

30/5/2024

**CURRICULUM VITAE**

**GEORGE A. FLOUDAS**

University of Ioannina  
Department of Physics  
P.O. Box 1186  
451 10 Ioannina, Greece  
E-mail: [gfloudas@uoi.gr](mailto:gfloudas@uoi.gr)

## **PERSONAL INFORMATION**

Family name, First name: Floudas, George  
Researcher unique identifier(s) (ORCID, Research ID: 0000-0003-4629-3817)  
Nationality: Greek  
Date of birth: 17/08/1961  
URL for web site: <http://softmatter.physics.uoi.gr/>

## **EDUCATION**

1990 PhD, Physics, University of Crete, Greece.  
1985 Master, Physics, Rensselaer Polytechnic Institute (RPI), Troy, USA.  
1983 BSc, Physics, University of Thessaloniki, Greece.

## **CURRENT POSITION(S)**

2007 – today Professor, Physics, University of Ioannina, Greece.  
2007 – today Senior Visiting Scientist, Max Planck Institute for Polymer Research, Mainz, Germany.

## **PREVIOUS POSITIONS**

2001 - 2006 Associate Professor, Physics, University of Ioannina, Greece.  
2002 – 2012 Collaborating Senior Scientist, FORTH-Biomedical Research Institute, Ioannina, Greece.  
2012 Sabbatical leave - Max Planck Institute for Polymer Research, Mainz.  
1994 – 2000 Assistant and Associate Researcher, Inst. of Electronic Structure and Laser (IESL), Foundation for Research and Technology-Hellas (FORTH), Greece.  
1992 – 1994 Staff Scientist, Max Planck Institute for Polymer Research, Mainz (Polymer Physics Group), Mainz, Germany.  
1991 – 1992 Postdoc, Imperial College, Dept. of Chemical Engineering, London, UK.

## **AWARDS, HONORS AND SCIENTIFIC RECOGNITION**

2007 Award by the Association for the Promotion of the Max Planck Institute for Polymer Research, Mainz, Germany.  
2007 – today Senior Visiting Scientist, Max Planck Institute for Polymer Research, Mainz, Germany.  
2002 – today Member (elected) of the Board of the International Dielectric Society (IDS) (<http://the-dielectric-society.org/board>).  
2019 – today Director of the University of Ioannina Research Institute of Materials Science and Computing  
2014 – 2017 Member of the National Council for R&T- Discipline Physical Sciences  
2011 - 2014 Member of the National Council for R&T- Discipline Physical Sciences  
2008 –today Member of Editorial Board for “Colloid and Polymer Science”  
2009 –today Member of Editorial Board for “Macromolecules Chemistry and Physics”  
2018 – today Member of the editorial board for “Polymers”.  
2006 - 2012 Member (elected) of the Board of the Greek Polymer Society.  
1999 Basic Research Grant, Empeirikeion Foundation.

## **SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS**

2001 – today 8 Postdocs / 13 PhD students / 8 Master students, University of Ioannina, Greece.

1995 – 2000 3 Postdocs / 2 Master students, Inst. of Electronic Structure and Laser (IESL), FORTH, Greece.

## **INSTITUTIONAL RESPONSIBILITIES**

2021- : Dean, School of Sciences, University of Ioannina

2019 - : Director of the University of Ioannina Research Institute of Materials Science and Computing

2017-2020: Director of Graduate studies in Physics.

2001- today: Head of the soft-matter lab at the UoI

## **CURRENT TEACHING ASSIGNMENTS**

BSc courses at the Physics department: Solid State Physics I, Solid State Physics II, Introduction to Polymer Physics, Introduction to Materials Science.

MSc courses: Experimental Physics Lab course

## **ORGANISATION OF SCIENTIFIC MEETINGS**

**2019:** APS-2019 Focus session on “Confined Polymer Glasses”, Boston U.S.A., co-organizer.

**2017:** APS-2017 Focus session on “Polymer crystallization under confinement”, New Orleans, U.S.A., co-organizer

**2016:** 9<sup>th</sup> International Conference on Broadband Dielectric Spectroscopy, Pisa, Italy.  
Member of the International Advisory Board

**2014:** 8<sup>th</sup> International Dielectric Society meeting on Dielectric Spectroscopy, Madrid, Spain,  
Member of the International Advisory Board

**2013:** 12<sup>th</sup> European Conference on Liquid Crystals, Rhodes, Greece  
Member of Organizing Committee

**2012:** Polymer Blends, San Sebastian, Spain  
Member of the International Advisory Board

**2012:** GrapHEL conf. on Synthesis, Characterization and Applications of Graphene,  
Member of the International Advisory Board

**2012:** 7<sup>th</sup> International Dielectric Society meeting on Dielectric Spectroscopy, Leipzig, Germany, Member of the International Advisory Board

**2010:** Polymer Blends, Dresden, Germany, Member of the International Advisory Board

**2010:** 6<sup>th</sup> International Dielectric Society meeting on Dielectric Spectroscopy, Madrid, Spain,  
Member of the International Advisory Board

**2008:** 6<sup>th</sup> International Dielectric Society meeting on Dielectric Spectroscopy, Lyon, France,  
Member of the International Advisory Board

**2006:** 4<sup>th</sup> International Dielectric Society meeting on Dielectric Spectroscopy, Poznan, Poland,  
France, Member of the International Advisory Board

**2004:** 3<sup>th</sup> International Dielectric Society meeting on Dielectric Spectroscopy, Delft, The Netherlands, Member of the International Advisory Board

**2002:** 2<sup>th</sup> International Dielectric Society meeting on Dielectric Spectroscopy, Leipzig, German, Member of the International Advisory Board

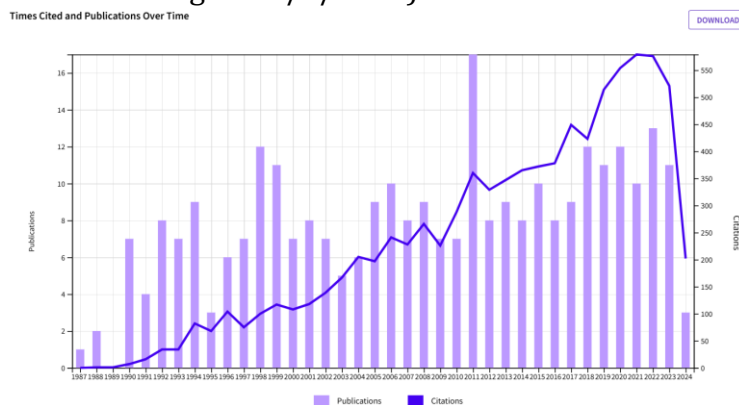
**2001:** 4<sup>th</sup> International Discussion Meeting on Relaxations in Complex Systems (4IDMRCS), Crete, Greece, co-organizer

### COMMISSIONS OF TRUST

2011 –2023 Member of the Greek National Council for R&T (Discipline Physics/Materials/Chemistry).  
2015 – today Member of the council of Research and Innovation for the Region of Epirus, Greece.  
2013 Member of the selection committee for the IESL-FORTH Director.  
2000–today: Member of PhD evaluation committees; Universities: Mainz, Leipzig (Germany), Valencia (Spain), Umea (Sweden), Cyprus, Ioannina, Patras, Athens Heraklion (Greece).

### RESEARCH RECORD

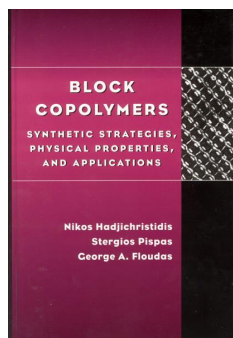
**276 papers in peer-reviewed journals, Citations~ 8790 (7360 excluding self-citations), h-index=52** (ISI Web of Knowledge – 30/5/2024).



*Journal publications per year / Citations*

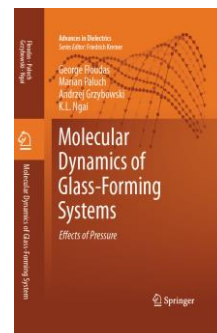
Distribution of papers: Macromolecules (114), J. Chem. Phys. (30), Biomacromolecules (5), JACS (5), Nano Letters (2), ACS Nano (2), Adv. Mater. (1), PRL (5), PRB (1), PRE (5), Soft Matter (5), J. Phys. Chem. B (14), Polymer (9), Progr. Polym. Sci. (1), Macromol. Chem. Phys. (3), Macromol. Rapid. Commun. (3), Europh. Lett. (4), ACS Appl. Mat. Int. (4), Angew. Chem. Int. Ed. (2), etc.

Book authoring: Co-author of 2 books, 1 book editing, 5 Invited chapters in books



[1] N. Hadjichristidis, S. Pispas, G. Floudas  
“Block Copolymers.  
Synthetic Strategies, Physical Properties and Applications  
J. Wiley and Sons Inc.(2002), ISBN: 0-471-39436-X (print)

[2] G. Floudas, M. Paluch, A. Grzybowski, K.L. Ngai  
“Molecular Dynamics of Glass-Forming Systems. Effects of Pressure” Springer 2011, ISBN-13: 978-3-642-04901-9, ISBN-10: 364204901X.



Presentations: 200 presentations (>65 Invited) at international scientific meetings, >70 invited lectures at universities and research centers. Organizer/co-organizer of 15 international scientific conferences.

Reviewer for more than 30 journals:

Reviewer for: DOE (2016, 2022), ERC-AdG (2015), National Science Foundation (NSF) (USA) (1997-2010, 2013, 2014, 2015, 2017, 2018, 2019, 2020, 2022), DFG – Germany (2016, 2017), NATO (1998), GSRT (2005), Greek Ministry for Research and Education (Herakleitos II, 2009), Research Committee University of Patras (2009, 2013), French National Research Agency (ANR) (2009), Research Promotion Foundation of Cyprus (2010, 2011), Polish National Science Center (Calls: Preludium, Opus, Sonata, Sonatina) (2016, 2017, 2018, 2019).

- European Soft Matter Infrastructure (EUSMI): Proposal reviewer (2018 -2021 ).
- Fonds de la Recherche Scientifique FNRS (Belgium) (2023).
- Israel Science Foundation (2024).

### **SPECIFIC CONTRIBUTIONS OF THE PI'S RESEARCH**

1. First implementation of the thermodynamic variable *pressure* (*Book#2*) in identifying (i) segmental and chain dynamics in type-A polymers, (ii) segmental dynamics in miscible polymer blends, (iii) phase diagram of Discotic Liquid Crystals of nanographenes.
2. First realization of self-ordered AAO templates for studying homogeneous nucleation of confined polymers and of confined water.
3. Block copolymer phase state and dynamics as a function of copolymer architecture (*Book#1*).

