Curriculum Vitae

Dr. Konstantinos Ntetsikas



Address:	**University of Crete, Department of Chemistry, Voutes 71003, Heraklion, Crete, Greece**
Communication:	**Tel: (+30) 2810545030** **: (+30) 6945225153** **Email: kntetsikas@uoc.gr**
Info and Links:	**ORCID ID: https://orcid.org/0000-0002-9236-931X** **Google Scholar: https://scholar.google.com/citations?hl=en&user=ANUaX6kAAAAJ** **Website: https://polymer.kaust.edu.sa/**

Personal Information

Date of Birth: **November 12th 1984**

Place of Birth: **Ioannina, Greece**

Education and Professional Activities

• **Assistant Professor** at the Department of Chemistry, University of Crete	**10/2026**
• **Research Scientist (R4)** at Polymer Synthesis Lab, KAUST Catalysis Center (KCC), Division of Physical Sciences and Engineering, King Abdullah University of Science and Technology (KAUST), Saudi Arabia	**01/2024 – 07/2026**
• **Research Scientist (R3)** at Polymer Synthesis Lab, KAUST Catalysis Center (KCC), Division of Physical Sciences and	**02/2019 – 12/2023**

Engineering, King Abdullah University of Science and Technology (KAUST), Saudi Arabia

- **Post-doctoral Fellow** at Polymer Synthesis Lab, KAUST Catalysis Center (KCC), Division of Physical Sciences and Engineering, King Abdullah University of Science and Technology (KAUST), Saudi Arabia
  Supervisor: Prof. Nikos Hadjichristidis — **08/2016 - 02/2019**

- **Ph.D. in Polymer Science** at Polymers Laboratory, Department of Materials Science and Engineering, University of Ioannina, Greece
  PhD Thesis Title: "Macromolecular Architecture of Elastomer Complex Structures. Synthesis-Characterization-Properties"
  PhD advisor: Prof. Apostolos Avgeropoulos — **11/2010 - 05/2015**

- **M.Sc. in Chemistry and Technology of Materials,** through the interdepartmental collaboration between Department of Materials Science Engineering and Department of Chemistry, University of Ioannina, Greece.
  MSc Thesis Title: "Synthesis and Characterization of Methacrylate Diblock Copolymers - Studies of Chemically Modified and Non Modified Polymers – Properties
  MSc advisor: Prof. Apostolos Avgeropoulos — **11/2008 – 11/2010**

- **Diploma in Materials Science and Engineering** at Department of Materials Science and Engineering, University of Ioannina, Greece
  Undergraduate Thesis Title: "Synthesis of conjugated polyaniline (PANI) homopolymers and their blends with diblock copolymers" — **10/2002 – 10/2008**

***Obligatory Hellenic Army Services (9 months)** — **05/2015 – 02-2016**

Research Interests

Summary: a) Synthesis of novel linear and non-linear polymeric materials mainly through anionic polymerization (high vacuum techniques) to study the structure-properties relationship; synthesis of novel polymeric materials (vitrimers, self-healing polymers) via non-covalent interactions (H-bonding, stereocomplexation, dynamic covalent bonding interactions); synthesis of acrylic-based polymers via free-radical emulsion polymerization; synthesis of biodegradable and bio-based polymers, **b)** Molecular, structural characterization and polymer properties in dilute solutions, **c)** Morphological and thermal characterization, **d)** Processing methods for thin films and nanofabrication (directed self-assembly, nanoimprint lithography)

Specifically:

a) Synthetic skills

- Synthesis of well-defined polymers by anionic polymerization using high vacuum techniques, linear and non-linear architectures (star, graft, and cyclic polymers) of homopolymers, copolymers, and terpolymers in a wide range of molecular weights
- Combination of anionic polymerization with polyhomologation (C1 polymerization) for the synthesis of star architectures of polyethylene (PE)-based polymers.
- Functionalization reactions of various block copolymers and chemical modifications (hydrogenation, acetylation, epoxidation, etc.)
- Synthesis of new polymeric materials (vitrimers, self-healing materials) through non-covalent interactions (H-bonding interactions, stereocomplexation, and dynamic covalent bonding reactions)
- Synthesis of organic/inorganic hybrid materials
- Synthesis of biodegradable polymers (via AROP)
- Synthesis of core-shell acrylic latex via free-radical emulsion polymerization

