CURRICULUM VITAE

Name : **CONSTANTINOS TSITSILIANIS**
Citizenship : Greek
Position: Professor of the Department of Chemical Engineering, University of Patras.

Office Address : Department of Chemical Engineering University of Patras
GR-26500 Patras, Greece
Tel. +2610-969531
e-Mail: ct@chemeng.upatras.gr

Education/training :

Université Pierre et Marie Curie, E.S.P.C.I., Polymer Science (sabbatical) 1999
Dept. of Phys. Chemistry 1, Lund University Polymer Science (sabbatical) 1998
Dept. of Polym. Chemistry, Groningen University Polymer Science (sabbatical) 1997
Institut "Charles Sadron", Strasburg post-doctoral in Polymer Chemistry, 1989-1990
Dept. of Chem. Engineering Patras University Ph.D in Polymer Science 1987
Dept. of Chemistry Patras University Chemistry B.Sc. 1979

Professional Experience:

2005-present Professor, Department of Chemical Engineering, University of Patras.
1993-2015 Member of the Institute of Chemical Engineering and High Temperature Chemical Processes (ICE/HT-FORTH).
1996-2005 Associate Professor, Department of Chemical Engineering, University of Patras.
1992-1996 Assistant Professor, Department of Chemical Engineering, University of Patras.
1988-1992 Lecturer, Department of Chemical Engineering University of Patras.
1982-1987 Research and Teaching Assistant, Department of Chemical Engineering University of Patras.
1978-1981 Greek Navy (military requirements).

Visiting Positions:

Invited Professor, *Matière Molle et Chimie, ESPCI-ParisTech*. Paris France (2010), Invited Professor, Université Pierre et Marie Curie, E.S.P.C.I., Paris France (1999); Visiting Professor, Université Pierre et Marie Curie, E.S.P.C.I., Paris, France (1998); Invited Professor Department of Polymer Chemistry, University of Groningen The Netherlands (1996,1997) Visiting Scientist Department of Physical Chemistry 1, Lund University, Sweden (1997, 1998) Research Fellow, Institut "Charles Sadron", Centre de la Research sur Macromolecules, (CNRS) Strasbourg-France (1989-1990).

Professional Honors, Fellowships, and Affiliations:

- Invited Professor, *Université Pierre et Marie Curie, E.S.P.C.I.*, Paris France (1999)
- NOW fellowship, *University of Groningen* The Netherlands (1996, 1997)
- Member of the Evaluation Committee of Unite Mixte de Recherche UMR 7615 (ESPCI, Universite Pierre et Marie Curie, CNRS) Paris, (2003).
- Editorial Board: ***Journal of Nanostructured Polymers & Nanocomposites*** since 2005.
- **Cover story:** *Macromolecular Rapid Communications* 26, 17, (2005)
- Invited Professor, *Matière Molle et Chimie, ESPCI-ParisTech*. Paris France (2010).

- ***top ten article***: Responsive reversible hydrogels from associative "smart" macromolecules, **C. Tsitsilianis,** *Soft Matter*, **6**, 2372-2388, (2010). (***invited review***).
- ***Poster award*:** pH responsive reversible hydrogel/liposome composites for tunning drug release, M.-T. Popescu, S. Mourtas, S. G. Antimisiaris C. Tsitsilianis, 8^{o} Hellenic Conference on Polymers, Crete, October, 2010.
- ***top ten article***: pH-Responsive Hydrogel/Liposome Soft Nanocomposites For Tuning Drug Release. M.-T. Popescu, S. Mourtas, G. Pampalakis, S. G. Antimisiaris, and **C. Tsitsilianis*** *Biomacromolecules* **12**, 3023-3030, (2011).
- Editorial Board ***Designed Monomers and Polymers*** since 2011.
- ***The most read articles from Biomacromolecules in the full year of 2011***: pH-Responsive Hydrogel/Liposome Soft Nanocomposites for Tuning Drug Release. M.-T. Popescu, S. Mourtas, G. Pampalakis, S. G. Antimisiaris, and **C. Tsitsilianis*** *Biomacromolecules* **12**, 3023-3030, (2011).
- Editorial Board ***Journal of Materials*** (open access) since 2013.
- ***Poster award*:** Association behavior of P(nBuMA$_{10}$-co-TEGMA$_{10}$)-b-PDMAEMA$_{100}$-b-P(nBuMA$_{10}$-co-TEGMA$_{10}$) thermoresponsive telechelic polyelectrolytes with tunable hydrophobisity. M. S. M. Lencina, S. Gkermpoura, M. Rikkou-Kalourkoti, C. S. Patrickios. and C. Tsitsilianis, German-Greek workshop "*Structural methods for the investigation of soft responsive matter*" München 12-16 May, 2014, Germany.
- **Cover story:** *ACS Macro Letters*, 5, 1, 2016.
- **Inside cover:** Angew. Chem. Int. Ed. 2016.
- Invited Professor**,** *Département Polymères Colloides et Interfaces, Université du Maine, IMMM-UMR CNRS 6283*, Le Mans, France (2017).
- **Cover story**: Gels 3(1), 3, 2017.
- Editorial Board ***Polymers*** (MDPI, open access) 2018-.