### **INVITED LECTURES (selected from >50)**

Workshop on Dynamics in Disordered Materials, Dortmund (2019); 13<sup>th</sup> International Symposium on Polymer Physics PP'2018, Xi'an, China (2018); ACS Meeting, New Orleans, USA, (2018); 10<sup>th</sup> International Conference on Broadband Dielectric Spectroscopy and its Applications, Brussels, Belgium (2018); 8<sup>th</sup> Int. Discussion Meeting on Relaxations in Complex Systems (8IDMRCS), Wisla, Poland (2017); KAUST Research Conference: Polymers – Designing Macromolecules for Applications (2017); Ring Polymers: Advances and Perspectives, Hersonissos Crete, (2017); 9<sup>th</sup> Int. Conf. on Broadband Dielectric Spectroscopy and its Applications, Pisa, Italy (2016); APS Meeting, Baltimore, USA, (2016); 12<sup>th</sup> International Symposium on Polymer Physics PP'2016, Guiyang, China (2016); Workshop of the Institute of Chemistry Chinese Academy of Sciences (ICASS)-MPIP, Beijing (2015); European Polymer Federation-EPF2015, Dresden (2015); Ring Polymers: Advances and Perspectives, Hersonissos Crete (2015); 13<sup>th</sup> Lahnwitzseminar on Calorimetry, Rostock, Germany (2014); 8<sup>th</sup> Int. Conf. on Broadband Dielectric Spectroscopy and its Applications, Wisla, Poland (2014); 7<sup>th</sup> Int. Discussion Meeting on Relaxations in Complex Systems, (7IDMRCS) Barcelona, Spain (2013); 7<sup>th</sup> Int. Conf. on Broadband Dielectric Spectroscopy and its Applications, Leipzig, Germany (2012); IUPAC World Polymer Congress, Blacksburg, Virginia, USA (2012); NATO-ARW on Broadband Dielectric Spectroscopy and its Applications, Perpignan, France (2011); International Symposium on Polymer Physics PP'2010, Ji'nan, China (2011); 6<sup>th</sup> Int. Conf. on Broadband Dielectric Spectroscopy and its Applications, Madrid, Spain (2010); 6<sup>th</sup> International

Discussion Meeting on Relaxations in Complex Systems (6IDMRCS), Rome (2009); 5<sup>th</sup> Int. Conf. on Broadband Dielectric Spectroscopy and its Applications, Lyon, France (2008).

### MAJOR COLLABORATIONS

- H.-J. Butt (MPI-P, Mainz): Surface/interfacial characterization of soft matter.
- M. Doi (Beihang University, Beijing, China): theory on polymer imbibition in nanopores.
- J. Zhou (Beihang University, Beijing, China): SCFT calculations on polymer imbibition in nanopores.
- V. Harmandaris (University of Crete): Atomistic simulations of the segmental and global polymer dynamics.
- K. Kremer (MPI-P, Mainz): MD simulations on the segmental and chain relaxation of polymers.
- K. Landfester (MPI-P, Mainz): Polymer crystallization in nanocapsules.
- M. Retsch (Bayreuth): Confined water crystallization in hollow silica spheres.
- M. Vogel (Darmstadt): Confined water relaxation in silica nanochannels.
- M. Steinhart (University of Osnabrück): Electrochemical anodization of aluminum substrates (AAO).
- R. Graft, H.W. Spiess (MPI-P, Mainz): Solid state NMR on polymer dynamics.
- K. Müllen (MPI-P, Mainz): Synthesis of (a) polymers bearing ultra-strong dipoles perpendicular to the backbone, (b) Discotic liquid crystals of nano-graphenes, and (c) semifluorinated alkanes.
- K. Matyjaszewski (Carnegie Mellon University): Synthesis (via ATRP) of block copolymers.
- Y. Geerts (Université Libre de Bruxelles): Synthesis of benzothiophene derivatives.
- U. Scherf (University of Wuppertal): Synthesis of polythiophene derivatives.

**Other (current and former) collaborations include:** F. Kremer (Leipzig), G. Williams (Swansea), A. Schönhals (Berlin), Hadjichristidis (Athens/KAUST), H.-A. Klok (EPFL), G. Fytas (Heraklion/Mainz), S. Pispas, E. Kamitsos (NHRF, Athens), D. Vlassopoulos (FORTH), M. Pitsikalis, G. Sakellariou, H. Iatrou (Athens), J. Kallitsis (Patras), P.E. Keivanidis (Cyprus University of Technology), A. Avgeropoulos (Ioannina), G. Papageorgiou (Ioannina), D. N. Bikiaris (Thessaloniki), J.E.G. Lipson (Dartmouth), J. Hofkens (Leuven), U. Wiesner (Cornell University), E.P. Giannelis (Cornell), R. Colby (Penn State), J. Runt (Penn State), R. Diaz-Calleja (Valencia), I. Alig (Darmstadt), A.N. Semenov (Strasburg), A. Khokhlov (Moscow), I. Erukhimovich (Moscow), B. Chu (Stony Brook), M. Antonietti (Berlin), G. Reiter (Freiburg), G. Wegner, T. Pakula<sup>+</sup>, E.W. Fischer<sup>+</sup>, M. Stamm, M. Kappl, M. Mezger, K. Koynov, S. Wu, G. Auernhammer, M. Klapper, K. Wunderlich, M. Baumgarten, F. Laquai, X. Feng, W. Pisula, D. Crespy (Mainz).

## **A. PAPERS IN REFEREED JOURNALS**

### [0] Doctoral Thesis

Title: "Density, Concentration and Orientation Fluctuations in Dense Polymer Systems and Polymer Solutions as Studied by Dynamic Light Scattering and Complementary Techniques" University of Crete, Dept. of Physics, Heraklion 1990.

**1985**

[1] J. Schroeder\*, G.A. Floudas, M.A. Stiller, M.G. Drexage; "Pockels' Elasto-optic Coefficients and Brillouin Linewidths in Halide Glasses"

**Materials Science Forum 6,577,1985.**

**1987**

[2] J. Schroeder\*, L.G. Hwa, M.C. Shyong, G.A. Floudas, D.A. Thompson, M.G. Drexage; "Brillouin Scattering and Phonon Attenuation in Halide Glasses: Stimulated Brillouin Emission"

**Electronics Letters 23,1128,1987.**

**1988**

[3] J. Schroeder\*, V.G. Tsoukala, G.A. Floudas, D.A. Thompson; "Optical Studies of Glass Stability in Fluoride Glass Systems: Intrinsic Rayleigh Scattering"

**J. Non-Cryst. Solids 102,295,1988.**

[4] G. Fytas\*, G. Floudas, N. Hadjichristidis; "Optical Anisotropy of Linear and Star Polyisoprene by Depolarized Rayleigh Scattering"

**Polymer Commun. 29,322,1988.**

**1990**

[5] G. Floudas, G. Fytas\*, B. Momper, E. Saiz; "Optical Anisotropy as an Index of Polymer Microstructure in Poly(phenylmethyl siloxane) chains"

**Macromolecules 23,498,1990.**

[6] G. Fytas\*, G. Floudas, K.L. Ngai; "Density and Concentration Fluctuations in Plasticized Poly(cyclohexyl methacrylate)"

**Macromolecules 23,1104,1990.**

[7] G. Floudas, A. Lappas, G. Fytas\*, G. Meier; "Optical Anisotropy and Orientational Dynamics of Polycarbonate Dilute Solutions"

**Macromolecules 23,1747,1990.**

[8] G. Floudas, A. Patkowski, G. Fytas\*, M. Ballauff; "Optical Anisotropies of Nematogens from the Depolarized Rayleigh Spectra"

**J. Phys. Chem. 94,3215,1990.**

[9] G. Fytas\*, J. Kanetakis, G. Floudas, C.H. Wang; "Hypersonic Dispersion in Compatible Poly(ethylene oxide)/Poly(methyl methacrylate) Mixtures"

**Polymer Commun. 31,434,1990.**

[10] G. Fytas\*, A. Rizos, G. Floudas, T.P. Lodge; "Solvent Mobility in Polystyrene/Aroclor Solutions by Depolarized Rayleigh Scattering"

**J. Chem. Phys. 93,5096,1990.**

[11] G. Floudas\*, W. Steffen, G. Fytas; "Solvent Reorientation in Polystyrene/Aroclor and Polystyrene/DOP Systems"

**J. Physics C 2,SA307,1990.**

**1991**

[12] G. Floudas, G. Fytas\*, E.W. Fischer; "Relaxation Processes in Poly(cyclohexyl methacrylate)/Additive Systems as Studied by Photon Correlation Spectroscopy, Dielectric and Mechanical Relaxation"  
**Macromolecules 24,1955,1991.**

[13] G. Floudas\*, G. Fytas; "Dynamic Light Scattering from a Polymer/Additive System"  
**J. Non-Cryst. Solids 131-133,579,1991.**

[14] G. Floudas, G. Fytas\*, I. Alig; "Brillouin Scattering from Bulk Polybutadiene. Distribution of Relaxation Times vs Single Relaxation Time Approach"  
**Polymer 32,2307,1991.**

[15] E. Saiz, G. Floudas, G. Fytas\*; "Optical Anisotropy and Conformational Analysis of Styrene-Methyl Methacrylate Block Copolymers in Dilute Solution"  
**Macromolecules 24,5796,1991.**

### 1992

[16] G. Floudas\*, G. Fytas, W. Brown; "Solvent Mobility in Poly(methyl methacrylate)/Toluene Mixtures Studied by Dynamic Light Scattering"  
**J. Chem. Phys. 96,2164,1992.**

[17] G. Floudas\*, J.S. Higgins, G. Fytas; "Dynamics of the Glass-forming Liquid Di-2-ethylhexyl Phthalate as Studied by Light Scattering and Neutron Scattering"  
**J. Chem. Phys. 96,7672,1992.**

[18] J. Gapinski, G. Fytas\*, G. Floudas; "Evidence of Fast Diffusive Process in a Mixed Polymeric Glass"  
**J. Chem. Phys. 96,6311,1992.**

[19] G. Floudas\*, J.S. Higgins; "Ester Methyl Group Rotation in Poly(methyl methacrylate) and in the Blend Solution Chlorinated Polyethylene/Poly(methyl methacrylate). A Quasielastic Neutron Scattering Study"  
**Polymer 33,4121,1992.**

[20] G. Floudas\*, J.S. Higgins, F. Kremer, E.W. Fischer; "Dynamics of a Polymer/Diluent System as Studied by Dielectric Spectroscopy and Neutron Scattering"  
**Macromolecules 25,4955,1992.**

[21] G. Floudas\*, J.S. Higgins; "Quasielastic Neutron Scattering from a Polymer Blend in the One- and Two-Phase Region"  
**Physica B 182,361,1992.**

