athens, Greece  
**Funding: "Hellenic Federation of Enterprises (SEV) - Stegi Ellinikis Viomichanias S.A.", Operational Programme "Development of Human Resources" within ΕΣΠΑ 2007-2013**  
 Reference Number: ΔΕΤΕΠ  
 Total Costs: 600.000,00 EURO SEV Funding: 600.000,00 EURO  
 FORTH Budget: 600.000,00 EURO  
 Duration: January 2011 – December 2014
29. "High performance nanocomposite materials: Reinforcement of polymers with advanced carbon and silica nanostructures"  
 Project Director: Prof. K. Triantafyllidis, Aristotle University of Thessaloniki, Thessaloniki, Greece  
 Co-proposers: Prof. S. H. Anastasiadis, FO.R.T.H., Heraklion Crete, Greece  
 Prof. M. Karakassides, University of Ioannina, Ioannina, Greece  
**"Thalis" Programme for the Development of Interdisciplinary and Interinstitutional Basic and Applied Research of High Quality 2007-2013 (Ministry of Education, Lifelong Learning and Religion)**  
 Reference Number: NANOCOMP  
 Total Costs: 521.740,00 EURO GSRT Funding: 521.740,00 EURO  
 FORTH Budget: 176.500,00 EURO  
 Duration: 48 months (starting October 2012)
30. "Development of Novel Functional Copolymers and Surfaces with Permanent and/or Controlled Released Biocidal Species"  
 Project Director: Prof. J. Kallitsis, University of Patras, Rion Patras, Greece  
 Co-proposers: Profs. M. Vamvakaki, S. H. Anastasiadis and I.A. Bitsanis, FO.R.T.H., Heraklion Crete, Greece  
 Dr. G. Voyiatzis, ICE/HT-Patras, Rion Patras, Greece  
**"Thalis" Programme for the Development of Interdisciplinary and Interinstitutional Basic and Applied Research of High Quality 2007-2013 (Ministry of Education, Lifelong Learning and Religion)**  
 Reference Number: PolyBioSurf  
 Total Costs: 512.820,51 EURO GSRT Funding: 512.820,51 EURO  
 FORTH Budget: 144.215,00 EURO  
 Duration: 36 months (starting October 2012)

31. "Smart Multi-functional Polymer Surfaces"  
 Project Director: Prof. S. H. Anastasiadis, FO.R.T.H., Heraklion Crete, Greece  
**GSRT Research Excellent "Aristeia II" Action of the Operational Programme Education and Life Long Learning 2007-2013 (Ministry of Education and Religion)**  
 Reference Number: SMART\_SURF  
 Total Costs: 396.000,00 EURO GSRT Funding: 396.000,00 EURO  
 FORTH Budget: 396.000,00 EURO  
 Duration: March 19, 2014 – July 31, 2015
32. "Advanced Energy Materials"  
 Project Director: Prof. C Galiotis, Inst. of Chem. Engin. Sciences, FO.R.T.H., Heraklion Crete, Greece  
 Co-proposers: Prof. S. H. Anastasiadis, FO.R.T.H., Heraklion Crete, Greece  
**GSRT Research Centers Development Action**  
 Reference Number: PROENYL  
 Total Costs: 1.573.000,00 EURO GSRT Funding: 1.573.000,00 EURO  
 FORTH Budget: 800.000,00 EURO  
 Duration: September 1, 2013 – December 31, 2015
33. "Advancing Young Researchers' Human Capital in Cutting Edge Technologies in the Preservation of Cultural Heritage and the Tackling of Societal Challenges"  
 Project Director: Prof. S. H. Anastasiadis, FO.R.T.H., Heraklion Crete, Greece  
**Stavros Niarchos Foundation**  
 Reference Number: ARCHERS  
 Total Costs: 3.300.000,00 EURO SNF Funding: 3.300.000,00 EURO  
 FORTH Budget: 3.300.000,00 EURO  
 Duration: January 1, 2017 – December 31, 2019
34. "Innovative polymer greenhouse films via application of functional coatings"  
 Scientific Director: Prof. S. H. Anastasiadis, FO.R.T.H., Heraklion Crete, Greece  
 Project Director: Dr. M. Kapnistos, Plastika Kritis S.A., Heraklion Crete, Greece  
**"Ερευνά-Δημιουργώ-Καινοτομώ" Operational Programme for Competitiveness, Entrepreneurship and Innovation 2014-2020 (General Secretariat of Research and Technology, Greece)**  
 Reference Number: INGRECO  
 Total Costs: 999.593,71 EURO GSRT Funding: 752.243,90 EURO  
 FORTH Budget: 207.954,36 EURO  
 Duration: 3 years
35. "Solid Electrolytes for Li-Ion Batteries"  
 Project Director: Mr. S. Pacharidis, Sunlight S.A., Xanthi, Greece  
 Co-proposer: Prof. S. H. Anastasiadis, FO.R.T.H., Heraklion Crete, Greece  
**"Ερευνά-Δημιουργώ-Καινοτομώ" Operational Programme for Competitiveness, Entrepreneurship and Innovation 2014-2020 (General Secretariat of Research and Technology, Greece)**  
 Reference Number: SOLIDEL  
 Total Costs: 810.918,00 EURO GSRT Funding: 728.143,00 EURO  
 FORTH Budget: 209.448,00 EURO  
 Duration: 3 years