Teaching Accomplishments:

Chair, Interdepartmental Graduate Program on Polymer Science and Technology, Patras University (1998-2003, 2016-2018); Director of Polymer Laboratory of Materials Science and Technology Section of Chemical Engineering, University of Patras (2006-2007); Chair of the evaluation committee for Students Master, (1998-2004); Development and establishment of 7 new undergraduate and graduate courses. Supervision of 14 masters and 7 PhD.

Research activities:

- Synthesis characterization and properties of model nanostructured polymers via «living» polymerization methods.
- Study of solution properties of block copolymers in the dilute regime.
- Self-assembly and association phenomena of model amphiphilic block copolymers of various architectures (ABA, ABABABA, ABC, CBABC, A(B-co-C), AnBn and An(B-C)n stars) in selective media.
- Physical hydrogels from stimuli responsive model block copolymers.
- Micelles from nanostructured stimuli responsive segmented polymers.
- Controlled drug delivery from "smart" polymeric self-assemblies.
- Polymer/carbon alloys (CNT, graphene): nano-hybrids dispersible in water.

Cooperation:

- Institute "Charles Sadron", Strasbourg, France.
- Dept. of Polymer Chemistry, University of Groningen, The Netherlands.

- Dept. of Physics & Macromolecular Chemistry, Charles University, Prague Czech Republic.
- Dept. of Physical Chemistry 1, Lund University, Sweden.
- ESPCI, Universite Pierre et Marie Curie, Paris, France.
- Institut für Polymerforschung, Dresden, Germany.
- Dept. of Chemistry, University of Cyprus.
- Dept. of Chemistry, Clarkson University, USA.
- Dept. of Materials Science and Engineering, Iowa State University, USA
- Université Européenne de Bretagne, LIMATB Equipe Rhéologie, Brest, France.
- Department of Physics and Fribourg Center for Nanomaterials, University of Fribourg, Switzerland.
- Matière Molle et Chimie, ESPCI-ParisTech.
- Technische Universität München, Physikdepartment, Fachgebiet Physik weicher Materie, Garching, Germany.
- Département Polymères, Colloides et Interfaces, Université du Maine, IMMM-UMR CNRS 6283, Le Mans, France.

Participation in Research Projects:

27 research projects (PENED, PYTHAGORAS, EPAN, PEP, FRANKO-HELLENIC, IKYDA(Greece-Germany), HUMAN POTENTIAL/Marie Curie, NETWORK of EXCELLENCE/6th Framework, NANOFUN-POLY etc).

Publications:

122 refereed journal papers, 54 refereed conference proceedings, 8 chapters in books.

Papers

1. Transition phenomena in polystyrene near the theta condition. **C. Tsitsilianis,** E. Pierri and A. Dondos* *J. Polym. Sci. Polym. Lett. Ed.* **21**, 685-691, (1983).
2. Transition phenomena of polymers near the theta conditions. **C. Tsitsilianis** and A. Dondos* *Makromol. Chem. Rapid Commun.* **5,** 625-629, (1984).
3. Transition phenomena of polymers in mixed solvents in the vicinity of theta conditions: Effect of preferential adsorption. **C. Tsitsilianis** and A. Dondos *Polymer* **26**, 1838-1842, (1985).
4. Investigation of transition phenomena of polymers in dilute solutions by gel permeation chromatography. **C. Tsitsilianis** and A. Dondos* *Macromolecules* **20**, 658-661, (1987).
5. Viscometric determination of the molecular weight of polymers in the low molecular weight region **C. Tsitsilianis** and G. Staikos *J. Appl. Polym. Sci.* **33,** 3081-3086, (1987).
6. Differentiation between the conformational transitions of polymers and the transition observed near the theta conditions. **C. Tsitsilianis** *Polym. Bull.* **18**, 183-188, (1987).
7. An indirect GPC calibration method for the low-molecular weight region. **C. Tsitsilianis**, G. Mitsiani and A. Dondos *J. Polym. Sci., B, Polym. Phys.* **27**, 763-773 (1989).
8. Viscometric study of aggregation phenomena in polymer dilute solutions and determination of the critical concentration c** A. Dondos, **C. Tsitsilianis** and G. Staikos *Polymer* **30,** 1690-1694, (1989).
9. Effects of crystallinity on aging phenomena in poly(vinyl chloride). **C. Tsitsilianis***, M. Tsapatsis and Ch. Economou Polymer **30,** 1861-1866, (1989).