[22] W. Brown\*, K. Mortensen, G. Floudas; "Screening Lengths in Concentrated Polystyrene Solutions in Toluene Determined using SANS and SAXS"  
**Macromolecules 25,6904,1992.**

### 1993

[23] G. Floudas\*, W. Steffen, L. Giebel, G. Fytas; "Polymer and Solvent Dynamics in a Polystyrene/Di-2-ethylhexyl Phthalate Concentrated Solution"  
**Progr. Colloid & Polym. Sci. 91, 124,1993.**

[24] G. Floudas\*, J.S. Higgins, A. Burgess; "Incoherent Quasielastic Neutron Scattering Study of a Glass-Forming Liquid. A Mode Coupling Interpretation"  
**Progr. Colloid & Polym. Sci. 91, 28,1993.**

[25] F. Stieber, G. Floudas, I. Alig, G. Fytas\*; "Structural Relaxation in a Low Molecular Weight Poly(methylphenyl Siloxane)"  
**Progr. Colloid & Polym. Sci. 91, 162,1993.**

[26] G. Floudas\*, J.S. Higgins, G. Meier, F. Kremer, E.W. Fischer; "Dynamics of Bisphenol-A-Polycarbonate as Studied by Neutron Scattering and Dielectric Spectroscopy"  
**Macromolecules 26, 1676,1993.**



[27] G. Floudas\*, T. Pakula, M. Stamm, E.W. Fischer; "Density Fluctuations in Bisphenol-A-Polycarbonate and Tetramethyl Bisphenol-A-Polycarbonate as Studied by X-Ray Diffraction"

**Macromolecules 26, 1671,1993.**

[28] G. Floudas\*, W. Steffen, W. Brown, E.W. Fischer; "Solvent and Polymer Dynamics in Polystyrene/Toluene Concentrated Solutions"

**J. Chem. Phys. 99, 695,1993.**

[29] G. Floudas\*, S. Vogt, T. Pakula, E.W. Fischer; "Density and Concentration Fluctuations in a Poly(styrene-b-phenylmethylsiloxane) Block Copolymer as Studied by SAXS"

**Macromolecules 26,7 210,1993.**

#### 1994

[30] G. Floudas\*, T. Pakula, E.W. Fischer; "Density and Concentration Fluctuations in Plasticized Poly(cyclohexyl methacrylate) As Studied by X-ray Diffraction"

**Macromolecules 27,917,1994.**

[31] A.D. Vilesov, G. Floudas, T. Pakula\*, E. Melenevskaya, T.M. Birshtein, Y.V.Lyatskaya; "Lamellar Structure Formation in the Mixture of two Cylinder-Forming Block Copolymers"

**Makromol. Chem. 195,2317,1994.**

[32] G. Floudas\*, T. Pakula, E.W. Fischer, N. Hadjichristidis, S. Pispas; "Ordering Kinetics in a Symmetric Diblock Copolymer"

**Acta Polymer., 45,176,1994.**

[33] G. Floudas; "Solvent Friction in Concentrated Polystyrene Solutions"

**J. Non-Cryst. Solids, 729,172-174,1994.**

[34] G. Floudas\*, A. Rizos, W. Brown, K.L. Ngai; "Dynamics in Concentrated Solutions of Poly(methylmethacrylate)/Bis(2-ethylhexylphthalate)"

**Macromolecules 27,2719,1994.**

[35] D.J. Plazek, C.A. Bero, S. Neumeister, G. Floudas, G. Fytas, K.L. Ngai\*; "Viscoelastic Properties of Amorphous Polymers 3: Low Molecular Weight Poly(methylphenylsiloxane)"

**Colloid & Polym. Sci. 272,1430,1994.**

[36] A. Rizos\*, G. Floudas, W. Brown; "Local and Global Motions in Concentrated Solutions of Poly(methyl methacrylate)/bis(2-ethylhexyl phthalate)"

**J. Non-Cryst. Solids 790,172-174,1994.**

[37] G. Floudas\*, N. Hadjichristidis, H. Iatrou, T. Pakula, E.W. Fischer; "Microphase Separation in Model 3-Miktoarm Star Copolymers (Simple Graft) and Terpolymers. 1. Statics and Kinetics"

**Macromolecules 27,7735,1994.**

#### 1995

[38] G. Floudas\*, G. Fytas, N. Hadjichristidis, M. Pitsikalis; "Metastable States Below the Order-Disorder Transition in a Symmetric Diblock Copolymer. A Time-Resolved Depolarized Light Scattering Study"

**Macromolecules 28,2359,1995.**

[39] G. Floudas\*, G. Fytas, N. Hadjichristidis, S. Pispas, T. Pakula, A. Khokhlov; " Statics and Dynamics of End-Functionalized Diblock Copolymers"

**Macromolecules 28,5109,1995.**

[40] G. Floudas\*, P. Placke, P. Stepanek, W. Brown, G. Fytas, K.L. Ngai; "Dynamics of the Strong Polymer of Laurylmethacrylate below and above  $T_g$ "

**Macromolecules 28,6799,1995.**

#### 1996

[41] G. Floudas\*, D. Vlassopoulos, M. Pitsikalis, N. Hadjichristidis, M. Stamm; "Order-Disorder Transition and Ordering Kinetics in Binary Diblock Copolymer Mixtures of Styrene and Isoprene"

**J. Chem. Phys. 104,2083,1996.**

[42] K. Karatasos, S.H. Anastasiadis\*, G. Floudas, G. Fytas, S. Pispas, N. Hadjichristidis, T. Pakula; "Composition Fluctuation Effects on the Dielectric Normal Mode Relaxation in Diblock Copolymers"

**Macromolecules 29,1326,1996.**

[43] G. Floudas\*, N. Hadjichristidis, H. Iatrou, T. Pakula; "Microphase Separation in 3-Miktoarm Star Copolymers and Terpolymers.2. Dynamics"

**Macromolecules 29,3139,1996.**

[44] G. Floudas\*, S. Pispas, N. Hadjichristidis, T. Pakula, I. Erukhimovich; "Microphase Separation in Star Block Copolymers of Styrene and Isoprene. Theory, Experiment and Simulation"

**Macromolecules 29,4142,1996.**

### 1997

[45] K.L. Ngai\*, G. Floudas, A. Rizos; " Distribution of Relaxation Times of Optically Anisotropic Supercooled Liquids studied by Depolarized Light Scattering"

**J. Chem. Phys. 106,6957,1997.**

[46] G. Floudas\*, N. Hadjichristidis, Y. Tselikas, I. Erukhimovich; "Microphase Separation in Model 4-Miktoarm Star Copolymers of the A3B type"

**Macromolecules 30,3090,1997.**

[47] G. Floudas\*, N. Hadjichristidis, M. Stamm, A. Likhtman, A.N. Semenov; "Microphase Separation in Block Copolymer/Homopolymer Mixtures. Theory and Experiment"

**J. Chem. Phys. 106,3318,1997.**

[48] G. Floudas\*, C. Tsitsilianis; "Crystallization Kinetics of Poly(ethylene oxide) in Poly(ethylene oxide)-Polystyrene-Poly(ethylene oxide) Triblock Copolymers"

**Macromolecules 30,4381,1997.**

[49] I. Alig, G. Floudas\*, A. Avgeropoulos, N. Hadjichristidis; "Junction Point Fluctuations of Microphase Separated Polystyrene-Polyisoprene-Polystyrene Triblock Copolymer Melts. A Dielectric and Rheological Investigation"

**Macromolecules 30,5004,1997.**

[50] G. Floudas\*, S. Paraskeva, N. Hadjichristidis, G. Fytas, B. Chu, A.N. Semenov; "Dynamics of Polyisoprene in Starblock Copolymers Confined in Microstructures. A Dielectric Spectroscopy Study"

**J. Chem. Phys. 107,5502,1997.**

[51] L. Petychakis, G. Floudas\*; G. Fleischer "Global Dynamics of Polyisoprene Confined in Porous Media. A Dielectric Spectroscopy Study"

**Europhysics Letters, 40,685,1997.**

### 1998

[52] T. Nicolai\*, G. Floudas "Dynamics of Poly(oxypropylene) Diols and Triols studied by Dielectric Spectroscopy and Rheology"

**Macromolecules, 31,2578,1998.**

[53] G. Floudas\*, T. Pakula, G. Velis, S. Sioula, N. Hadjichristidis "Equilibrium Order-to-Disorder Transition in Block Copolymers"

**J. Chem Phys. 108,6498,1998.**

[54] V. Arrighi\*, J.S. Higgins, A.N. Burgess, G. Floudas

"Local Dynamics of Poly(dimethyl siloxane) in the presence of Reinforcing Filler Particles"

**Polymer, 39,6369,1998.**

[55] G. Floudas\*, I. Alig, A. Avgeropoulos, N. Hadjichristidis

"Dynamic Probe of the Interface in Microphase Separated Block Copolymers of the type (BA)<sub>3</sub>B(AB)<sub>3</sub>. A Dielectric Spectroscopy Study"

**J. Non-Cryst., 235-237, 485,1998.**

- [56] I. Alig\*, S. Tadjbakhsh, G. Floudas\*, C. Tsitsilianis  
 “Viscoelastic Contrast and Kinetic Frustration During Poly(ethylene oxide) Crystallization in a Homopolymer and a Triblock Copolymer. Comparison of Ultrasonic and Conventional Rheology”  
**Macromolecules**, **31**,6917,1998.
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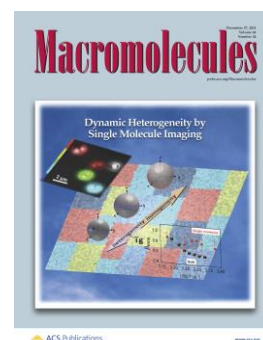
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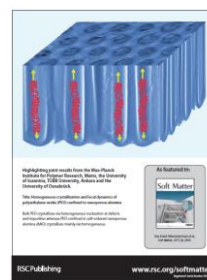
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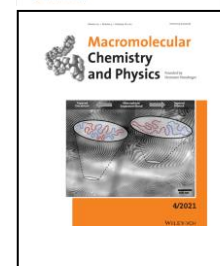
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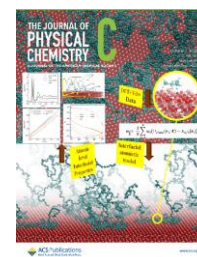
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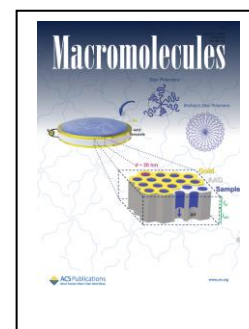
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 b. "Solvent and Polymer Dynamics in Concentrated Polymer Solutions"  
 c. "Local Dynamics in Polymers. Effects of Blending and of Additives"  
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- [29] "Ordering Kinetics in Block Copolymers"  
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- [36] "Local and Global Dynamics in Model Graft and Star Block Copolymers"

*Workshop on non equilibrium Phenomena in Supercooled Fluids, Glasses and Amorphous Materials*, Pisa, Italy (1995).