## 11. ACADEMIC ACTIVITIES

### 11.1. TEACHING

#### 11.1.1 University of Crete (1992-2005)

Academic Year	Fall Semester	Spring Semester
1992-1993	<ul style="list-style-type: none"> <li>• Topics of Modern Physics</li> </ul>	<ul style="list-style-type: none"> <li>• Physics II (to Chemistry students)</li> <li>• Polymer Physics I (Graduate)</li> </ul>
1993-1994	<ul style="list-style-type: none"> <li>• Polymer Physics (Undergraduate)</li> </ul>	<ul style="list-style-type: none"> <li>• Thermodynamics</li> </ul>
1994-1995	<ul style="list-style-type: none"> <li>• Polymer Physics (Undergraduate)</li> </ul>	<ul style="list-style-type: none"> <li>• Thermodynamics</li> </ul>
1995-1996	<ul style="list-style-type: none"> <li>• Thermodynamics</li> <li>• Introduction to Materials Science (<i>new course</i>)</li> </ul>	<ul style="list-style-type: none"> <li>• Chemical Physics of Macromolecules (<i>new course</i>) (Graduate-reading course)</li> </ul>
1996-1997	<ul style="list-style-type: none"> <li>• Thermodynamics</li> </ul>	<ul style="list-style-type: none"> <li>• Introduction to Materials Science</li> <li>• Chemical Physics of Macromolecules (Graduate-reading course)</li> </ul>
1997-1998	<ul style="list-style-type: none"> <li>• Thermodynamics</li> <li>• Structural and Chemical Analysis of Materials (<i>new course</i>) (Graduate-reading course)</li> </ul>	<ul style="list-style-type: none"> <li>• Introduction to Materials Science</li> <li>• Chemical Physics of Macromolecules (Graduate-reading course)</li> </ul>
1998-1999	<ul style="list-style-type: none"> <li>• Thermodynamics</li> <li>• Structural and Chemical Analysis of Materials (Graduate-reading course)</li> </ul>	<ul style="list-style-type: none"> <li>• Introduction to Materials Science</li> <li>• Chemical Physics of Macromolecules (Graduate-reading course)</li> </ul>
1999-2000	<ul style="list-style-type: none"> <li>• Thermodynamics</li> <li>• Structural and Chemical Analysis of Materials (Graduate-reading course)</li> </ul>	<ul style="list-style-type: none"> <li>• Introduction to Materials Science</li> <li>• Chemical Physics of Macromolecules (Graduate-reading course)</li> </ul>
2000-2001	<ul style="list-style-type: none"> <li>• Thermodynamics</li> <li>• Structural and Chemical Analysis of Materials (Graduate-reading course)</li> </ul>	<ul style="list-style-type: none"> <li>• Introduction to Materials Science (Undergraduate and Graduate Course)</li> <li>• Chemical Physics of Macromolecules (Graduate-reading course)</li> </ul>
2001-2002	<ul style="list-style-type: none"> <li>• Thermodynamics</li> <li>• Structural and Chemical Analysis of Materials (Graduate-reading course)</li> </ul>	<ul style="list-style-type: none"> <li>• Introduction to Materials Science (Undergraduate and Graduate Course)</li> <li>• Chemical Physics of Macromolecules (Graduate-reading course)</li> </ul>
2002-2003	<ul style="list-style-type: none"> <li>• Thermodynamics &amp; Statistical Physics (<i>new course</i>)</li> <li>• Structural and Chemical Analysis of Materials (Graduate-reading course)</li> </ul>	<ul style="list-style-type: none"> <li>• Introduction to Materials Science (Undergraduate and Graduate Course)</li> <li>• Chemical Physics of Macromolecules (Graduate-reading course)</li> </ul>
2003-2004	<ul style="list-style-type: none"> <li>• Thermodynamics &amp; Statistical Physics</li> <li>• Structural and Chemical Analysis of Materials (Graduate-reading course)</li> </ul>	<ul style="list-style-type: none"> <li>• Introduction to Materials Science (Undergraduate and Graduate Course)</li> <li>• Chemical Physics of Macromolecules (Graduate-reading course)</li> </ul>
2004-2005	<ul style="list-style-type: none"> <li>• Thermodynamics &amp; Statistical Physics</li> <li>• Structural and Chemical Analysis of Materials (Graduate-reading course)</li> </ul>	<ul style="list-style-type: none"> <li>• Introduction to Materials Science (Undergraduate and Graduate Course)</li> <li>• Chemical Physics of Macromolecules (Graduate-reading course)</li> <li>• Physics Laboratory I (Classical Mechanics-Heat)</li> </ul>

#### 11.1.2 Aristotle University of Thessaloniki (2005 - 2008)

Academic Year	Fall Semester	Spring Semester
2005-2006	<ul style="list-style-type: none"> <li>• Materials Science (undergraduate course)</li> <li>• Analytical Techniques in Materials Science (undergraduate-elective course)</li> <li>• Materials Laboratory (undergraduate-elective)</li> </ul>	<ul style="list-style-type: none"> <li>• Materials Technology (undergraduate course)</li> <li>• Analytical Techniques in Materials Science (undergraduate-elective course)</li> </ul>