10. Effects of physical aging in sorption properties of glassy polymers. **C. Tsitsilianis** *Polymer Commun.* **30**, 331-333, (1989).
11. Determination of polymer molecular weight by GPC in the low molecular weight region **C.Tsitsilianis*** and A.Dondos *J.Liquid Chromat.* **13,** (15), 3027-3037, (1990).
12. Synthesis and characterization of hetero-arm star copolymers. **C.Tsitsilianis,** Ph.Chaumont and P.Rempp* *Makromol.Chem.* **191**, 2319-2328, (1990).
13. Conformational transition of block copolymers in dilute solution and their morphology in the solid state. **C.Tsitsilianis,** G.Staikos, A.Dondos*, P.Lutz, P.Rempp and H.Benoit *Makromol.Chem.* **191,** 2309-2318, (1990).
14. Viscometric investigation of the poly(acrylic acid)-polyacrylamide interpolymer association. G.Staikos* and **C.Tsitsilianis** *J.Appl.Polym.Sci.* **42,** 867-872, (1991).
15. Hetero-arm star copolymers with potentially ionogenic branches. **C.Tsitsilianis ,** S.Graff and P.Rempp* *Eur.Polym.J.* **27,** 243-246, (1991).
16. Dynamic mechanical properties of poly(vinyl chloride) after complicated thermal histories. **C.Tsitsilianis** *J.Appl.Polym.Sci.* **43**, 835-838, (1991)
17. Core-first synthesis of star polymers with potentially ionogenic branches. **C.Tsitsilianis**, P.Lutz, S.Graff, J.P.Lamps and P.Rempp* *Macromolecules* **24,** 5897-5902, (1991).
18. Enthalpy relaxation in star shaped polystyrene. **C.Tsitsilianis*** and I.Mylonas *Makromol.Chem.Rapid Commun.* **13,** 207-212, (1992).
19. Viscometric study of the extremely dilute macromolecular solutions: critical concentration c** and the Huggins constant. A.Dondos and **C.Tsitsilianis** *Polym.Intern.* **28**, 151-156, (1992).
20. Phase behavior in PS-b-PMMA block copolymers by enthalpy relaxation. **C.Tsitsilianis*** and G.Staikos *Macromolecules* **25**, 910-916, (1992).
21. Influence of annealing and casting solvent in the morphology of poly(ethylene oxide)-b-polystyrene-b-poly(ehtylene oxide) triblock copolymers, Compatibility effects. **C.Tsitsilianis***, G.Staikos, A.Dondos, P.Lutz and P.Rempp *Polymer* **33**, 3369-3374, (1992).
22. The viscometric mehtods in the investigation of the polyacid-polybase interpolymer complexes. G.Staikos*, G.Bokias and **C.Tsitsilianis** *J.Appl.Polym.Sci.* **48,** 215-217, (1993).
23. Enthalpy relaxation studies in isotactic polystyrene. Effects of crystallinity. **C.Tsitsilianis*** and E.P.Bokaris *Polym.Bull.* **30**, 609-616, (1993).
24. Phase behavior of heteroarm star copolymers by differential scanning calorimetry. **C.Tsitsilianis** *Macromolecules* **26**, 2977-2980, (1993).
25. New developments in synthesis of star polymers with poly(ethylene oxide) arms. D.Rein, J.P.Lamps, P.Rempp*, P. Lutz, D.Papanagopoulos and **C.Tsitsilianis** *Acta Polym.* **44,** 225-229, (1993).
26. Determination of branching of star-shaped macromolecules by gel-permeation chromatography. **C.Tsitsilianis*** and A.Ktoridies *Makromol.Chem. Rapid Commun.* **15**, 845-850, (1994).
27. Physical aging in block copolymers by thermal analysis. **C.Tsitsilianis*** and P.Papaioannou *Int. Polym. Anal. & Character.* **1**, 63-73, (1995).
28. Amphiphilic heteroarm star copolymers of polystyrene and poly(ethylene oxide). **C.Tsitsilianis***, D.Papanagopoulos and P.Lutz *Polymer* **36**, 3745-3752, (1995)
29. A synthetic route for the synthesis of star-shaped macromolecules. **C.Tsitsilianis*** and D.Voulgaris *J. Macromol. Sci .Pure and Appl .Chem. Macrom. Reports* **A32** (SUPPLS.5&6), 569-577, (1995).
30. Study of polystyrene-poly(tert-butyl acrylate) heteroarm star copolymers in dilute solutions. **C.Tsitsilianis*** and O.Kouli *Macromol. Rapid Commun.* **16**, 591-598, (1995).