[37] "Self-Assembly of End-Functionalized Block Copolymers"  
*69th ACS Meeting*, Salt Lake City, U.S.A. (1995).

[38] a. "Microphase Separation in Non-Linear Block Copolymers" (Oral presentation).

b. "Dynamics of Model Star Block Copolymers"

*Theoretical Challenges in the Dynamics of Complex Fluids*, Newton Institute, Cambridge UK (1996).

[39] a. "Order-disorder Transition and Ordering Kinetics in Model Block Copolymers" (Oral presentation).

b. "Microphase Separation in Block Copolymers. Dynamics"

c. "Solution and Solid State Properties of Linear Block Copolymers with Zwitterionic End Groups"  
*Greek-French Polymer Workshop*, Heraklion (1996).

[40] "Order-Disorder Transition in Non-linear Block Copolymers and Block Copolymer Blends"  
*Advanced Research Workshop*, Il Ciocco, Italy (1996)

[41] "Microphase Separation in Model Block Copolymers studied by Rheology" (Oral Presentation)  
*XIIth Int. Congr. on Rheology*, Quebec City, Canada (1996)

[42] "Self-assembly in Non-Linear Block Copolymers" (Oral Presentation)  
*XIIth Hellenic Symposium in Solid State Physics*, Heraklion (1996)

[43] a. "Microphase Separation in Block Copolymer/Homopolymer Blends. Theory and Experiment"

b. "Microphase Separation in Model Non-Linear Block Copolymers. Statics, Kinetics and Dynamics"

c. "Crystallization Kinetics of Poly(ethylene oxide) in Poly(ethylene oxide)-Polystyrene-Poly(ethylene oxide) Triblock Copolymers"

*European Polymer Federation Symposium on Polymeric Materials*, Aghia Pelaghia, Crete (1996).

[44] "Order-Disorder Transition in Star Block Copolymers"

*Rheology/Chain Structure Relationships in Polymers*, Cambridge, UK (1996) (**Invited Speaker**)

[45] a. "Microphase Separation in Model Block Copolymers" (Oral Presentation)

b. "Junction Point Fluctuations in Microphase Separated Polystyrene-Polyisoprene-Polystyrene Triblock Copolymers"

*Deutsche Physikalische Gesellschaft*, Munster, Germany (1997).

[46] "Self-Assembly in Block Copolymers. Phase State and Dynamics"

*1st Hellenic Symposium of Chemical Engineering*, Patras (1997) (Oral Presentation)

[47] "Microphase Separation in Non-Linear Block Copolymers"

*8th Meeting of the European Macromolecular Club*, University of Leiden, The Netherlands (1997) (**Invited Speaker**).

[48] a. "Dynamics of Block Copolymers Confined in Microstructures" (**Invited Speaker**)

b. "Global Dynamics of Polyisoprene Confined in Porous Media. A Dielectric Spectroscopy Study"

c. "Dynamic Probe of the Interface in Lamellar Forming Non-Linear Block Copolymers of the type (BA)<sub>3</sub>B and (BA)<sub>3</sub>B(AB)<sub>3</sub>, using Dielectric Spectroscopy"

d. "Dynamics of Linear and Cross-Linked Poly(propylene oxide) studied with Dielectric Spectroscopy and Rheology"

*3rd International Discussion Meeting on Relaxations in Complex Systems*, Vigo, Spain (1997).

[49] "Equilibrium Order-to-Disorder Transition in Model Block Copolymers" (**Invited Speaker**)

*International Workshop on the Structure and Dynamics of Complex Fluids under Shear Flow*, Mainz, Germany (1997).

[50] "Dynamic Probe of the Interface in Block Copolymers. A Dielectric Spectroscopy Study"

*4th International Symp. on Polymers for Advanced Technologies (PAT-97)*, Leipzig, Germany (1997).

[51] "Rheology of the Miscible Polymer Blends Polystyrene/poly(vinyl methyl ether) and poly(methyl methacrylate)/poly(styrene-co-acrylonitrile)"

*69th Annual Meeting of the Society of Rheology*, Columbus Ohio, USA (1997).

- [52] "Dynamics of Structure Formation in Linear and Star Block Copolymers Composed of Semicrystalline Blocks in Confined Space" (Oral Presentation)  
*4th Hellenic Polymer Symposium, Patras (1997).*
- [53] "Comparison of Ultrasonic and Conventional Rheology during Crystallization and Melting in bulk PEO and in the Triblock PEO-PS-PEO"  
*Deutsche Physikalische Gesellschaft, Bayreuth, Germany (1998).*
- [54] "Equilibrium Order-to-Disorder Transition Temperature in Block Copolymers" (Oral Presentation)  
*191. WE-Heraeus Seminar on Structured Polymer Systems: Self-Assemblies, Heteropolymers and Networks, Bad- Honnef, Germany (1998).*
- [55] "Dynamics of Structure Formation in Miktoarm Star Copolymers Composed of Two Crystallizable Blocks"  
*Gordon Research Conference, Polymer Physics, Salve Regina University, Newport, RI (1998).*
- [56] a. "Equilibrium Order-to-Disorder Transition Temperature in Block Copolymers" (Oral Presentation)  
b. "Structure and Dynamics of Structure Formation in Model Miktoarm Star Copolymers Composed of two Crystallizable Blocks" (Oral Presentation)  
c. "Comparison of Ultrasonic and Conventional Rheology During Crystallization and Melting of Poly(ethylene oxide) and a Triblock Copolymer with Polystyrene: Viscoelastic Contrast and Kinetic Frustration"  
*216<sup>th</sup> ACS Meeting, Boston (1998).*
- [57] "Microphase Separation in Poly(isoprene-b-ethylene oxide) Diblock Copolymer. Phase State and Dynamics of Order-to-Order Transitions" (Oral Presentation)  
*2<sup>nd</sup> Hellenic Society of Rheology Meeting, Heraklion (1998).*
- [58] "Relation of Segmental and Terminal Chain Dynamics in Miscible Polymer Blends"  
*Centennial APS March Meeting, Atlanta, USA (1999).*
- [59] "Dynamics of Order-to-Order Transitions in Block Copolymers" (Oral Presentation)  
*Europhysics Conference, Eurorheo 99-1, Sophia-Antipolis (1999).*
- [60] "Segmental and Chain Dynamics of Polyisoprene in Homopolymer/Block Copolymer Blends" (Oral Presentation)  
*Sixth European Symposium on Polymer Blends, Mainz, Germany (1999).*
- [61] "Transformation Dynamics between the Microphases in Block Copolymers"  
(Oral Presentation)  
*2<sup>nd</sup> Hellenic Symposium of Chem. Eng., Thessaloniki (1999)*
- [62] "Phase Transformation Dynamics in Block Copolymer" (**Invited Speaker**)  
*Gordon Research Conference on Elastomers, Networks and Gels, New London, NH, USA (1999)*
- [63] a. "Order-to-order Transitions in Poly(isoprene-ethylene oxide) Diblock Copolymers» (Oral presentation)  
b. "Functionalized Block Copolymers: Synthesis, Structure and Dynamics" (Oral presentation)  
*217<sup>th</sup> ACS Meeting, New Orleans (1999)*
- [64] "Dynamics of model miscible polyolefin blends"  
*The Society of Rheology, 71<sup>st</sup> Annual Meeting, Madison, Wisconsin (1999)*
- [65] "Phase State and Gas Permeation in Polysulfone/Polyimide Blends"  
*Euro- Membrane, Leuven, Belgium (1999)*
- [66] "Component Dynamics in Miscible Polymer Blends"  
*Advanced Studies Institute on Structure and Dynamics of Polymer and Colloidal Systems, Les Houches, France (1999).*
- [67] a. "Effect of Pressure on Homopolymer Dynamics and Blend Compatibility" (**Invited Speaker**) (**Plenary Lecture**)  
b. "Effect of Pressure on the Side-Chain Crystallization of poly(n-octadecyl methacrylate) studied by Dielectric Spectroscopy"

*Dielectric and Related Phenomena, Lodz, Poland (2000).*

[68] "Effect of Pressure on Polymer Crystallization Studied by Dielectric Spectroscopy"

*XVI Symposium on Solid State Physics, Nafplion (2000)*

[69] "Block Copolymer Structure and Dynamics" (Oral Presentation)

*Workshop for Greek-German Joint Research and Technology Programs focused on Materials Research, FORTH, (2000).*

[70] "Shear Induced Crystallization in Poly( $\epsilon$ -caprolactone): Effect of Shear Rate" (Oral Presentation)

*Deutsche Physikalische Gesellschaft (DPG) (2000)*

[71] a. "Effect of Pressure on Polymer Dynamics" (Oral Presentation)

b. "Effect of pressure on the Dynamics of Side-Chain Liquid Crystalline Polymers"

*1<sup>st</sup> International Conference on Dielectric Spectroscopy, DS2001, Jerusalem (2001).*

[72] "Dielectric and Solid State NMR Investigation of the Molecular Dynamics in Poly(p-phenylenes) with Oxyethylene Side Chains"

*Naurod MPI-P Seminar (2001).*

[73] a. "Effect of Pressure on the Segmental and Chain Dynamics of Homopolymers and the Dynamic Heterogeneity in Compatible Polymer Blends" (Oral Presentation)

b. "Effect of Pressure on the Polymer Crystallization"

c. "Local and Chain Dynamics of Polylactides. A Dielectric Spectroscopy Investigation"

d. "Dynamics of Side-Chain Liquid Crystalline Polymers. A T- and P-dependent Dielectric Spectroscopy Study"

*4<sup>th</sup> International Discussion Meeting on Relaxations in Complex Systems, Hersonissos, Crete, (2001).*

[74] "Polyethylene Oxide Crystallization in Poly(isoprene-ethylene oxide) Diblock Copolymers"

*European Conference on Macromolecular Physics - Morphology and Properties of Crystalline Polymers, Eger, Hungary (2001).*

[75] a. "Phase State and Kinetics of Phase Transformation in Poly(ethylene oxide-isoprene) Diblock Copolymers" (Oral Presentation)

b. "Crystallization Kinetics of a Diblock Copolymer Crystallizing from Different Ordered Mesophases"