2006-2007	<ul style="list-style-type: none"> <li>• Materials Science and Technology I (undergraduate course)</li> <li>• Materials Laboratory (undergraduate-elective)</li> <li>• Computational Materials Science (undergraduate-elective)</li> </ul>	<ul style="list-style-type: none"> <li>• Materials Science and Technology II (undergraduate course)</li> <li>• Analytical Techniques in Materials Science (undergraduate-elective course)</li> </ul>
2007-2008	<ul style="list-style-type: none"> <li>• Materials Science and Technology I (undergraduate course)</li> <li>• Materials Laboratory (undergraduate-elective)</li> <li>• Computational Materials Science (undergraduate-elective)</li> </ul>	<ul style="list-style-type: none"> <li>• Materials Science and Technology II (undergraduate course)</li> <li>• Analytical Techniques in Materials Science (undergraduate-elective course)</li> </ul>

### 11.1.3 University of Crete (2008- )

Academic Year	Fall Semester	Spring Semester
2008-2009	<ul style="list-style-type: none"> <li>• Physics I (undergraduate)</li> </ul>	<ul style="list-style-type: none"> <li>• Physical Chemistry II (undergraduate)</li> </ul>
2009-2010	<ul style="list-style-type: none"> <li>• Physics I (undergraduate)</li> <li>• Soft Condensed Matter (undergraduate-graduate)</li> </ul>	<ul style="list-style-type: none"> <li>• Physical Chemistry II (undergraduate)</li> </ul>
2010-2011	<ul style="list-style-type: none"> <li>• Soft Condensed Matter (undergraduate-graduate)</li> </ul>	<ul style="list-style-type: none"> <li>• Physical Chemistry II (undergraduate)</li> <li>• Introduction to Polymer Science (undergraduate)</li> </ul>
2011-2012	<ul style="list-style-type: none"> <li>• Soft Condensed Matter (undergraduate-graduate)</li> </ul>	<ul style="list-style-type: none"> <li>• Physical Chemistry II (undergraduate)</li> <li>• Introduction to Polymer Science (undergraduate)</li> </ul>
2012-2013	<ul style="list-style-type: none"> <li>• Soft Condensed Matter (undergraduate-graduate)</li> </ul>	<ul style="list-style-type: none"> <li>• Physical Chemistry II (undergraduate)</li> <li>• Introduction to Polymer Science (undergraduate)</li> </ul>
2013-2014	<ul style="list-style-type: none"> <li>• Soft Condensed Matter (undergraduate-graduate)</li> </ul>	<ul style="list-style-type: none"> <li>• Introduction to Polymer Science (undergraduate)</li> </ul>
2014-2015	<ul style="list-style-type: none"> <li>• Soft Condensed Matter (undergraduate-graduate)</li> </ul>	<ul style="list-style-type: none"> <li>• Introduction to Polymer Science (undergraduate)</li> </ul>
2015-2016	<ul style="list-style-type: none"> <li>• Soft Condensed Matter (undergraduate-graduate)</li> </ul>	<ul style="list-style-type: none"> <li>• Introduction to Polymer Science (undergraduate)</li> </ul>
2016-2017	<ul style="list-style-type: none"> <li>• Soft Condensed Matter (undergraduate-graduate)</li> </ul>	<ul style="list-style-type: none"> <li>• Introduction to Polymer Science (undergraduate)</li> </ul>
2017-2018	<ul style="list-style-type: none"> <li>• Soft Condensed Matter (undergraduate-graduate)</li> </ul>	

### 11.1.4 Graduate Courses at Other Universities

- Aristotle University of Thessaloniki, Department of Physics,  
*Graduate Programme in "Materials Physics"*
  - 1998-1999: "Polymer Materials: An Introduction"
  - 1999-2000: "Polymer Materials: An Introduction"
  - 2000-2001: "Polymer Materials: An Introduction"
  - 2001-2002: "Polymer Materials: An Introduction"
  - 2002-2003: "Polymer Materials: An Introduction"
  - 2007-2008: "Polymer Materials: An Introduction"
  
- University of Athens, Department of Chemistry  
*Graduate Programme in "Polymer Science and its Applications"*
  - 1998-1999: "Polymer Surfaces, Interfaces and Thin Films"
  - 1999-2000: "Polymer Surfaces, Interfaces and Thin Films"
  - 2000-2001: "Polymer Surfaces, Interfaces and Thin Films"
  - 2001-2002: "Polymer Surfaces, Interfaces and Thin Films"
  - 2002-2003: "Polymer Surfaces, Interfaces and Thin Films"
  - 2003-2004: "Polymer Surfaces, Interfaces and Thin Films"
  
- Aristotle University of Thessaloniki, Department of Chemical Engineering  
*Interdepartmental Graduate Programme in "Processes and Technology of Advanced Materials"*
  - 1999-2000: "Polymer Dynamics: Microscopic Models of Molecular Motion of Polymers"
  