31. Poly(2-vinylpyridine) based star-shaped polymers. Synthesis of heteroarm star (A_nB_n) and star-block $(AB)_n$ copolymers. **C.Tsitsilianis*** and D.Voulgaris *Macromol Chem. & Phys* 198, 997-1007, (1997)
32. Crystallization kinetics of poly(ethylene oxide) in poly(ethylene oxide)-polystyrene-poly(ethylene oxide) triblock copolymers. G.Floudas* and **C.Tsitsilianis** *Macromolecules* **30**, 4381-4390, (1997)
33. Polystyrene/poly(2-vinyl pyridine) heteroarm star copolymer micelles in toluene: morphology and thermodynamics. D.Voulgaris, **C.Tsitsilianis***, F.G.Esselink and G.Hadziioannou *Polymer* **39**, 6429-6439, (1998).
34. Heteroarm star copolymers as emulsifying agents in polymer blends. **C.Tsitsilianis*,** D.Voulgaris and M.Kosmas *Polymer* **39**, 3571-3575, (1998).
35. Chemical contrast on a microphase-separated block copolymer surface observed by scanning force microscopy. M.P.L.Werts, E.W.van der Vegte, V.Grayer, E.Esselink, **C.Tsitsilianis** and G.Hadziioannou*. *Adv.Mater.* **10** (6), 452-456 (1998).
36. Viscoelastic contrast and kinetic frustration during poly(ethylene oxide) crystallization in a homopolymer and a triblock copolymer. Comparison of ultrasonic and conventional rheology. I. Alig, S. Tadjbakhsch, G. Floudas and **C. Tsitsilianis** *Macromolecules* **31,** 6917-6925, (1998).
37. Amphiphile micelles formed by polystyrene/poly(vinyl-2-pyridine) heteroarm star copolymers in toluene. D.Voulgaris, **C.Tsitsilianis***, V.Grayer, E.Esselink and G.Hadziioannou *Polymer* **40**, 5879-5889, (1999).
38. Hydrodynamic dimensions of heteroarm star copolymers by steric exclusion chromatography. **C.Tsitsilianis*** and D.Voulgaris *Polymer* **41**, 1607-1614, (2000).
39. An associative polyelectrolyte end-capped with short polystyrene chains. Synthesis and rheological behavior. **C.Tsitsilianis***, I.Iliopoulos and G.Ducouret *Macromolecules* **33**, 2936-2943, (2000).
40. Synthesis of coil-rod-coil block copolymers with the aid of anionic polymerization. **C.Tsitsilianis***, G.A.Voyiatzis and J.K.Kallitsis *Macromol. Rapid Commun* **21**, 1130-1135, (2000).
41. Polystyrene/poly(2-vinylpyridine) heteroarm star copolymer micelles in aqueous media and onion type micelles stabilized by diblock copolymers. **C.Tsitsilianis,** D.Voulgaris, M.Stipanek, K Prodhajecka, K. Prochazka*, Z. Tuzar, and W. Brown *Langmuir* **16**(17), 6868-6876, (2000).
42. A comparative experimental and theoretical study between heteroarm star and diblock copolymers in the microphase separated state. V. Grayer, E. E. Dormidovna, G. Hadziioannou and **C. Tsitsilianis** *Macromolecules* **33**, 6330-6339, (2000).
43. ABC heterotelechelic associative polyelectrolytes. Rheological behavior in aqueous media. **C. Tsitsilianis***, I. Katsampas and V. Sfika *Macromolecules* **33**, 9054-9059, (2000).
44. Heteroarm star like micelles formed by polystyrene-poly(2-vinyl pyridine)-poly(methyl methacrylate) ABC triblock copolymers in toluene. **C.Tsitsilianis*** and V.Sfika *Macromol.Rapid Commun.* **22**, 647-651, (2001).
45. Lyotropic liquid crystalline structures formed by amphiphilic heteroarm star copolymers. **C.Tsitsilianis***, P.Alexandridis and B.Lindman *Macromolecules* **34**, 5979-5983, (2001)
46. Aggregation behavior of polystyrene/poly(acrylic acid) heteroarm star copolymers in dioxane and aqueous media. D. Voulgaris and **C.Tsitsilianis*** *Macromol. Chem. & Phys.* **202**, 3284-3292, (2001).
47. Viscoelastic properties of physical gels formed by associative telechelic polyelectrolytes in aqueous media. **C.Tsitsilianis*** and I.Iliopoulos *Macromolecules* **35**, 3662-3667, (2002).
48. Synthesis of amphiphilic coil-rod-coil block copolymers using atom transfer radical polymerization. P. K. Tsolakis, J.K.Kallitsis* and **C. Tsitsiliani** *J. Macromol. Sci.-Pure Appl. Chem*. **A39(3)**, 155-169, (2002).