*IUPAC International Symposium on Ionic Polym., Hersonissos, Crete (2001).*

[76] "Phase Behavior and Kinetics of Phase Transformation in poly(ethylene oxide-b-isoprene) Copolymers" (**Invited Speaker**)

*Stony Brook Symposium in Complex Materials, Stony Brook (2001) (Symposium in honour of Prof. B. Chu on his 70<sup>th</sup> birthday)*

[77] a. "Phase State of Poly(butadiene-b-t-butyl methacrylate) (BBMA) and poly(ethylene-t-butyl methacrylate) (EBMA) and Confined Crystallization in a Soft Polymer Matrix" (Oral Presentation).

b. "Constrained Dynamics in Supramolecular Structures of Poly(p-phenylenes) with ethylene oxide Side Chains. A Combined Dielectric and NMR Investigation" (Oral Presentation)

c. "Stress-Induced  $\beta$ - to  $\alpha$ - in iPP transformation"

*Fifth Greek Polymer Symposium (ELEP), Crete, 2001.*

78] a. "Constrained Dynamics in Supramolecular Structures. A Combined Dielectric and NMR Investigation" (**Invited Speaker- Plenary Lecture**)

b. "Effect of Pressure on the Dynamics of a side-chain Liquid Crystalline Polymer. A Dielectric Spectroscopy Investigation" (Oral Presentation, M. Mierzwa)

*2<sup>nd</sup> International Conference on Broadband Dielectric Spectroscopy and its Applications, Leipzig (2002)*

[79] a. "Self-assembly of rod-coil-rod copolymers based on Peptides"

(Oral Presentation)

b. "Structure and Dynamics of Rigid-rod Polymers with High orientational Order"

*XVII Solid State Physics Symposium, Heraklion, Crete (2002)*

[80] "Structure and Dynamics of Rigid-Rod Polymers"

*5<sup>th</sup> Conference on Basic and Applied Chemical Research, Ioannina (2002) (A. Gitsas).*

- [81] "Self-assembly and dynamics of Poly( $\gamma$ -benzyl-L-glutamate) (PBLG) peptides"  
*Workshop on "Nonlinear Dielectric Phenomena", Ustron, Poland (2003) (Invited Speaker)*
- [82] a. (poster by P. Papadopoulos)  
 b. (poster by K. Mpoukouvalas)  
*EPF 2<sup>nd</sup> Summer-school on Nanostructured Polymer Materials  
 Gargano, Italy (2003)*
- [83] "Self-assembly and dynamics in oligopeptides"  
*Supernet Conference, Spa, Belgium (2003) (Invited Speaker)*
- [84] a. "Structure and dynamics of bulk PBLG peptides and in the triblock copolymers PBLG-PEO-PBLG" (P. Papadopoulos)  
 b. "Phase diagram of poly(methyl-p-tolyl siloxane)" (K. Mpoukouvalas)  
 c. "Structure and dynamics of Nylon 6 in the presence of clay" (E. Ioannou) (Oral presentation)  
 d. "Morphology and mobility in rigid rod polymers" (A. Gitsas) (Oral presentation)  
*XIX Hellenic Solid State Physics and Materials Science Conference, Thessalokini (2003).*
- [85]  $\alpha$ . "Effects of temperature and pressure on the dynamics of hydrogen-bonded polymer blends" (K. Mpoukouvalas)  
 b. "Self-assembly and dynamics of Poly( $\gamma$ -benzyl-L-glutamate) peptides" (P. Papadopoulos)  
*International Workshop on Dynamics in Viscous Liquids, Munchen (2004).*
- [86] "Effect of pressure on the dynamics of systems with high intrinsic orientational order"  
*Supernet Meeting on Multiscale Phenomena in Material Structure Formation Bled, Slovenia (2004) (Invited Speaker)*
- [87] Hierarchical self-assembly of block copolymers based on peptides (Oral presentation),  
*Macro 2004, Paris (2004).*
- [88] "Structure and dynamics of poly( $\gamma$ -benzyl-L-glutamate)-b-polyglycine block copolymers" *Faraday Discussion #128 on Self-Organizing Polymers, Leeds (2004) (P. Papadopoulos).*
- [89] "Effect of pressure on the dynamics of miscible polymer blends/copolymers" (Oral presentation)  
*3<sup>rd</sup> International conference on Broadband Dielectric Spectroscopy and its Applications, Delft, The Netherlands (2004).*
- [90] a. "Effects of temperature and pressure on the structure and dynamics of polymer blends" (Oral presentation)  
 b. "Structure and dynamics of PBLG-PG copolymers (P. Papadopoulos)  
*XX Hellenic Solid State Physics and Materials Science Conference, Ioannina (2004).*
- [91] "Self assembly and dynamics of block copolymers based on poly( $\gamma$ -benzyl-L-glutamate) peptides"  
*Turkish-Greek-German Symposium on Polymers in Material Science and Biology, Istanbul (2004) (Invited Speaker)*
- [92] "Biopolymers under pressure"  
*Workshop on Soft Matter, Odessa, Ukraine (2005).*  
**(Invited Speaker)**
- [93] a. "Temperature and pressure effects on the dynamics of polymer blends" **(Invited Speaker)**  
 b. "Glass transition in peptides. Temperature and pressure effects" (Oral presentation)  
*ACS 229 National Meeting, San Diego CA (2005)*
- [94] "Effects of pressure on blend/copolymer dynamics"  
*Workshop on dynamics of polymer blends, San Sebastian, Spain (2005)*  
**(Invited Speaker)**
- [95] a. "Effects of pressure on homopolymer and blend dynamics" **(Invited Speaker)**  
 b. "Glass transition in peptides" (Oral presentation, P. Papadopoulos).  
*5<sup>th</sup> International Discussion Meeting on Relaxations in Complex Systems, Lille, France (2005).*
- [96] "Effect of confinement on the polymer segmental motion and on ion mobility in PEO/layered-silicate nanocomposites"

*APS March Meeting, Baltimore (2006).*

[97] a. "Hierarchical self-assembly and dynamics in polypeptides" (Oral presentation)

b. "Structure and dynamics in polymer/layered silicates"

*3rd Workshop on Nanosciences & Nanotechnologies (NN06), Thessaloniki (2006).*

[98] a. "Origin of glass transition in polypeptides" (Oral presentation)

b. "Thermodynamics and rheology of cycloolefin copolymers"

*4th IDS and 9th International Conference on Dielectric and Related Phenomena, Poznan, Poland (2006).*

[99] a. "Effects of monomer volume and local packing on the glass-transition dynamics of glass-formers" (Oral presentation).

b. "Glass transition in polypeptides" (Oral presentation).

*IV Workshop on Non-equilibrium Phenomena in Supercooled fluids, Glasses and Amorphous Materials, Pisa, Italy (2006).*

[100]. a. "Influence of pressure on the nanophase separation and dynamics of pODMA-b-ptBA-pODMA triblock copolymer" (Oral presentation, A. Gitsas)

b. "Influence of pressure on the dynamic heterogeneity of compatible polymer blends" (Oral presentation, K. Mpoukouvalas)

c. d.

*XXII Hellenic Solid State Physics and Materials Science Conference, Patras (2006).*

[101] a. "Thermodynamics and Rheology of Cycloolefin Copolymers" (**Invited Speaker**)

b. "Effect of pressure on the dynamic heterogeneity of the compatible blend PMMA/PEO" (Oral presentation, K. Mpoukouvalas)

c. "Self-assembly and molecular dynamics of oligoindenofluorenes" (M. Elmahdy)

d. "Effect of confinement on polymer segmental motion and ion mobility in PEO/layered-silicate nanocomposites" (M. Elmahdy)

e. "The role of temperature and density on the glass-transition dynamics of glass-formers" (K. Mpoukouvalas)

f. "Role of main chain rigidity and side chain substitution on the supramolecular organization and dynamics of rigid-flexible polymers" (A. Gitsas)

g. "Effect of pressure on the confinement and crystallization in pODMA-b-ptBA-b-pODMA triblock copolymers" (A. Gitsas)

h. "Structure and dynamics of lithium neutralized ionic block copolymers" (E. Ioannou)

i. "Structure and dynamics of poly( $\gamma$ -benzyl-L-glutamate)-b-polyglycine diblock copolymers" (P. Papadopoulos)

*6th Hellenic Conference on Polymers, Patras (2006)*

[102] "Polypeptide self-assembly and dynamics" (**Invited Speaker**)

*European Polymer Congress, Portoroz, Slovenia (2007)*

[103] "Polypeptide dynamics" (**Invited Speaker**)

*Meeting the Challenges of the 21st Century & Novel applications of Broadband Dielectric Spectroscopy, Suzdal, Russia (2007).*

[104] a. "Effect of pressure on the dynamic heterogeneity of compatible polymer blends" (Oral presentation)

b. "Self-assembly and dynamics of peptide-functionalized polyphenylene dendrimers" (Oral Presentation)

*ACS 234th National Meeting, Boston MA (2007).*

[105] "Dynamics of PBLG polypeptide nanorods embedded into alumina templates" (Oral presentation Dr. H. Duran)

*E-MRS Fall Meeting, Warsaw, Poland (2007).*

[106] a. "Self-assembly and molecular dynamics in polypeptide functionalized dendrimers" (Oral presentation, A. Gitsas)