b) Molecular and structural characterization methods

- Size exclusion chromatography (SEC) and high-temperature SEC (HT-SEC)
- Vapor pressure osmometry (VPO)
- Proton and carbon nuclear magnetic resonance spectroscopy (^{1}H-NMR, ^{13}C-NMR), 2D NMR methods (COSY, TOCSY), HSQC, and HMBC
- Solid state NMR (^{1}H, ^{13}C and ^{29}Si)
- Matrix-assisted laser desorption/ionization time of flight mass spectroscopy (MALDI-TOF)
- Gas chromatography-mass spectrometry (GC-MS)
- Dynamic light scattering (DLS)
- Fourier transform infrared spectroscopy (FT-IR)

c) Morphological and thermal characterization

- Transmission electron microscopy (TEM)
- Scanning electron microscopy (SEM)
- Differential scanning calorimetry (DSC)
- Thermogravimetric analysis (TGA)

d) Processing methods

- Nanoimprint lithography for nanofabrication
- Directed self-assembly techniques in thin films (graphoepitaxy, solvent vapor annealing)
- Dynamic mechanical analysis (DMA)

Current Research Interests

- Synthesis of well-defined vitrimers using bio-based monomers
- Thermoplastic elastomers based on bio-based monomers
- Complex architectures of various copolymers and terpolymers
- Non-covalent bonding copolymers and terpolymers (stereocomplex, H-bonding)
- Synthesis of well-defined functionalized polyolefins
- Functionalization of linear and non-linear homopolymers and block copolymers and chemical modifications
- Synthesis of organic/inorganic hybrid materials
- Synthesis of block copolymers for advanced membrane applications

Publications

(55 published articles in peer-reviewed journals, 2 as co-corresponding author)
Google Scholar Citations: *Total citations:* ***1440,*** *h-index =* ***18*** *(November 4th, 2026)*
Scopus: *Total citations:* ***1198,*** *h-index =* ***17*** *(November 4th, 2026)*
Web of Science: *Total citations:* ***1145****, h-index =* ***16*** *(November 4th, 2026)*

1. G. Liu, H. Sun, S. Rangou, **K. Ntetsikas**, A. Avgeropoulos, S-Q. Wang
Studying the Origin of "Strain Hardening": Basic Difference Between Extension and Shear
Journal of Rheology, *57*, 89-104, **2013**

2. H. Sun, K. **Ntetsikas**, A. Avgeropoulos, S-Q. Wang
Breakdown of Time-Temperature Equivalence in Startup Uniaxial Extension of Entangled Polymer Melts
Macromolecules, *46*, 4151-4159, **2013**

3. B.M.D. O'Driscoll, R. A. Kelly, M. Shaw, P. Mokarian-Tabari, G. Liontos, **K. Ntetsikas**, A. Avgeropoulos, N. Petkov, M. A. Morris
Achieving Structural Control with Thin Polystyrene-*b*-Polydimethylsiloxane Block Copolymer Films: The Complex Relationship of Interface Chemistry, Annealing Methodology and Process Conditions
European Polymer Journal, *49*, 3445-3454, **2013**

4. H. Sun, G. Liu, **K. Ntetsikas**, A. Avgeropoulos, S-Q. Wang
Rheology of Entangled Polymers Not Far Above Glass Transition Temperature: Transient Elasticity and Intersegmental Viscous Stress
Macromolecules, *47*, 5839-5850, **2014**

5. W. Bai, A. F. Hannon, K. W. Gotrik, H. K. Choi, K. Aissou, G. Liontos, **K. Ntetsikas**, A. A.-Katz, A. Avgeropoulos, C. A. Ross
Thin Film Morphologies of Bulk-Gyroid Polystyrene-block-Polydimethylsiloxane under Solvent Vapor Annealing
Macromolecules, *47*, 6000-6008, **2014**

6. J. Arias-Zapata, J. Cordeiro, S. Bohme, C. Girardot, J. Garnier, P. Bezard, **K. Ntetsikas**, G. Liontos, A. Avgeropoulos, D. Peyrade, M. Zelsmann
High Throughput Sub-10 nm Metallic Particles Organization on Templates Made by Block Copolymer Self-Assembly and Nanoimprint
Microelectronic Engineering, *141*, 155-159, **2015**