49. Reconformation and metallization of unimolecular micelles in controlled enviroment. G. Gorodyska, A. Kiriy, S. Minko*, **C. Tsitsilianis** and M. Stamm *Nano letters* **3**, 365-368, (2003).
50. Association phenomena of poly(acrylic acid)-b-poly(2-vinyl pyridine)-b-poly(acrylic acid) triblock polyampholytes in aqueous solutions: from transient network to compact micelles. V. Sfika, and **C Tsitsilianis*** *Macromolecules*, **36**, 4983-4988, (2003)
51. Single Molecules and Associates of Heteroarm Star Copolymer Visualized by Atomic Force Microscopy. A. Kiriy*, G. Gorodyska, S. Minko*, M. Stamm and **C. Tsitsilianis*** *Macromolecules*, **36**, 8704-8711, (2003).
52. Chemical contrasting in single polymer molecule AFM experiment. A. Kiriy*, G. Gorodyska, S. Minko*, **C. Tsitsilianis**, W. Jaeger and M. Stamm *J. Am. Chem. Soc*. **125**, 11202-11203, (2003)
53. Diblock copolymer adsorption from the aqueous micellar phase to solid surfaces: Real time monitoring by ATR spectroscopy in mid-infrared. I. Keskini, V. Gionis, G. D. Chryssikos*, I Hiotelis, C. Topraksioglu, N. Stavrouli and **C. Tsitsilianis** *Macromol. Sympos*. **205**, 117-128, (2004).
54. Rheological properties of an asymmetric triblock polyampholyte in salt-free aqueous solutions. F.Bossard, V.Sfika and **C. Tsitsilianis*** *Macromolecules* **37**, 3899-3904, (2004).
55. Amorphous-crystalline PS_nPEO_n heteroarm star copolymers: crystallinity and Crystallization kinetics. E. Koutsopoulou and **C Tsitsilianis*** *Macromol Chem. & Phys*, **205**, 2116-2123, (2004).
56. pH responsive heteroarm star-like micelles from double hydrophilic ABC terpolymer with ampholitic A and C blocks. V.Sfika, **C. Tsitsilianis*** A. Kiriy, G. Gorodyska, and M. Stamm *Macromolecules* **37,** 9551-9560, (2004).
57. Tri- and tetracarbanionic initiators by Lithium-halide exchanger reaction: Application to star polymer synthesis. R. Matmour, A. Lebreton, V. Héroguez, **C. Tsitsilianis**, J. Kallitsis and Y. Gnanou * *Angew. Chem. Int. Ed.* **44**, 284-287, (2005).
58. Synthesis of amphiphilic $(ABC)_n$ multiarm star triblock terpolymers. A. I. Triftaridou, M. Vamvakaki C. S. Patrickios* N. Stavrouli and **C. Tsitsilianis*** *Macromolecules* **38,** 1021-1024**,** (2005).
59. Hierarchical self organization of ABC terpolymer constituted of a long polyelectrolyte end-caped by hydrophobic blocks. I. Katsampas, and **C. Tsitsilianis*** *Macromolecules* **38**, 1307-1314, (2005).
60. A novel thermo-thickening phenomenon exhibited by a triblock polyampholyte in aqueous salt-free solutions. F. Bossard, **C. Tsitsilianis*** S. Yannopoulos, G. Petekidis and V. Sfika *Macromolecules* **38**, 2883-2888, (2005).
61. New insights on the solution behavior and self-assembly of polystyrene/poly(2-vinylpyridine) "hairy" heteroarm star copolymers with highly asymmetric arms in polar organic and aqueous media M.Stipanek, P. Matějíček, J. Humpolíčková, J. Havránková, K Prodhajecka, M. Špírková Z. Tuzar, **C. Tsitsilianis** and K. Prochazka* *Polymer* **46**, 10493–10505, (2005).
62. From smart polymer molecules to responsive nanostructured surfaces. R. Lupitskyy, Y. Roiter, **C. Tsitsilianis**, and S. Minko* *Langmuir* **21**, 8591-8593, (2005).
63. Multifunctional stimuli responsive ABC terpolymers: from 3-compartment micelles to 3-dimentional Network. I. Katsampas, Y. Roiter, S. Minko and **C. Tsitsilianis*** *Macromol. Rapid Commun.* **26**, 1371-1376, (2005).
64. Nanostructures formed by assosiative telechelic polyelectrolytes in acidic aqueous solutions. N. D. Stavrouli, **C. Tsitsilianis***, A. Kiriy, G. Gorodyska and M. Stamm *J. of Nanostructured Polymers & Nanocomposites* **1**, 15-23, (2005). (***invited paper***)
65. Cationic telechelic polyelectrolytes: synthesis by group transfer polymerization and self-organization in aqueous media. G. T. Gotzamanis, **C. Tsitsilianis***, S. C.

Hadjiyannakou , C. S. Patrickios, R. Lupitskyy and S. Minko *Macromolecules* **39**, 678-683, (2006).