- b. "Structure and dynamics of branched hexaalkyl and functionalized hexa-peri-hexabenzocoronenes" (M. Elmahdy)
- c. "Structure and dynamics in copolymers of  $\gamma$ -methyl-L-glutamate and  $\gamma$ -stearyl-L-glutamate" (A. Gitsas)
- d. "Chain architecture effects on the self-organization and dynamics of star shaped copolymers" (A. Gitsas)  
*XXIII Hellenic Solid State Physics and Materials Science Conference, Athens (2007).*
- [107] "Glass transition in discotic liquid crystals- Effects of pressure" (**Invited Speaker**)  
 ESF Exploratory Workshop (EWOG-087) "*Glassy Liquids under Pressure: Fundamentals and Applications*, Ustron, Poland (2007).
- [108] "Discotic Liquid Crystals: Self-assembly, dynamics and kinetics of phase transformations" (**Invited Speaker**)  
*5<sup>th</sup> International Conference on Broadband Dielectric Spectroscopy and its Applications*, Lyon, France (2008)
- [109] a. "Effect of Lithium Salt Concentration on the self-assembly of PEO-based block copolymer electrolytes" (E. Ioannou)
- b. "Self-assembly and dynamics of PBLG embedded into nanoporous alumina templates" (A. Gitsas)
- c. "Self-assembly and dynamics of discotic liquid crystals"
- d. "Effect of architecture on the self-assembly and dynamics of model copolypeptides (A. Gitsas)  
*7<sup>th</sup> Hellenic Polymer Conference, Ioannina (2008).*
- [110] "Effect of Salt Concentration on the self-assembly of PEO-based block copolymer electrolytes" (E. Ioannou)  
*Hybrid Materials*, Tours, France (2009).
- [111] a. "Dynamics of glass-forming systems under pressure" (**Invited Speaker**)
- b. "Self-assembly and dynamics of synthetic polymers and polypeptides by NMR spectroscopy" (Talk by Prof. H.W. Spiess)
- c. "Fluorescence correlation spectroscopy study of molecular probe diffusion in polymer melts" (Oral presentation by Dr. K. Koynov)
- d. "Dielectric spectroscopy of the dynamics in natural rubber-cellulose nanocomposites"  
 (Oral presentation by Prof. Diaz-Calleja)  
*6<sup>th</sup> International Discussion Meeting on Relaxations in Complex Systems, Rome, Italy (2009).*
- [112] "Rheology of polymer dispersed liquid crystals" (Talk by M. Roth)  
*DFG, Regensburg (2010).*
- [113] "Effects of pressure on the dynamic heterogeneity in polymer blends"  
*10<sup>th</sup> European Symposium on Polymer Blends, Dresden (2010).* (Oral presentation)
- [114] "Polypeptide self-assembly and dynamics" (**Invited Speaker**)  
*International Symposium on Polymer Physics PP'2010, Ji'nan, China (2010).*
- [115] a. "Effect of pressure on the dynamic heterogeneity of miscible polymer blends" (**Invited Speaker**)
- b. "Self-assembly and molecular dynamics in nanographenes"  
*6<sup>th</sup> International Conference on Broadband Dielectric Spectroscopy and its Applications, Madrid, Spain (2010).*
- [116] "Polypeptide self-assembly and dynamics in block copolymers" (**Invited Speaker**).  
*8<sup>th</sup> Greek Polymer Society Symposium, Crete (2010).*
- [117] "Combining structure and mechanical properties of colloidal systems"  
*DFG, Dresden (2011)* (Oral presentation by G. Auernhammer).
- [118] "Single molecule twist - New clues to polymer dynamics"  
*Polychar 19, Kathmandu, Nepal (2011)* (Oral presentation by A. Deres).
- [119] "Isotactic polypropylene confined to nanoporous alumina: from heterogeneous to homogeneous nucleation"  
*EPF, Granada (2011)* (Oral presentation by H. Duran).
- [120] "Self-assembly, dynamics and kinetics of structure formation in discotic liquid crystals of nanographenes"

6<sup>th</sup> HSR meeting, June 2011, Athens.

[121] “Self-assembly, dynamics and kinetics of structure formation in discotic liquid crystals of nanographenes” (**Invited Speaker**).

27<sup>th</sup> Panhellenic Conference on Solid State Physics and Materials Science, Cyprus 2011, Limassol.

[122] “Heterogeneous polymer dynamics near  $T_g$  by single molecule spectroscopy” (**Invited Speaker**)  
*Advanced Research Workshop on Broadband Dielectric Spectroscopy and its Advanced Technological Applications*, September 2011, Perpignan, France.

[123] “Soft matter under hard confinement” (**Invited Speaker**)  
*IUPAC World Polymer Congress*, June 2012, Blacksburg, Virginia, USA.

[124] “Liquid Crystals under Confinement”

24<sup>th</sup> International Liquid Crystal Conference, August 19-24, Mainz, 2012. (Oral presentation)

[125] a. “Soft Matter under Hard Confinement” (**Invited Speaker**)

b. “Self-assembly and Dynamics of Discotic Liquid Crystals of Nanographenes” (Ch. Grigoriadis)

c. “Relating conductivity to morphology in Poly(ethylene oxide)/Lithium Triflate polymer electrolytes” (G. Zardalidis)

d. “Effects of Pressure on the Dynamics of PVAc/PEO Miscible Blends” (G. Zardalidis)

7<sup>th</sup> International Conference on Broadband Dielectric Spectroscopy and its Applications, September 3-7, Leipzig (2012).

[126] a. “Discotic Liquid Crystals of Nanographenes: Self-assembly and Dynamics” (**Invited Speaker**)

b. “The role of Local Structure on Controlling the Conductivity in PEO/LiTf Electrolytes” (Oral presentation by G. Zardalidis)

c. “Self-assembly and Dynamics of Discotic Liquid Crystals” (Ch. Grigoriadis)

9<sup>th</sup> Hellenic Polymer Society Conference, CERTH, Thessaloniki, November 2012.

[127] “A combined structural and spectroscopic study of charge generation and recombination in PTB7/PCBM solar cells – the influence of solvent additive on charge formation and decay dynamics”  
*MRS Fall Meeting*, Boston, 2012 (Oral presentation by C. Dyer-Smith).

[128] “Structure/property correlations in perylene diimide organic composites for photovoltaic applications” (Oral presentation by P.E. Keivanidis)

*Electrol'12 6<sup>th</sup> Meeting on molecular electronics*, Grenoble, Dec. 2012.

[129] “Structure-property correlations in blend films of perylene diimide:polymer composites for photovoltaic applications” (Oral presentation by P. Keivanidis)

*Hybrid and Organic Photovoltaics Conference*, Seville, Spain, May 2013.

[130] “Understanding the structure/property dependence in polymeric composites of perylene diimides for photovoltaic applications” (Oral presentation by P. Keivanidis)

2<sup>nd</sup> International Congress on Advanced Materials, Zhenjiang, China 16-19 May 2013.

[131] a. “Heterogeneous Polymer Dynamics near  $T_g$  by Single Molecule Spectroscopy” (**Invited Speaker**)

b. “Dynamic heterogeneity and phase separation kinetics in PVAc/PEO blends by local dielectric spectroscopy” (Talk by T. Corrales)

c. “Effect of Confinement on Polymer Crystallization” (Y. Suzuki, Poster)

7<sup>th</sup> International Discussion Meeting on Relaxations in Complex Systems, Barcelona, Spain, July 2013.

[132] “Confined 1,4 cis Polyisoprenes within Self-Ordered Anodic Aluminum Oxide Effect on the Segmental and Global Dynamics” (Poster by S. Alexandris)

*XXIX Panhellenic Conference on Solid-State Physics and Materials Science*, 22-25 September 2013, Athens (Greece)

[133] a. “Self-assembly and Dynamics of Discotic Liquid Crystals of Nanographenes” (Oral presentation)

b. “Self – assembly and dynamics of nanographenes containing flexible PEG chains” (Poster by G. Zardalidis)

c. “Self- assembly and dynamics of benzothiophene derivatives” (Poster by C. Grigoriadis)

12<sup>th</sup> European Conference on Liquid Crystals, Rhodes, 2013

- [134] "Structure-Property Correlations in Blend Films of Perylene Diimide Excimeric Solar Cells" (Oral presentation by P.E. Keivanidis)  
*2013 MRS Fall Meeting, Boston.*
- [135] "Structure-Property Correlations in Blend Films of Perylene Diimide Excimeric Solar Cells" (Oral presentation by P.E. Keivanidis)  
*SPIE "Physical Chemistry of Interfaces and Nanomaterials XIII" Conference, San Diego.*
- [136] "Soft Matter under Hard Confinement: from Heterogeneous to Homogeneous Nucleation and to the Glass Temperature" (**Invited Speaker**)  
*13<sup>th</sup> Lahnwitzseminar on Calorimetry 2014, Rostock*
- [137] a. "Local composition and dynamic heterogeneity in polymer blends" (**Invited Speaker**)  
b. "Effect of Confinement on Polymer Crystallization and on the Local Polymer Dynamics" (Talk by Y. Suzuki)  
c. "The role of size and charge delocalization in dissociation and charge transport in solvents of low polarity" (Poster by G. Zardalidis)  
d. "Dynamics of cis-1,4 Polyisoprene and 1,4 Polybutadiene confined to Nanoporous Alumina" (Poster by A. Alexandris)  
e. "Dielectric properties of organic photovoltaics based on polymer:perylene diimide blends" (Poster by A. Iosifidis)  
*8<sup>th</sup> International Conference on Broadband Dielectric Spectroscopy and its Applications, September 14-19, Wisla, Poland (2014).*
- [138] "Dynamics of cis-1,4 Polyisoprene and 1,4 Polybutadiene confined to Nanoporous Alumina" (Poster by A. Alexandris)  
*XXIX Panhellenic Conference on Solid-State Physics and Materials Science, September 2014, Heraklion, Crete (Greece)*
- [139] a. "Soft matter under hard confinement" (Oral presentation)  
b. "Pore Diameter Dependence and Segmental Dynamics of Poly(Z-L-lysine) Peptides Confined to Nanoporous Alumina" (Talk by Eyluel Tuncel)  
*2014 MRS Fall Meeting, Boston.*
- [140] a. "Soft matter under hard confinement" (**Invited Speaker**)  
b. "Effect of confinement on polymer crystallization and the liquid-to-glass temperature" (Poster by Y. Suzuki)  
c. "The role of size and charge delocalization in dissociation and charge transport in solvents of low polarity" (Poster by G. Zardalidis)  
d. "Polymorphism of benzothiophene derivatives under confinement" (Poster by S. Alexandris)  
*10<sup>th</sup> Hellenic Polymer Society Conference, Patras, December 2014.*
- [141] a. "How different is water crystallization from polymer crystallization under confinement?" (Oral presentation).  
b. "Polymer crystallization under confinement" (Oral presentation by Y. Suzuki)  
*APS Meeting, San Antonio, USA, March 2015.*
- [142] "Influence of chain topology on polymer crystallization: Ring vs. linear Chains" (**Invited Speaker**)  
*Ring Polymers: Advances and Perspectives, Hersonissos Crete, July 2015.*
- [143] "Soft Matter under Hard Confinement" (**Keynote lecture**)  
*European Polymer Federation-EPF2015, Dresden, July 2015.*
- [144] "How different is water crystallization from polymer crystallization under confinement?" (**Invited Speaker**)  
*2<sup>nd</sup> Workshop on Progress in Bio- and Nanotechnology (BioNanoWorkshop 2015), Lodz, Poland.*
- [145] a. "Influence of structure and dynamics on the ionic conductivity of new solid polymer electrolytes" (Poster by A. Pipertzis)