- Aristotle University of Thessaloniki, Department of Physics  
*Interdepartmental Graduate Programme in "Nanoscience and Nanotechnology"*
  - 2003-2004: "Polymer Interface Fundamentals"
  - 2004-2005: "Polymer Interface Fundamentals"
  - 2005-2006: "Polymer Interface Fundamentals"
  - 2006-2007: "Polymer Interface Fundamentals"
  - 2007-2008: "Polymer Interface Fundamentals"
  - 2008-2009: "Polymer Interface Fundamentals"
  - 2009-2010: "Polymer Interface Fundamentals"
  - 2010-2011: "Polymer Interface Fundamentals"
  - 2011-2012: "Polymer Interface Fundamentals"
  - 2012-2013: "Polymer Interface Fundamentals"
  - 2013-2014: "Polymer Interface Fundamentals"
  - 2014-2015: "Polymer Interface Fundamentals"
  - 2015-2016: "Polymer Interface Fundamentals"
  - 2016-2017: "Polymer Interface Fundamentals"
  - 2017-2018: "Polymer Interface Fundamentals"
  
- University of Patras, Department of Chemical Engineering  
*Graduate Programme in "Chemical Engineering"*
  - 2003-2004: "Polymer Interface Fundamentals"



## **11.2. DEPARTMENTAL COMMITTEES AT DEPT. OF PHYSICS, UNIVERSITY OF CRETE**

### **11.2.1 Summer School in Physics**

*Chairman* of the Organizing Committee of the 1994 Heraklion Advanced Physics Summer School  
*Chairman* of the Organizing Committee of the 1996 Heraklion Advanced Physics Summer School  
*Chairman* of the Organizing Committee of the 1997 Heraklion Advanced Physics Summer School  
*Chairman* of the Organizing Committee of the 1998 Heraklion Advanced Physics Summer School  
*Co-Chairman* of the Organizing Committee of the 2000 Heraklion Advanced Physics Summer School  
 Member of the Organizing Committee of the 1993 Heraklion Advanced Physics Summer School  
 Member of the Organizing Committee of the 1995 Heraklion Advanced Physics Summer School  
 Member of the Organizing Committee of the 2001 Heraklion Advanced Physics Summer School  
 Member of the Organizing Committee of the 2002 Heraklion Advanced Physics Summer School  
 Member of the Organizing Committee of the 2003 Heraklion Advanced Physics Summer School

### **11.2.2. University Senate**

Department of Physics Representative to the University Senate 1993 – 1994  
 Department of Physics Representative to the University Senate 2000 – 2001

### **11.2.3. Other Committees**

Member of the Qualifying Exams Committee 1993 – 2005

## **11.3. ADMINISTRATIVE AND DEPARTMENTAL COMMITTEE DUTIES AT ARISTOTLE UNIVERSITY OF THESSALONIKI**

*Alternate Chairman* of the Department of Chemical Engineering: 09/2007 – 10/2008

*Member* of the Departmental Committee on Evolvement, Planning and Organization: 03/2007 – 10/2008

*Department Representative* to the Interdepartmental Graduate Programme in “Processes and Technology of Advanced Materials”: 12/2005 – 10/2008

## **11.4. DEPARTMENTAL COMMITTEES AT DEPT. OF CHEMISTRY, UNIVERSITY OF CRETE**

*Member* of the Departmental Committee on Graduate Studies: 09/2010 – 08/2016

*Alternate Member* of the University Committee on Graduate Studies: 09/2010 – 08/2016

## **11.5. UNIVERSITY COMMITTEE DUTIES AT UNIVERSITY OF CRETE**

*Member* of the Quality Assurance Committee of the University of Crete: 01/2009–

*Vice Chairman* of the Technical Council of the University of Crete: 02/2011–10/2016

*Member* of the Committee on New Technologies of the University of Crete: 07/2016–

*Vice Chairman* of the Committee on Research Morality and Ethics of the University of Crete: 07/2018–

**11.4. STUDENT SUPERVISION**

<b>Doctorates (Ph.D.'s)</b>		
Dr. Sabine Vogt	Ph.D. 1994	Univ. of Mainz, Germany (with E. W. Fischer and G. Fytas) now BASF Aktiengesellschaft, Ludwigshafen, Germany
Dr. Tao Jian	Ph.D. 1995	Univ. of Athens, Greece (with G. Fytas) then Univ. of Calgary, Canada now Microflex Corp., Reno, NV, USA
Dr. K. Karatasos	Ph.D. 1997	Univ. of Crete (with G. Fytas), then Leeds Univ., Free Univ. of Brussels, Univ. of Crete presently Associate Professor, Univ. of Thessaloniki, Greece
Dr. K. Chrissopoulou	Ph.D. 2000	Univ. of Patras (with G. Fytas), then Collège de France, presently Researcher C, FO.R.T.H., Greece
Dr. H. Retsos	Ph.D. 2001	Univ. of Crete, then Univ. of California at Santa Barbara, USA then Institute of Structural Biology, Grenoble, France then E.S.P.C.I., Paris, France presently Athens School of Fine Arts
Dr. A. Rissanou	Ph.D. 2003	Univ. of Crete (with I. Bitsanis), then Demokritos Research Center, Athens, Greece, presently Inst. of Applied & Computational Mathematics, FO.R.T.H.
Dr. E. Karaiskos	Ph.D. 2006	Univ. of Patras (with I. Bitsanis, C. Toprakcioglu), presently High School Physics Teacher
Dr. M. Lygeraki	Ph.D. 2006	Univ. of Patras (with C. Toprakcioglu) presently High School Physics Teacher
Dr. E. Pavlopoulou	Ph.D. 2009	Univ. of Crete, then Princeton University presently Maître de Conférences, ENSCBP-Bordeaux INP
Dr. A. Stassinopoulos	Ph.D. 2009	Univ. of Crete (with D. Anglos)
Mr. V. Katsamanis	Ph.D. Candidate	Univ. of Crete (with M. Vamvakaki) (he dropped out)
Dr. S. Fotiadou	Ph.D. 2012	Aristotle Univ. of Thessaloniki, presently High School Physics Teacher
Mr. S. Bollas	Ph.D. Candidate	Univ. of Patras (with C. Toprakcioglu)
Dr. M. Stylianakis	Ph.D. 2014	Univ. of Crete presently Technical Educational Institute of Crete
Dr. F. Krasanakis	Ph.D. 2015	Univ. of Crete (with M. Vamvakaki)
Dr. H. Papananou	Ph.D. 2017	Univ. of Crete presently Univ. of California at Santa Barbara
Ms. A. Karagiorgou	Ph.D. Candidate	Univ. of Crete (she dropped out)
Dr. M. Fryssali	Ph.D. 2017	Univ. of Crete presently Plastika Kritis S.A.
Ms. K. Androulaki	Ph.D. Candidate	Univ. of Crete
Mr. N. Vassilakis	Ph.D. Candidate	Univ. of Crete (he dropped out)
Mr. E. Antonakis	Ph.D. Candidate	Univ. of Crete (he dropped out)
Mr. L. Papoutsakis	Ph.D. Candidate	Univ. of Crete
Mr. A. Anagnostakis	Ph.D. Candidate	Univ. of Crete