66. pH-Tunable rheological properties of a telechelic cationic polyelectrolyte reversible hydrogel. F. Bossard, T. Aubry, G. T. Gotzamanis, **C. Tsitsilianis**[*] *Soft Matter* **2**, 510-516, (2006).
67. Surface morphologies of Langmuir-Blodgett monolayers of PEO_nPS_n multiarm star copolymers. R. Gunawidjaja, S. Peleshanko, K. L. Genson, **C. Tsitsilianis**, V. V. Tsukruk[1]* *Langmuir* **22**, 6168-6176, (2006).
68. Stimuli responsive A-*b*-(B-*co*-C) diblock terpolymers bearing polyampholyte sequences G. T. Gotzamanis and **C. Tsitsilianis**[*] *Macromol. Rapid Commun.* **27**, 1757-1763, (2006).
69. Thermo-reversible hydrogels based on poly(N,N-diethylacrylamide)-*b*-poly(acrylic acid)-*b*-poly(N,N-diethylacrylamide) double hydrophilic triblock copolymer. S. A. Angelopoulos and **C. Tsitsilianis**[*] *Macromol Chem. & Phys*, **207**, 2188-2194, (2006).
70. Multi-compartment unimolecular micelles from $(ABC)_n$ multi-arm star triblock terpolymers. N. Stavrouli, A. I. Triftaridou, C. S. Patrickios* and **C. Tsitsilianis*** *Macromol. Rapid Commun.* **28**, 560-566, (2007).
71. Design of responsive double hydrophilic A-*b*-(B-*co*-C) diblock terpolymers with tunable thermosensitivity G. T. Gotzamanis and **C. Tsitsilianis**[*] *Polymer* **48**, 6226-6233, (2007).
72. pH/Thermo-sensitive hydrogels formed at low pH by a PMMA-PAA-P2VP-PAA-PMMA pentablock terpolymer. N. Stavrouli, I. Katsampas, S. Angelopoulos, C. Tsitsilianis *Macromol. Rapid Commun.* **29**, 130-135, (2008).
73. Diversity of nanostructured self-assemblies from a pH-responsive ABC terpolymer in aqueous media. **C. Tsitsilianis**[*], Y. Roiter, I. Katsampas and S. Minko[*] *Macromolecules* 41**,** 925-934, (2008).
74. Rheological Properties of ABA Telechelic Polyelectrolyte and ABA Polyampholyte Reversible Hydrogels: a Comparative Study N. Stavrouli, T. Aubry and **C. Tsitsilianis**[*] *Polymer*, **49**, 1249-1256, (2008).
75. Stimuli responsive associative polyampholytes based on ABCBA pentablock terpolymer architecture. **C. Tsitsilianis***, N. Stavrouli, V. Bocharova, S. Angelopoulos, A. Kiriy, I. Katsampas, and M. Stamm *Polymer*, **49**, 2996-3006, (2008).
76. Reversible hydrogels from an ampholytic $A_n(B\text{-}b\text{-}C)_n$ heteroarm star block terpolymer. N. Stavrouli, A. Kyriazis and **C. Tsitsilianis**[*] *Macromol Chem. & Phys*, **209**, 2241-2249, (2008).
77. Stimuli-responsive poly(ethylene oxide)-b-poly(2-vinylpyridi-ne)-b-poly(ethyle- ne oxide) triblock copolymers and complexation with poly(acrylic acid) at low pH. A. Karanikolas, P. Tsolakis, G. Bokias[*] and **C. Tsitsilianis**[*] *Eur. Phys. J. E***27**, 335-343, (2008).
78. Hierarchical self-organization in polyelectrolyte-surfactant complexes based on heteroarm star block copolyampholytes. M. R. Hammond, C. Li, **C. Tsitsilianis**, and R. Mezzenga* *Soft Matter*, **5**, 2371-2377, (2009).
79. Colloidal gel from amphiphilic heteroarm polyelectrolyte stars in aqueous media. A. Kyriazis, T. Aubry, W. Burchard and **C. Tsitsilianis**[*] *Polymer*, **50**, 3204-3210, (2009).
80. Fabrication of polymeric nano-objects using as building elements PS_5P2VP_5 heteroarm star copolymers. D. Tasis **C. Tsitsilianis**[*] *J. Polym. Sci. part B, Phys. Ed.* **48**, 1636-1641, (2010).
81. Responsive reversible hydrogels from associative "smart" macromolecules **C. Tsitsilianis,** *Soft Matter*, **6**, 2372-2388, (2010). (***invited review***).
82. Surface behavior of $PS_n(P2VP\text{-}b\text{-}PtBA)_n$ heteroarm stars. I. Choi, R. Gunawidjaja, R. Suntivich, **C. Tsitsilianis**, and V. V. Tsukruk[*] *Macromolecules* 43**,** 6818-6828, (2010).