- b. "Designing Molecules for Organic Photovoltaics: The case of Hexasubstituted Benzenes carrying Ultrastrong Dipole Moments" (Poster by V. Margaritis)
- c. "Polymethacrylates with Polyhedral Oligomeric Silsesquioxane Moieties (POSS): The Influence of Spacer Length on Packing, Thermodynamics and dynamics" (Poster by G. Papamokos)
- d. "Capillary Rise in Cylindrical Nanoconfinement of cis-1,4 Polyisoprene and Poly(methyl phenyl siloxane)" (Poster by S. Alexandris)  
*XXXI Panhellenic Conference on Solid-State Physics and Materials Science, September 2015, Thessaloniki.*
- [146] "How different is water crystallization from polymer crystallization under confinement?" (**Invited Speaker**)  
*Workshop of the Institute of Chemistry Chinese Academy of Sciences (ICASS)-MPIP, Beijing October 2015.*
- [147] "Soft matter under hard confinement" (**Invited Speaker**)  
*Workshop on Self-assembly in Soft Matter, Patras, 2015.*
- [148] a. "Effect of Architecture on Polymer Crystallization. Ring polymers" (**Invited Speaker**)  
 b. "Pore Diameter Dependence and Segmental Dynamics of Poly-Z-L-lysine and Poly-L-alanine Confined in 1D Nano-cylindrical Geometry" (Oral presentation by E. Tuncel)  
*APS Meeting, Baltimore, USA, March 2016.*
- [149] a. «Polymer crystallization under confinement» (**Invited Speaker**)  
 b. "Effect of polymer architecture on crystallization under confinement" (by Yang Yao)  
*12<sup>th</sup> International Symposium on Polymer Physics PP'2016, Guiyang, China (2016).*
- [150] "How different is water crystallization from polymer crystallization under confinement?" (**Invited Speaker**)  
*7<sup>th</sup> Hellenic Symposium on Thermal measurements and analysis, Ioannina, 2016.*
- [151] a. "Water confined in nanoporous alumina: Ice nucleation, kinetics and dynamics" (**Invited Speaker**)  
 b. "Effect of polymer architecture on crystallization under confinement" (Poster by Yang Yao)  
*9<sup>th</sup> International Conference on Broadband Dielectric Spectroscopy and its Applications, September 11-16, Pisa, Italy (2016).*
- [152] "Polymers confined to nanoporous alumina: infiltration kinetics and dynamics" (Oral presentation)  
*11<sup>th</sup> Hellenic Polymer Society Conference, Heraklion, December 2016.*
- [153] "How different is water crystallization from polymer crystallization under confinement" (**Invited Speaker**)  
*KAUST Research Conference: Polymers – Designing Macromolecules for Applications, February, 2017*
- [154] a. "Interfacial Energy and Glass Temperature of Polymers Confined to Nanoporous Alumina" (Oral presentation)  
 b. "Effects of polydispersity, additives, and impurities on the crystallization of semi-crystalline polymers confined to nanoporous alumina" (Oral presentation by Y. Suzuki)  
 c. "Effect of chain topology on crystallization within nanoporous alumina. (Oral presentation by Y. Yao)  
*APS Meeting, New Orleans, USA, March 2017.*
- [155] "Interfacial Energy and Glass Temperature of Polymers Confined to Nanoporous Alumina" (**Invited Speaker**)  
*8<sup>th</sup> International Discussion Meeting on Relaxations in Complex Systems, Wisla, Poland, July 2017.*
- [156] "Influence of chain topology on polymer crystallization: Ring vs. linear Chains" (**Invited Speaker**)  
*Ring Polymers: Advances and Perspectives, Hersonissos Crete, September 2017.*
- [157] a. «Polymer imbibition and dynamics in nanopores» (**Invited Speaker**)  
 b. "Effect of topology on polymer crystallization under confinement" (Oral presentation by Yang Yao)  
*13<sup>th</sup> International Symposium on Polymer Physics PP'2018, Xi'an, China (2018).*
- [158] "Polythiophene-based polyelectrolytes from polymerized ionic liquids" (Oral presentation)  
*APS Meeting, Los Angeles, USA, March 2018.*

- [159] "Segmental dynamics in multi-cyclic polystyrenes" (**Invited Speaker**)  
*ACS Meeting, New Orleans, USA, March 2018.*
- [160] "Dynamics of capillary imbibition of poly(ethylene oxide) melts in nanoporous alumina" (Oral presentation, Yang Yao)  
*Szigmondy Colloquium, Mainz, April 2018.*
- [161] "Effect of chain topology on segmental dynamics" (**Invited Speaker**)  
*10<sup>th</sup> International Conference on Broadband Dielectric Spectroscopy and its Applications, August 25-29, Brussels, Belgium (2018).*
- [162] "Polymer dynamics under 2D nanometer confinement"  
*APS Meeting, Boston, USA, March 2019* (Oral presentation).
- [163] "What determines the T<sub>g</sub> (and dc-conductivity) in polymerized ionic liquids with a conjugated backbone" (**Invited Speaker**)  
*Workshop on Dynamics in Disordered Materials, Dortmund (2019).*
- [164] "Ionic and Local Electric Polarization Effects in Polymers" (**Invited Speaker**)  
*APS Meeting, Denver, USA, March 2020* (the meeting was cancelled).
- [165] "Polymers under 2D confinement. In situ monitoring of the imbibition of polymers in nanopores by nanodielectric spectroscopy" (**Invited Speaker**)  
*ACS Meeting, Philadelphia, USA, March 2020* (the meeting was cancelled).
- [166] "In situ monitoring of polymer imbibition in nanopores" (**Invited Speaker**)  
*Online IDS 2020 Workshop*
- [167] a. "How polymers penetrate narrow pores" (**Invited Speaker**)  
b. "In Situ Monitoring Polymer Imbibition in Nanopores by Nanodielectric Spectroscopy" (Talk by C.-H. Tu).  
c. "Mechanism of Ion Transport in Imidazolium Polymerized Ionic Liquids (PILs) Bearing a Polythiophene Backbone and in Dual Ionic Conductors of Polyfluorene Block Copolymers Doped with LiTFSI" (Talk by A. Pipertzis).  
*APS online Meeting, USA, March 2021*
- [168] *16<sup>th</sup> Hellenic Polymer Society Conference, Athens, December 2021. (virtual event)*  
a. Adsorption Kinetics of cis-1,4-Polyisoprene in Nanopores by In Situ Nanodielectric Spectroscopy (**Invited Speaker**)  
b. Effects of Nanometer Confinement on the Self-Assembly and Dynamics of Poly( $\Gamma$ -Benzyl-L-Glutamate) Homopolymers and Its Copolymers with Polyisobutylene (Talk M. Spyridakou)  
c. On Transport in Polymerized Ionic Liquids (Talk A. Pipertzis)  
d. Effect of Confinement on The Dynamics Of 1-Propanol and other Monohydroxy Alcohols (Talk A. Ananiadou)  
e. Layers of Distinct Mobility in Densely Grafted Dendrimer Arborescent Polymer Hybrids (Talk P. Kardasis)  
f. Posters by M. Spyridakoy, P. Kardasis, A. Ananiadou, A. Sapouna, G. Tzourtsouklis
- [169] "How polymers penetrate narrow pores" (**Invited Speaker**)  
*Bordeaux Polymer Conference 2022 (BCP2022)*
- [170] a. "How polymer electrolytes penetrate narrow pores" (**Invited Speaker**)  
b. "The state of water in lipidic mesophases" (Talk by Yang Yao).  
*APS Meeting, Chicago, USA, March 2022. (virtual event)*

[171] “Macromolecule imbibition in nanopores” (**Invited Speaker**)  
*ACS Fall Meeting, Chicago, USA, August 2022*

[172] a. Polymers in confinement” (**Invited Speaker**)

b. Ion transport in PILS (Talk by Dr. A. Pipertzis)

c. Effect of star architecture on the dynamics of Cis-PI under confinement (Talk by P. Kardasis)

d. Effects of nanometer confinement on the self-assembly and dynamics of PBLG and its copolymer with polyisobutylene) (Talk by M. Spyridakou)

e. State of water in lipidic mesophases (Talk by Dr. Yang Yao)

*11<sup>th</sup> International Conference on Broadband Dielectric Spectroscopy and its Applications, September 4-9, San Sebastian, Spain (2022).*

[173] Equilibrium and Non-equilibrium Dynamics of Polymers Confined in Nanopores (**Invited Speaker**)

*5<sup>th</sup> Int. Workshop on Dynamics in Confinement, Grenoble, Oct 2022.*

[174] a. Equilibrium and Non-equilibrium Dynamics of Polymers Confined in Nanopores (Talk; with C.-H. Tu and P. Kardasis)

b. (Talk by J. Zhou).

*APS Meeting, Las Vegas, Nevada, USA, March 2023.*

[175] Structure, Dynamics and Viscoelasticity of Polymer Melts Confined Between Alumina via Machine-Learnt Atomistic Simulations

(Talk by N. Patsalidis)

*XIX International Rheology Congress, Athens, August 2023.*

[176] “Polymer dynamics during flow in nanopores” (with C.-H. Tu, P. Kardasis, H.-J. Butt)

*Ostwald Colloquium, Darmstadt, Sept 2023*

[177] “Polymer dynamics during flow in nanopores» (**Invited Speaker**)

*9<sup>th</sup> International Discussion Meeting on Relaxations in Complex Systems, Chiba, Japan, August 2023.*

[178] a. “Soft matter under confinement” (**Invited Speaker**) (with C.-H. Tu and V. Moschos)

b. “How Polymers Penetrate Narrow Pores?” (Talk, P. Kardasis)

c. “Hierarchical self-assembly and dynamics in polypeptide copolymers produced with ROPISA” (Talk M. Spyridakou)

d. “Non-equilibrium Effects of Polymer Dynamics under Nanometer Confinement: Effects of Architecture and Molar Mass” (Poster P. Kardasis)

e. “How Water Crystallizes in Aqueous Alcohol Solutions?” (Talk, V. Moschos)

f. “Self-assembly and dynamics of Poly( $\gamma$ -benzyl-L-glutamate) homopolymers and its copolymers with polyisobutylene under 2D Confinement “ (Poster M. Spyridakou)

*XXXVII Panhellenic Conference on Solid State Physics & Materials Science, 2023 Thessaloniki.*