<b>Masters (M.Sc.'s)</b>		
Mr. A. Koumoutsakos	M.Sc. 1997	Univ. of British Columbia (with S. Hatzikiriakos, D. Vlassopoulos)
Mr. M. Kapnistos	M.Sc. 1998	Univ. of Crete (with D. Vlassopoulos), then Univ. of California at Santa Barbara, presently FO.R.T.H.
Ms. M. Lygeraki	M.Sc. 2001	Univ. of Patras (with C. Toprakcioglu) presently Ph.D. Candidate
Ms. M. Psyllaki	M.Sc. 2002	Univ. of Crete (with D. Anglos), then Univ. of Leicester, presently INTRAKOM
Mr. L. Papoutsakis	M.Sc. 2002	Univ. of Crete, presently FO.R.T.H.
Ms. I. Sapountzaki	M.Sc. Candidate	Univ. of Crete, B.S. 1999 (she dropped out)
Mr. B. Katsamanis	M.Sc. 2003	Univ. of Crete, then Greek Army, then Ph.D. Candidate Univ. of Crete
Ms. K. Piperaki	M.Sc. 2004	Univ. of Crete (with D. Anglos)
Mr. A. Stassinopoulos	M.Sc. 2005	Univ. of Crete (with D. Anglos), then Ph.D. 2009 Univ. of Crete

Ms. I. Altintzi	M.Sc. 2005	Univ. of Crete
Mr. A. Afratis	M.Sc. 2005	Univ. of Crete
Ms. D. Palioura	M.Sc. 2005	Univ. of Crete
Ms. K. Karagianni	M.Sc. 2005	Univ. of Crete
Ms. I. Andrianaki	M.Sc. 2006	Univ. of Crete
Ms. E. Papananou	M.Sc. 2009	Aristotle Univ. of Thessaloniki (with K. Chrissopoulou)
Mr. D. Tragoudaras	M.Sc. 2009	Aristotle Univ. of Thessaloniki (with K. Karatasos)
Ms. D. Petousi	M.Sc. 2011	Aristotle Univ. of Thessaloniki
Ms. K. Androulaki	M.Sc. 2013	Univ. of Crete
Ms. M. Vergaki	M.Sc. 2015	Univ. of Crete (with M. Vamvakaki)
Mr. V.-S. Petrakis	M.Sc. 2015	Univ. of Crete (with V. Harmandaris)
Mr. A. Anagnostakis	M.Sc. 2017	Univ. of Crete
Ms. I. Epitropaki	M.Sc. 2018	Aristotle Univ. of Thessaloniki
Mr. D. Chatzogiannakis	M.Sc. Candidate	Univ. of Crete
Ms. G. Nikolakakou	M.Sc. Candidate	Univ. of Crete
Mr. S. Kogchylakis	M.Sc. Candidate	Univ. of Crete