83. Effect of DMF on the rheological properties of telechelic polyelectrolyte hydrogels. **C. Tsitsilianis**[*], T. Aubry, I. Iliopoulos and S. Norvez *Macromolecules* **43,** 7779-7784, (2010).
84. Reversible hydrogels from amphiphilic polyelectrolyte model multiblock copolymers: The importance of macromolecular topology. M.-T. Popescu, I. Athanasoulias, **C. Tsitsilianis**[*], N. A. Hadjiantoniou and C.S. Patrickios *Soft Matter*, **6**, 5417-5424, (2010).
85. Design of "smart" segmented polymers by incorporating random copolymers as building blocks. **C. Tsitsilianis**[*]**,** G. Gotzamanis and Z. Iatridi *Eur. Polym. J.* **47**, 497-510, (2011) (***invited feature article***).
86. Nanostructured heteroarm star block terpolymers via an extension of the "in-out" polymerization route. G. Linardatos, G. Tsoukleri, J. Parthenios, C. Galiotis, O. Monticelli, S. Russo, and **C. Tsitsilianis**[*] *Macromol. Rapid Commun.* **32**, 371-377, (2011).
87. pH responsive self assemblies from A_n-core-(B-*b*-C)$_n$ heteroarm star block terpolymer bearing oppositely charged segments. Z. Iatridi and **C. Tsitsilianis**[*] *Chem. Commun.* **47**, 5560-5562, (2011).
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52. Multisegmented multiresponsive multifunctional star-graft polymers as building elements for self-assembling drug delivery systems. C. Tsitsilianis, W. Xu, Z. Iatridi,

P. A. Ledin, A. Angelopoulou, K. Avgoustakis and V. V. Tsukruk. 11th Hellenic Polymer Society International Conference, p. 79-80, 2016.

53. Synthesis and characterization of 3-arm star pmmas bearing pyrene units as dispersing agents of graphene K.D. Papadimitriou, S. Gkermpoura, I. Polyzos, C. Galiotis and C. Tsitsilianis. 11th Hellenic Polymer Society International Conference, p. 123-124, 2016.
54. Atomistic simulation of pyrene functionalized α,ω-PMMA as dispersing agents of graphene for the fabrication of polymer nanocomposites. E. N. Skountzos, V. G. Mavrantzas, and C. Tsitsilianis 11th Hellenic Polymer Society International Conference, p. 209-210, 2016.

Invited oral presentations in conferences

1. 6th International Symposium on Fine Chemistry and Functional Polymers, China, 1996.
2. 2nd Intern. Conference, Advanced Polymers via Macromolecular Engineering Orlando, USA 1997.
3. 8th International Symposium on Fine Chemistry and Functional Polymers, China, 1998.
4. 4th International Discussion Meeting on Relaxation in Complex Systems, June, Creta 2001.
5. 5ο Πανελλήνιο Συνέδριο Πολυμερών (ΕΛΕΠ) , Κρήτη, Δεκέμβριος, 2001.
6. Yangtze Conference of fluids and Interfaces, China, October, 2002.
7. 227 National ACS Meeting, PMSE division, Anaheim, USA, March 2004. **Session Chair**
8. 79th ACS Colloid and Surface Science Symposium, Advanced Nanostructured Materials, Potsdam NY, June 2005.
9. European Polymer Congress, Moscow, June 2005.
10. Bayreuth Polymer Symposium, BPS 05, Bayreuth, Germany, September 2005. **Evaluation committee** for POSTER AWARD.
11. 229 National ACS Meeting, POLY division, San Francisco, USA, September 2006.
12. PNG 2008 in Polymer Networks: Chemistry, Physics, Biology and Applications, Cyprus June 2008. **Session Chair.**
13. 8ο Hellenic Conference on Polymers, Crete, October, 2010. **Session Chair.**
14. IUPAC 9th International Conference on Advanced Polymers via Macromolecular Engineering, Cappadocia Turkey, September 2011. **Session Chair.**
15. EMN Summer Meeting, Cancun, Mexico, June 2014.
16. 2ο Πανελλήνιο Συνέδριο Φαρμακευτικών Επιστημών. Πάτρα Οκτώβριος 2014.
17. Greek-German workshop 2015, Athens, September 2015.
18. German-Greek Workshop 2016, Athens, September 2016.
19. FFSCI-NanoScience/EMN Croatia Meeting, Dubrovnik, Croatia, May 2017. **Session Chair.**
20. Kolloid Tagung 2017, Munich, October 2017. **Plenary**

Invited seminars

1. Star shaped polymers: New developments by anionic polymerization methods. Universite Pierre et Marie Curie et Ecole Superieur de Physique et Chimie Industrielles, Paris, 1990.
2. Σύνθεση και χαρακτηρισμός αστεροειδών συμπολυμερών με διαφορετικούς βραχίονες. Ίδρυμα Τεχνολογίας και Έρευνας, Ηράκλειο Κρήτης, 1990.