7. H. Sun, P. Lin, G. Liu, **K. Ntetsikas**, K. Misichronis, N. Kang, J. Liu, A. Avgeropoulos, J. Mays, S-Q. Wang
Failure behavior after stepwise uniaxial extension of entangled polymer melts
Journal of Rheology, *59*, 751-767, **2015**

8. D. Borah, S. Rasappa, M. Salaun, M. Zellsman, O. Lorret, G. Liontos, **K. Ntetsikas**, A. Avgeropoulos, and M. A. Morris
Soft Graphoepitaxy for Large Area Directed Self-assembly of Polystyrene-block-poly(dimethylsiloxane) Block Copolymer on Nanopatterned POSS Substrates Fabricated by Nanoimprint Lithography
Advanced Functional Materials, *25*, 3425-3432, **2015**

9. G. Zapsas, D. Moschovas, **K. Ntetsikas**, S. Rangou, J-H. Lee, E. L. Thomas, N. E. Zafeiropoulos and A. Avgeropoulos
Immiscible Polydiene Blocks in Linear Copolymer and Terpolymer Sequences
Journal of Polymer Science, Part B: Polymer Physics, *53*, 1238-1246, **2015**

10. K.-H. Tu, W. Bai, G. Liontos, **K. Ntetsikas**, A. Avgeropoulos, C. A. Ross
Universal Pattern Transfer Methods for Metal Nanostructures by Block Copolymer Lithography
Nanotechnology, *26*, 375301, **2015**

11. C. C. Kathrein, W. Bai, J. A. Currivan-Incorvia, G. Liontos**, K. Ntetsikas**, A. Avgeropoulos, A. Boker, L. Tsarkova, C. A. Ross
Combining Graphoepitaxy and Electric Fields Toward Uniaxial Alignment of Solvent-Annealed Polystyrene-*b*-Poly(dimethylsiloxane) Block Copolymers
Chemistry of Materials, *27*, 6890-6898, **2015**

12. P. Ho, K.-H. Tu, J. Zhang, C. Sun, J.-C. Chen, G. Liontos, **K. Ntetsikas**, A. Avgeropoulos, P. Voyles, C. A. Ross
Domain Configurations in Co/Pt and L10-FePt Nanowire Arrays with Perpendicular Magnetic Anisotropy
Nanoscale, *8*, 5358-5367, **2016**

13. C. Ntaras, G. Polymeropoulos, G. Zapsas, **K. Ntetsikas**, G. Liontos, A. Karanastasis, D. Moschovas, S. Rangou, C. Stewart-Sloan, N. Hadjichristidis, E. L. Thomas, A. Avgeropoulos Synthesis, Characterization and Self-Assembly of Well-Defined Linear Heptablock Quaterpolymers
Journal of Polymer Science, Part B: Polym. Phys., *54*, 1443-1449, **2016**

14. K. Lee, M. Kreider, W. Bai, L.-C. Cheng, S. S. Dinachali, K.-H. Tu, T. Huang, **K. Ntetsikas**, G. Liontos, A. Avgeropoulos, C. A. Ross
UV-Solvent Annealing of PDMS-Majority and PS-Majority PS-*b*-PDMS Block Copolymer Films
Nanotechnology, *27*, 465301, **2016**

15. D. Borah, C. Cummins, S. Rasappa, S. M. D Watson, A. R. Pike, B. R. Horrocks, D. A. Fulton, A. Houlton, G. Liontos, **K. Ntetsikas**, A. Avgeropoulos, M. A. Morris
Nanoscale silicon substrate patterns from self-assembly of cylinder-forming poly (styrene)-block-poly (dimethylsiloxane) block copolymer on silane functionalized surfaces
Nanotechnology, *28*, 044001, **2017**

16. G. Polymeropoulos, G. Zapsas, **K. Ntetsikas**, P. Bilalis, Y. Gnanou, N. Hadjichristidis
50th Anniversary Perspective: Polymers with Complex Architectures
Macromolecules, *50*, 1253-1290, **2017**

17. L.-C. Cheng, W. Bai, E. F. Martin, K.-H. Tu, **K. Ntetsikas**, G. Liontos, A. Avgeropoulos, C. A. Ross
Morphology, Directed Self-assembly and Pattern Transfer from a High Molecular Weight Polystyrene-block-Poly (dimethylsiloxane) Block Copolymer Film
Nanotechnology, *28*, 145301, **2017**