<b>Undergraduate Senior Thesis</b>		
Mr. M. Psarros	Senior Thesis	Univ. of Crete (with G. Hadziioannou), B.S. 1994
Ms. M. Triantafyllou	Senior Thesis	Univ. of Crete, B.S. 1995
Mr. M. Kapnistos	Senior Thesis	Univ. of Crete (with D. Vlassopoulos), B.S. 1996
Mr. D. Kastritsios	Senior Thesis	Univ. of Crete (with G. Hadziioannou), B.S. 1996
Ms. C. Diamanti	Senior Thesis	Univ. of Crete (with G. Hadziioannou), B.S. 1996
Mr. L. Papoutsakis	Senior Thesis	Univ. of Crete, B.S. 1998
Ms. C. Lagiou	Senior Thesis	Univ. of Crete, B.S. 1998
Ms. I. Margiolaki	Senior Thesis	Univ. of Crete, B.S. 1999, then Ph.D. Univ. of Sussex, then ILL
Ms. A. Messaritaki	Senior Thesis	Univ. of Crete, B.S. 1999, then Univ. of Bristol, then Univ. of Bath
Ms. S. Papapostolou	Senior Thesis	Univ. of Crete, B.S. 2000
Ms. X. Thanailaki	Senior Thesis	Univ. of Crete, B.S. 2001, then National Tech. Univ. of Athens
Mr. A. Stassinopoulos	Senior Thesis	Univ. of Crete (with D. Anglos), B.S. 2002, then Ph.D. 2009 U. of Crete
Ms. T. Afchoudia	Senior Thesis	Univ. of Crete, B.S. 2003, then M.Sc. Univ. of Crete
Ms. N. Koufaki	Senior Thesis	Univ. of Crete, B.S. 2007, then M.Sc. Univ. of Crete
Ms. C. Karageorgaki	Senior Thesis	Arist. Univ. of Thessaloniki, B.S. 2009, presently ETH Zurich
Ms. D. N. Loufakis	Senior Thesis	Arist. Univ. of Thessaloniki, B.S. 2009, presently Virginia Tech, USA
Mr. V.-S. Petrakis	Senior Thesis	Univ. of Crete, B.S. 2012
Ms. A. Papandroulaki	Senior Thesis	Univ. of Crete, B.S. 2016
Ms. E. Spiliopoulou	Senior Thesis	Univ. of Crete, B.S. 2016, presently Deloitte, U.K.
Mr. S. Leisch	Senior Thesis	Univ. of Crete, B.S. 2017
Mr. D. Chatzogiannakis	Senior Thesis	Univ. of Crete, B.S. 2017
Ms. D. Kazaryan	Senior Thesis	Univ. of Crete, B.S. 2017
Ms. C. Christodoulou	Senior Thesis	Univ. of Crete, B.S. 2018
Mr. E. Modatsos	Senior Thesis	Univ. of Crete, B.S. 2018
Ms. E. Paspali	Senior Thesis	Univ. of Crete

### **11.5. POST-DOCTORAL FELLOW SUPERVISION**

Dr. J. Li	Ph.D. 1992, Univ. of Mainz	1993-1994 (with G. Fytas and D. Vlassopoulos)
Dr. B. Factor	Ph.D. 1992, Stanford Univ.	1994
Dr. W. Theobald	Ph.D. 1994, Univ. of Mainz	1994-1995 (with G. Fytas and D. Vlassopoulos)
Dr. N. Boudenne	Ph.D. 1994, Univ. of Strasbourg	1995 (with G. Fytas)
Dr. K. Kunz	Ph.D. 1995, Univ. of Mainz	1996-1997
Dr. B. Loppinet	Ph.D. 1995, Univ. Joseph Fourier, Grenoble	1996-1999 presently Researcher B, FO.R.T.H., Greece
Dr. R. Seghrouchni	Ph.D. 1994, Univ. of Strasbourg	1996 (with G. Fytas and D. Vlassopoulos)
Dr. M. Vamvakaki	Ph.D. 1997, Univ. of Sussex	2001-2004
Dr. E. Tylianakis	Ph.D. 1997, Univ. of Crete	2001-2002
Dr. K. Karatasos	Ph.D. 1997, Univ. of Crete	2002-2003
Dr. K. Chrissopoulou	Ph.D. 2000, Univ. of Patras	2002-2006
Dr. G. Kaklamani	Ph.D. 2012, Univ. of Birmingham	2014-

Dr. K.C. Vasilopoulos	Ph.D. 2009, Aristotle U. of Thessaloniki	2014-2015
Dr. M. E. Kalyva	Ph.D. 2008, Univ. of Patras	2014-2015
Dr. E. Glynos	Ph.D. 2007, Univ. of Edinburgh	2015-

## **12. DEPARTMENT OF MATERIALS SCIENCE AND TECHNOLOGY, UNIV. OF CRETE**

*Alternate Scientific Coordinator* of the Department of Materials Science and Technology: 1998-2004

- Proposal to the Ministry of Education for the establishment of the Department
- Preparation of the Project Plan for funding by the Ministry of Education
- Preparation of the Departmental Curriculum
- Proposal to the Ministry of Education for the funding of the Instrumentation of the Department
- Organization of the Bidding Procedure and the Acquisition of the Instrumentation of the Department

*Alternate Chairman* of the Department of Materials Science and Technology: 1999-2004

- Organization of the Department
- Day-to-day Running of the Department
- Recruitment of Quality Candidates for Faculty
- Opening of 3 positions in the rank of Professor (3 elected, 1 serving)
- Opening of 2 positions in the rank of Associate Professor (2 elected, 2 serving)
- Opening of 3 positions in the rank of Associate or Assistant Professor (3 elected in the rank of Associate Prof.)
- Opening of 1 position in the rank of Assistant Professor (1 elected)
- Opening of 3 positions (Associate/Assistant Professor; Assistant Professor; Assistant Professor/Lecturer)
- Request of 1 position in the rank of Assistant Professor or Lecturer
- Request of 1 position in the rank of Professor
- Opening of 1 position for a Laboratory Technician (1 elected, 1 serving)
- Assignment of the teaching load to the selected Teaching Personnel

*Representative* of the Department of Materials Science and Technology to the University Senate: 1999-2004

- Presentation of the positions of the Department to the University Senate

*Representative* of the Department of Materials Science and Technology to the School of Sciences and  
Engineering: 1999-2004