3. Phase behavior of block copolymers by the enthalpy relaxation method Institute Charles Sadron, Strasbourg, 1992.
4. Αμφίφιλα συμπολυμερή αστεροειδούς αρχιτεκτονικής. Department of Chemistry, University of Ioannina, 1993.
5. Heteroarm star-shaped copolymers. Dept. of Polymer Chemistry, University of Groningen, Groningen, 1997.
6. Physical gelation from end-capped polyelectrolytes in water. WSP-NET meeting, Patras. 1998.
7. Synthesis of model amphiphilic block copolymers and their behavior in aqueous solutions. Universite Pierre et Marie Curie - ESPCI, Paris 1998.
8. Model Associative Amphiphilic block copolymers: Synthesis and aqueous solution properties. Universite Bordeaux-1, Bordeaux 1999.
9. Association and effective thickening of tailor-made associative polyelectrolytes. Universite Pierre et Marie Curie - ESPCI, Paris, 1999.
10. Self assembly of model triblock copolymers in aqueous media. ESPCI-CNRS-ATOFINA, Paris, 2002.
11. Stimuli responsive micelles and physical gels from model triblock copolymers RHODIA, Paris, 2002.
12. «Αποκρίσιμα» Πολυμερή: Αυτοοργανούμενες Δομές σε Υδατικά Μέσα. Department of Chemistry, University of Cyprus, Nokosia, 2002.
13. Stimuli responsive triblock copolymers in aqueous solutions Institute fur Polymerforschung, Dresden, 2003.
14. Nano-structured assemblies from stimuli responsive polymers in aqueous media. Dept. of Physics, University of Rome, "La Sapienza", Rome, 2004.
15. Νανοδομές από αυτόοργανούμενα συμπολυμερή τριών συστάδων σε υδατικά μέσα. Department of Chemistry, University of Athens, 2005.
16. Design of Nanostructured Polymeric Materials via "Living" Anionic Polymerization Methods. **Short Course** on *Advances in Polymer Chemistry*, Florence, 2006.
17. Self organization of polyampholyte terpolymers in aqueous media. Matière Molle et Chimie**,** ESPCI-ParisTech, Paris, 2010.
18. Self-assembly of responsive block terpolymers in aqueous media: towards nanocarriers-gelator formulations. LCPO, UMR CNRS 5629 University of Bordeaux, Bordeaux, December, 2010.
19. Responsive Reversible Hydrogels from Model Charged Block Copolymers: Effect of Macromolecular Architecture/Topology. University of Wageningen, Dept of Physical Chemistry & Colloid Scince. Wageningen, February 2012.
20. Injectable hydrogels from model responsive macromolecules. Technische Universität München, Physikdepartment, Fachgebiet Physik weicher Materie, Garching, Germany, July 2013.
21. Responsive Nanostructured Polymer-Based Complex Systems for Sustained Drug Delivery Potential Applications. School of Material Science and Engineering, Georgia Tech, Atlanta May 2016.
22. Nanostructured Polymer-based complex systems for Drug Delivery Potential Applications. Département Polymères, Colloides et Interfaces, Université du Maine, IMMM-UMR CNRS 6283, Le Mans, France, March 2017.
23. Responsive Nanocarriers using Multifunctional Star-shaped Polymers as Building Elements. Département Polymères, Colloides et Interfaces, Université du Maine, IMMM-UMR CNRS 6283, Le Mans, France, March 2017.

Reviewer

2005-2017: more than 200 reviews in 51 Journals (**bold:** journal IF>4)

Macromolecules, Polymer, **Macromolecular Rapid Communications**, Macromolecular Chemistry and Physics, Journal of Chromatography, European Polymer Journal, Journal of Applied Polymer Science, Journal of Macromolecular Science Pure and Applied Chemistry, Macromolecular Bioscience, Industrial & Engineering Chemistry Research, Journal of Colloid and Interface Science, Journal of Nanostructured Polymers and Nanocomposites, The Europian Physical Journal E, Journal of Polymer Science Physics Edition, Polymer Bulletin, Advanced Composites Letter. Soft Matter, The journal of Physical Chemistry, Nanotechnology, **Journal of Materials Chemistry**, Applied Rheology, **Chemistry Communication**, **JACS**, **Progress in Polymer Science**, **ACS Applied Materials & Interfaces**, Polymers, Journal of Biomaterials Science: Polymer Edition, **Advanced Functional Materials**, **Langmuir**, **Biomacromolecules**, Journal of Polymer Science Chemistry Edition. Materials Chemistry and physics, **Chemical Society Reviews**, **Small**, The journal of Chemical Physics, RSC Advances, **Acta Biomaterialia**. Journal of Polymer Engineering, Colloid and Polymer Science, Journal of Membrane Science. **The Journal of Physical Chemistry Letters**, **ACS Macro Letters**, Journal of Biomedical Applications. e-Polymers, Soft Materials, Journal of the Taiwan Institute of Chemical Engineers, **Journal of Material Chemistry A.** Materials, Polymer International, International Journal of Biological Macromolecules.