18. K. Ntetsikas, Y. Alzahrany, G. Polymeropoulos, P. Bilalis, Y. Gnanou, N. Hadjichristidis
Anionic Polymerization of Styrene and 1,3-Butadiene in the Presence of Phosphazene Superbases
Polymers, *9*, 538-552, **2017**

19. D. Borah, C. Cummins, S. Rasappa, R. Senthamaraikannan, M. Salaun, M. Zelsmann, G. Liontos, **K. Ntetsikas**, A. Avgeropoulos and M. A. Morris
Nanopatterning via Self-Assembly of a Lamellar-Forming Polystyrene-block-Poly(dimethylsiloxane) Diblock Copolymer on Topographical Substrates Fabricated by Nanoimprint Lithography
Nanomaterials, *8*, 32-43, **2018**

20. G. Zapsas, **K. Ntetsikas**, J. Kim, P. Bilalis, Y. Gnanou, N. Hadjichristidis
Boron "Stitching" Reaction: A Powerful Tool for the Synthesis of Polyethylene-based Star Architectures
Polymer Chemistry, *9*, 1061-1065, **2018**

21. K.-H. Tu, E. Fernandez, H. Almasi,W. Wang, D. Navas Otero, **K. Ntetsikas**, D. Moschovas, A. Avgeropoulos and C. A. Ross
Magnetic Reversal and Thermal Stability of CoFeB Perpendicular Magnetic Tunnel Junction Arrays Patterned by Block Copolymer Lithography
Nanotechnology, *29*, 275302, **2018**

22. S. Lee, L-C. Cheng, K. R. Gadelrab, **K. Ntetsikas**, D. Moschovas, K. G. Yager, A. Avgeropoulos, A. A. Katz and C. A. Ross
Double-Layer Morphologies from a Silicon-Containing ABA Triblock Copolymer
ACS Nano, *12*, 6193-6202, **2018**

23. K. Ntetsikas, G. Polymeropoulos, G. Zapsas, P. Bilalis, Y. Gnanou, N. Hadjichristidis
Ultrafast Phosphazene-Promoted Controlled Anionic Polymerization of Styrenic Monomers
Journal of Polymer Science, Part A: Polym. Chem., *57*, 456-464, **2019**

24. E. Moghimi, I. Chubak, A. Statt, M. P. Howard, D. Founta, G. Polymeropoulos, **K. Ntetsikas**, N. Hadjichristidis, A. Z. Panagiotopoulos, C. N. Likos, D. Vlassopoulos
Self-Organization and Flow of Low-Functionality Telechelic Star Polymers with Varying Attraction

ACS Macro Letters, *8*, 766-772, **2019**

25. Y. Feng, J. Liu, S.-Q. Wang, **K. Ntetsikas**, A. Avgeropoulos, K. Misichronis, J. Mays
Exploring Rheological Responses to Uniaxial Stretching of Various Entangled Polyisoprene Melts
Journal of Rheology, *63*, 763-771, **2019**

26. R. Hall, P. S. Desai, B.-G. Kang, Q. Huang, S. Lee, T. Chang, D. C. Venerus, J. Mays, **K. Ntetsikas**, G. Polymeropoulos, N. Hadjichristidis, R. G. Larson
Assessing the Range of Validity of Current Tube Models through Analysis of a Comprehensive Set of Star−Linear 1,4-Polybutadiene Polymer Blends
Macromolecules, *52*, 7831-7846, **2019**

27. P. Oikonomou, A. Botsialas, N. Papanikolaou, I. Kazas, **K. Ntetsikas**,
G. Polymeropoulos, N. Hadjichristidis, M. Sanopoulou, I. Raptis
Gas Sensitivity Amplification of Interdigitated Chemocapacitors Through Etching
IEEE Sensors Journal, 20, 463-470, **2020**

28. G. Zapsas, D. Moschovas, **K. Ntetsikas**, A. Karydis-Messinis, N. Chalmpes, A. Kouloumpis, D. Gournis, N. E. Zafeiropoulos, A. Avgeropoulos
Segregation of Maghemite Nanoparticles within Symmetric Diblock Copolymer and Triblock Terpolymer Patterns under Solvent Vapor Annealing
Materials, *13*, 1286-1301, **2020**