- Presentation of the positions of the Department to the School of Sciences and Engineering

**13. REVIEWER FOR SCIENTIFIC JOURNALS AND FUNDING ORGANIZATIONS**

Referee for International Journals:

*Nature*  
*Science*  
*Physical Review Letters*  
*Macromolecules*  
*Journal of the American Chemical Society*  
*Langmuir*  
*Journal of Chemical Physics*  
*Journal de Physique (Paris)*  
*Journal of Polymer Science: Polymer Physics*  
*Polymer*  
*Macromolecular Chemistry & Physics*  
*Colloid and Polymer Science*  
*Polymer Engineering Science*  
*Physical Review B*  
*Physical Review E*  
*European Physical Journal E - Soft Matter*  
*European Polymer Journal*  
*Advanced Composite Letters*  
*Physical Chemistry Chemical Physics*  
*Journal of Nanoparticle Research*  
*Soft Matter*  
*Composites: Part A*  
*Journal of Physical Chemistry*  
*Chemical Communications*  
*Journal of Materials Chemistry*  
*International Journal of Nanotechnology*  
*Journal of Nanostructured Polymers & Nanocomposites*  
*Journal of Adhesion Science and Technology*  
*Applied Physics A*  
*Applied Clay Sciences*  
*Materials Chemistry and Physics*

Adjudicator for International Journals:

*Macromolecules*

Referee for Funding Organizations:

*National Science Foundation, U.S.A.*  
*Greek General Secretariat for Research and Technology*  
*European Science Foundation*  
*European Union*  
*Research Council of Norway*  
*Fondazione Cariplo Scientific Research Unit, Italy*  
*Romanian National Research Council (CNCS)*  
*National Centre for Research and Development (NCBR), Poland*

Member of the Thematic Committee on Materials for Operational Programme for Industrial Development  
(Greek General Secretariat for Research and Technology)

Member of the Final Awarding Committee for Operational Programme for Industrial Development  
(Greek General Secretariat for Research and Technology)

## **14. ORGANIZATION OF SCIENTIFIC CONFERENCES**

### International Conference Organizer and Chairman:

1. “Interfacial Behavior in Polymer and Colloidal Systems”, European Science Foundation Conference, Aghia Pelaghia Crete, Greece, 18-23 September 1999. [[http://www.esf.org/esf\\_euresco\\_conference.php?language=0&domain=1&conference=1&meeting=5](http://www.esf.org/esf_euresco_conference.php?language=0&domain=1&conference=1&meeting=5)]
2. “Quality Nano Conference and Training Workshop”, Heraklion Crete, 15-17 July 2015. [<http://www.qualitynano.eu/conference/welcome.html>]
3. “European Technology Platform Nanomedicine Annual Event 2016”, 12-14 October 2016. [<http://www.etpn2016.eu/>]
4. “2nd Israel-Greece Joint Meeting on Nanotechnology and BioNanoScience”, 25-28 October 2016. [<http://www.iesl.forth.gr/conferences/ignbn2016/>] (co-chairman)
5. “Eurofillers and Polymer Blends 2017”, Heraklion Crete, 23-27 April 2017. [<http://eurofillers2017.iesl.forth.gr/>]
6. “European Polymer Congress 2019 (EPF 2019)”, Heraklion Crete, 9-14 June 2019. [<http://www.epfcrete2019.org/>]

### International Symposium Organizer and Chairman:

1. Symposium FF: “Interfaces, Adhesion, and Processing in Polymer Systems” Materials Research Society Spring 2000 Meeting, San Francisco, CA, 24-27 April 2000. <http://www.mrs.org/meetings/spring2000/cfp/symposia/ff.html>

### National Conference Organizer and Chairman:

1. 5th Panhellenic Polymer Conference, Heraklion Crete, Greece, 15-17 December 2001 (co-chairman)
2. 11th Hellenic Polymer Society International Conference, Heraklion Crete, Greece, 3-5 November 2016

### Key-Member of the Organizing Committee of International Conferences:

1. “First Greek-French Polymer Workshop”, Heraklion Crete, Greece, May 1996 (co-chairman)
2. “European Polymer Federation Symposium on Polymeric Materials”, EPF-96, Aghia Pelaghia Crete, Greece, October 1996
3. “3rd International Workshop on Nanosciences and Nanotechnologies”, NN06, Thessaloniki, Greece, July 2006
4. “The 11th *International Conference on Properties and Phase Equilibria for Product and Process Design*”, PPEPPD, Heraklion Crete, Greece, May 2007 (Member of Local Organizing Committee)
5. “4th International Workshop on Nanosciences and Nanotechnologies”, NN07, Thessaloniki, Greece, July 2007 (Secretary)
6. “Condensed Matter Physics Conference of Balkan Countries”, Mugla, Turkey, May 2008 (Member of International Scientific Committee)
7. “5th International Workshop on Nanosciences and Nanotechnologies”, NN08, Thessaloniki, Greece, July 2008 (Secretary)
8. “6th International Workshop on Nanosciences and Nanotechnologies”, NN09, Thessaloniki, Greece, July 2009 (co-chairman)
9. “Synchrotron Radiation in Polymer Science 4”, SRPS-IV, Rolduc Abbey, Kerkrade, The Netherlands, September 2009 (member of the International Advisory Committee)
10. “7th International Workshop on Nanosciences and Nanotechnologies: Workshop 1 on Organic Electronics, Photonics and Nanoelectronics”, NN10, Ouranoupolis, Greece, July 2010 (Workshop 1 organizer)
11. “3rd International Symposium on Transparent Conductive Materials”, TCM 2010, Heraklion Crete, Greece, October 2010 (Member of International Advisory Committee)
12. “8th Panhellenic Polymer Conference on Polymer Science and Technology honoring Professor Nikos Hadjichristidis”, Heraklion Crete, Greece, October 2010 (Member of Scientific Committee)
13. “8th International Workshop on Nanosciences and Nanotechnologies: Workshop 2 on Nanomaterials, Nanofabrication, nanoengineering & Nanoconstruction”, NN11, Thessaloniki, Greece, July 2011 (Workshop 2 organizer)
14. “3<sup>rd</sup> Russian – Hellenic Symposium on Polymeric Biomaterials and Bionanomaterials: Recent Advances Safety and Toxicology (BIONANOTOX 2012)”, Heraklion Crete, Greece, May 2012 (Co-President of the Conference)