## **SEMINARS AFTER INVITATION-UNIVERSITIES, RESEARCH CENTERS**

- [74] Osaka Metropolitan University, Dept. of Chemistry, August 2023  
"When crystals flow"
- [73] University of Crete, Dept. of Materials Science and Technology, March 2021
- [72] FORTH-IESL, December 2020  
"Soft Matter under Hard Confinement"
- [71] University of Massachusetts at Lowell, September 2020  
On line Polymer Seminar: "Soft matter under hard confinement"
- [70] University Wuppertal, GDCh Kolloqium, January 2020  
"Design of polymer electrolytes with high ionic conductivity"
- [69] Texas A&M Energy Institute, March 2018  
"Solid Polymer Electrolytes for battery applications"
- [68] Tulane University, April 2017  
"Polymer Crystallization under Confinement"
- [67] University of Freiburg, IRTG/Soft Matter Science seminar, January 2016.  
"Soft Matter under Hard Confinement"
- [66] The Hebrew University of Jerusalem, Jerusalem, April 2015  
"Soft Matter under Hard Confinement"
- [65] University of Athens, Dept. of Chemistry, April 2015  
"Soft matter under Confinement"
- [64] University of Tennessee, Knoxville, February 2015.  
"Soft Matter under Hard Confinement"
- [63] University of Dortmund, Dept. of Physics, February 2015.  
"Discotic liquid crystals of nanographenes"
- [62] Harvard University, Boston December 3, 2014.  
"Discotic liquid crystals of nanographenes"
- [61] Max-Planck Institute of Colloids and Interfaces, Golm, 22/7/2014  
"Soft Matter under Hard Confinement"
- [60] Materials Physics Center (CFM), joint center of the Spanish Research Council (CSIC) and the University of the Basque Country (UPV/EHU) - 5th Laboratory course on Dielectric Spectroscopy, 19-23 May 2014, San Sebastián – Spain  
"Applications of Dielectric Spectroscopy in soft materials with intrinsic order"
- [59] Materials Physics Center (CFM), joint center of the Spanish Research Council (CSIC) and the University of the Basque Country (UPV/EHU) - May 2014, San Sebastián – Spain  
"Discotic Liquid Crystals of nanographenes"
- [58] Université Libre de Bruxelles, Chimie des Polymères, Bruxelles, September 2013  
"Discotic liquid crystals in motion"
- [57] Fraunhofer Institute for Biomedical Engineering, S. Ingbert, July 2013  
"Soft Matter under Confinement- Discotic Liquid Crystals"
- [56] Martin-Luther Universität Halle-Wittenberg, Institute of Physics, Colloquium SFBTRR, June 2012  
"Discotic liquid crystals in motion"
- [55] University of Vienna, Dept. of Physics, Vienna, May 2012.  
"Self-assembly and dynamics of Discotic Liquid Crystals of nanographenes"

- [54] University of Milano Bicocca, Dept. of Materials Science, PhD School in Nanostructures and Nanotechnologies, March 2012.  
 “Soft matter under hard confinement”
- [53] University of Cyprus, Dept. of Chemistry, March 2010.  
 “Hierarchical self-assembly of block copolypeptides”
- [52] Foundation for Research and Technology, IESL, Heraklion, November 2009  
 “Discotic Liquid Crystals of nanographenes”
- [51] University of Ioannina, Dept. of Physics, Oct. 2009  
 “Discotic Liquid Crystals of nanographenes”
- [50] National Hellenic Research Foundation (NHRF), Athens, June 2008.  
 “Discotic Liquid crystals: Thermodynamics and Dynamics”
- [49] Princeton University, Department of Chemical Engineering, Princeton, N.J. August 2007  
 “Hierarchical self-assembly and dynamics of polypeptides and block copolypeptides”
- [48] Max-Planck Institute for Polymer Research, Mainz, July 20, 2007  
 “Polymers in Motion”
- [47] University of Athens, Dept. of Chemistry, Polymer Group, June 2007  
 “Polypeptide Self-assembly and Dynamics”
- [46] Max-Planck Institute for Polymer Research, Polymer Physics Group seminar, Hirschegg, March 2007  
 “Polymer Dynamics”
- [45] University of Crete, Dept. of Materials Science and Technology, Crete, Dec. 2006  
 “Polypeptides in Motion”
- [44] University of Ioannina, Dept. of Physics, November 2006  
 “Polymer Dynamics”
- [43] Foundation for Research and Technology (FORTH), Crete, June 2005  
 “Nanodomain-induced chain folding in polypeptide copolymers”
- [42] Max-Planck Institute for Polymer Research, Polymer Physics group (Prof. Dr. H.-J. Butt), Jan 2005, “Self assembly and dynamics of polypeptides”
- [41] Institute of Electronic Structure and Laser (IESL-FORTH), (Polymer Group), Aug. 2004  
 “Structure and dynamics of polypeptides”
- [40] University of Ioannina, Dept. of Physics, March 2004  
 “Hierarchy of structures and dynamics in peptides”
- [39] Biomedical Research Institute- FORTH, February 2004  
 “Hierarchical self-assembly and dynamics of poly( $\gamma$ -benzyl-L-glutamate)
- [38] University of Ioannina, Dept. of Material Science and Engineering, November 2003. “Glass transition in amorphous systems”
- [37] International Max-Planck School on Polymer Characterization, Eitorf, October 2003.  
 “Thermal Properties of Polymers”
- [36] University of Patras and Graduate School on Polymer Science and Technology, June 2003.  
 “Hierarchical self-assembly and dynamics of BLG oligopeptides”
- [35] Max-Planck Institut fur Polymerforschung (MPI-P), Polymer Physics group (Prof. Dr. H.-J. Butt), Jan. 2003.  
 “Effect of pressure on polymer dynamics”
- [34] Deutsches Kunststoff Institut (DKI), Polymer Physics Group (Dr. I. Alig), Jan. 2003  
 “Effect of pressure on polymer dynamics”



- [33] University of Ioannina, Dept. of Computer Science, March 2002  
 “Polymer Nanostructures”
- [32] Cornell University, Dept. of Material Science, December 2001  
 “Block Copolymers”
- [31] University of Ioannina, Dept. of Physics, November 2001.  
 “Polymers. Materials of the Century?”
- [30] National Hellenic Research Foundation (NHRF) (Dr. E. Kamitsos), Institute of Theoretical and Physical Chemistry, November 2000  
 “Effect of Pressure on Polymer Dynamics”
- [29] University of Leeds (Dr. I. Hamley), February 2000.  
 “Self-organization in complex polymer systems”
- [28] University of Dresden and Institute of Polymer Research (IPF) (Prof. Dr. M. Stamm), December 1999.  
 “Structure and Dynamics of Block Copolymers”
- [27] University of Leipzig (Prof. Dr. F. Kremer), December 1999.  
 “Structure self-assembly and Dynamics of Block Copolymers”
- [26] University of Ioannina, Dept. of Physics, Physics Colloquium, February 1999.  
 “Structure and Dynamics of Complex Polymer Systems”
- [25] Imperial College, Dept. of Chemical Engineering (Prof. J. S. Higgins), October 1998  
 “Self-Assembly in Block Copolymers”
- [24] University of Crete, Dept. of Physics, Physics Colloquium, October 1998  
 “Self-organization in complex polymer systems”
- [23] Deutsches Kunststoff Institut (DKI), Polymer Physics Group (Dr. I. Alig), February 1998  
 “Equilibrium Order-to-Disorder Transition in Block Copolymers”
- [22] The Pennsylvania State University, Dept. of Material Science and Engineering, November 1997  
 “Dynamics of Block Copolymers Confined in Microdomains”
- [21] University of Patras, Dept. of Chem. Eng., March 1997  
 “Microphase Separation in Block Copolymers. Structure, Kinetics and Dynamics in Confined Geometries”
- [20] Institut de Chimie des Surfaces et Interfaces-C.N.R.S. (Dr. G. Reiter) Mulhouse, March 1997  
 “Microphase Separation in Model Block Copolymers”
- [19] Freiburg Materials Research Center (Prof. Dr. Gronski), Freiburg, March 1997  
 “Microphase Separation in Block Copolymers and Block Copolymer Blends”
- [18] Deutsches Kunststoff Institut (DKI), Polymer Physics Group (Dr. I. Alig), February 1997  
 “Block Copolymers and Block Copolymer Blends. Structure and Dynamics”
- [17] M.I.T., Dept. of Materials Science and Eng. (Prof. E.L. Thomas), Boston, August 1996  
 “Order-disorder transition in Non-Linear Block Copolymers”
- [16] University of Patras, Dept. of Chem. Eng. and Institute of Chemical Eng. and High Temperature Chemical Processes, March 1996  
 “Microphase Separation in Block Copolymers”
- [15] Deutsches Kunststoff Institut (DKI), Polymer Physics Group (Dr. I. Alig), Darmstadt, February 1996  
 “Microphase Separation in Non-Linear Block Copolymers”

- [14] University of Athens, Department of Chemistry (Polymer Synthesis Group of Prof. N. Hadjichristidis), December 1995  
 "Microphase Separation in Block Copolymers"
- [13] Princeton University, Department of Chemical Engineering, Princeton, N.J. (Invited by Prof. R. Register)-Special Complex Fluids Seminar, July 6, 1995.  
 "Microphase Separation in Model Block Copolymers"
- [12] State University of New York at Stony Brook, Department of Chemistry (Invited by Prof. B. Chu)- Physical Chemistry Seminar, July 19,1995.  
 "Microphase Separation in Model Copolymers and Terpolymers"
- [11] Han Wha Research and Engineering Center, Daejeon, Korea (Invited by Dr. Min, Director, Nov. 1995).  
 "Theory of Phase Separation, Morphology and Characterization Techniques of Block Copolymers"  
 "Compatibility Enhancement in Star-Shaped Copolymers"
- [10] Moscow State University, Department of Physics (Invited by Prof. A.R. Khokhlov);  
 October 1994.  
 "Microphase Separation in Model 3-arm Star Block Copolymers"
- [9] Foundation for Research and Technology (FORTH), April 1994.  
 "Statics, Kinetics and Dynamics of Block Copolymers".
- [8] Max-Planck-Institut fur Polymerforschung, March 1994.  
 "Block Copolymer Melts: Statics, Kinetics and Dynamics".
- [7] Deutsches Kunststoff Institut (DKI) (Invited by Dr. I. Alig); November 1993.  
 "Density and Concentration Fluctuations in Amorphous Polymers as Studied by X-Ray Diffraction".
- [6] Max-Planck-Institut fur Polymerforschung (Invited by Prof. Dr. E.W. Fischer); January 1992.  
 "Dynamics of Glass-Forming Liquids and Polymer Blends by Quasielastic Neutron Scattering".
- [5] ICI, Runcorn, Liverpool (Invited by Dr. A. Burgess), April 1991.  
 "Dynamics of Polymers as Studied by Neutron Scattering"
- [4] Imperial College, Dept. of Chemical Engineering, March 1991.  
 "Dynamics of Density, Concentration and Orientation Fluctuations in Dense Polymer Systems".
- [3] University of Crete, Dept. of Physics, 1988.  
 "Optical Anisotropy of Flexible Molecules by Depolarized Light Scattering"
- [2] University of Crete, Dept. of Physics, January 1986.  
 "Light Scattering from Halide Glasses"
- [1] Rensselaer Polytechnic Institute, Troy, New York, December 1985.  
 "Rayleigh-Brillouin Scattering in Halide Glasses"