15. “9th International Workshop on Nanosciences and Nanotechnologies: Workshop 2 on Nanomaterials, Nanofabrication, nanoengineering & Nanoconstruction”, NN12, Thessaloniki, Greece, July 2012 (Workshop 2 organizer)
16. “5<sup>th</sup> International Conference ‘Micro & Nano 2012’ on Micro - Nanoelectronics, Nanotechnologies and MEMS”, Kokkini Hani, Heraklion Crete, Greece, October 2012.
17. “10th International Workshop on Nanosciences and Nanotechnologies: Workshop 2 on Nanomaterials, Nanofabrication, nanoengineering & Nanoconstruction”, NN13, Thessaloniki, Greece, July 2013 (Workshop 2 organizer)
18. “11th International Workshop on Nanosciences and Nanotechnologies: Workshop 2 on Nanomaterials, Nanofabrication, nanoengineering & Nanoconstruction”, NN14, Thessaloniki, Greece, July 2014 (Workshop 2 organizer)
19. “12th International Workshop on Nanosciences and Nanotechnologies: Workshop 2 on Nanomaterials, Nanofabrication, nanoengineering & Nanoconstruction”, NN15, Thessaloniki, Greece, July 2015 (Workshop 2 organizer)
20. “13th International Workshop on Nanosciences and Nanotechnologies: Workshop 2 on Nanomaterials, Nanofabrication, nanoengineering & Nanoconstruction”, NN16, Thessaloniki, Greece, July 2016 (Workshop 2 organizer)
21. “14th International Workshop on Nanosciences and Nanotechnologies: Workshop 2 on Nanomaterials, Nanofabrication, nanoengineering & Nanoconstruction”, NN17, Thessaloniki, Greece, July 2017 (Workshop 2 organizer)
22. “15th International Workshop on Nanosciences and Nanotechnologies: Workshop 2 on Nanomaterials, Nanofabrication, nanoengineering & Nanoconstruction”, NN18, Thessaloniki, Greece, July 2018 (Workshop 2 organizer)



## **15. OTHER ACTIVITIES**

*President* of the European Polymer Federation (EPF): Elected 02/2017 for 2018-2019

*National Representative* to the Horizon 2020 Programme Committee Configuration on Research Infrastructures: 02/2014-now

*National Representative* to the Materials, Physics & Nanosciences Domain Committee of the European Cooperation in Science & Technology (COST): 02/2011-09/2014

*Member of the Executive Group* of the Materials, Physics & Nanosciences Domain Committee of the European Cooperation in Science & Technology (COST): 09/2011-09/2014

*Chairman* of the Hellenic Polymer Society (EA.E.II.): 12/2012-now

*Secretary* of the Hellenic Polymer Society (EA.E.II.): 2006-2012

*Chairman of the Board of Directors* of the Maganing Company of the Science and Technology Park of Crete (STEP-C): 2010-now

*Member of the Board of Directors* of the Maganing Company of the Science and Technology Park of Crete (STEP-C): 2002-2010

*Member of the Board of Directors* of the Association for Research, Technology and Training (A.R.T.T. – non-profit organization): 1994-2012

*External Examiner* on Ph.D. Committees: University of Patras, Department of Chemical Engineering  
University of Patras, Department of Chemistry  
University of Patras, Department of Physics  
University of Crete, Department of Chemistry  
Aristotle Univ. of Thessaloniki, Dept. of Chem. Engineering  
University of Cyprus, Department of Chemistry  
Ecole Polytechnique Fédérale de Lausanne, Dept. of Chemistry

*External Referee* on Promotion Committees: University of Patras, Dept. of Physics  
University of Crete, Dept. of Chemistry (before joining)  
University of Ioannina, Dept. of Physics  
University of Ioannina, School of Mining Eng. & Metallurgy  
National Technical Univ. of Athens, Dept. of Metallurgy  
Institute of Chemical Engineering and High Temperature Processes (ICE/HT-Patras)  
Chemical Process Engineering Research Institute (CPERI)

## **16. PERSONAL**

Date of Birth: January 4, 1961      Place of Birth: Serres, Greece  
Marital Status: Married      Spouse: Ekaterini Karydis  
Children: Haralambos (boy, born October 29, 1993); Alice (girl, born October 5, 1995)