29. L. T. Andriano, N. Ruocco, J. D. Peterson, D. Olds, M. E. Helgeson, **K. Ntetsikas**, N. Hadjichristidis, S. Costanzo, D. Vlassopoulos, R. P. Hjelm, L. G. Leal
Microstructural Characterization of a Star-Linear Polymer Blend under Shear Flow by Using Rheo-SANS
Journal of Rheology, *64*, 663-672, **2020**

30. K. Ntetsikas, G. Zapsas, P. Bilalis, Y. Gnanou, X. Feng, E. L. Thomas, N. Hadjichristidis
Complex Star Architectures of Well-Defined Polyethylene-Based Co/Terpolymers
Macromolecules, *53*, 4355-4365, **2020**

31. S. Bhaumik, **K. Ntetsikas**, N. Hadjichristidis
Noncovalent Supramolecular Diblock Copolymers: Synthesis and Microphase Separation
Macromolecules, *53*, 6682-6689, **2020**

32. D. Moschovas, G.-M. Manesi, A. Karydis-Messinis, G. Zapsas, **K. Ntetsikas**, N. E. Zafeiropoulos, A. A. Piryazev, E. L. Thomas, N. Hadjichristidis, D. A. Ivanov, A. Avgeropoulos
Alternating Gyroid Network Structure in an ABC Miktoarm Terpolymer Comprised of Polystyrene and Two Polydienes
Nanomaterials, *10*, 1497-1513, **2020**

33. E. Moghimi, I. Chubak, D. Founta, **K. Ntetsikas**, G. Polymeropoulos, N. Hadjichristidis, C. N. Likos, D. Vlassopoulos
The Influence of Arm Composition on the Self-Assembly of Low-Functionality Telechelic Star Polymers in Dilute Solutions
Colloid Polym. Sci., *299*, 497-507, **2021**

34. K. Ntetsikas, D. Moschovas, G. Zapsas, I. Moutsios, K. Tsitoni, G.-M. Manesi, A. F. Nabiullin, N. Hadjichristidis, D. A. Ivanov, A. Avgeropoulos
Synthesis, Characterization and Self-Assembly of Linear and Miktoarm Star Copolymers of Exclusively Immiscible Polydienes
Polymer Chemistry, *12*, 2712-2721, **2021**

35. S. Sharma, **K. Ntetsikas**, V. Ladelta, S. Bhaumik, N. Hadjichristidis
Well-defined cyclic polymer synthesis via an efficient etherification-based bimolecular ring-closure strategy
Polymer Chemistry, *12*, 6616-6625, **2021**

36. V. Ladelta, **K. Ntetsikas**, G. Zapsas, N. Hadjichristidis
Non-Covalent PS−SC−PI Triblock Terpolymers via Polylactide Stereocomplexation: Synthesis and Thermal Properties
Macromolecules, *55*, 2832-2843, **2022**

37. A. Arkanji, V. Ladelta, **K. Ntetsikas***, N. Hadjichristidis
Synthesis and Thermal Analysis of Non-Covalent PS-*b*-SC-*b*-P2VP Triblock Terpolymers via Polylactide Stereocomplexation
Polymers, *14*, 2431, **2022**

38. A. Pipertzis, **K. Ntetsikas,** N. Hadjichristidis, G. Floudas
Cyclic Topologies in Linear α, ω-Dihydroxy Polyisoprenes by Dielectric Spectroscopy
Macromolecules, *55*, 10491-10501, **2022**

39. L. Guo, **K. Ntetsikas**, G. Zapsas, R. Thankamony, Z. Lai, N. Hadjichristidis
Highly Efficient Production of Nanoporous Block Copolymers with Arbitrary Structural Characteristics for Advanced Membranes
Angew. Chem. Int. Ed., *135*, e202212400, **2023**

40. K. Ntetsikas, V. Ladelta, S. Bhaumik, N. Hadjichristidis
Quo Vadis Carbanionic Polymerization?
ACS Polymers Au, *3*, 158-181, **2023**

41. F. Aldakheel, **K. Ntetsikas**, A. Yudhanto, G. Lubineau, N. Hadjichristidis
In Situ Formation of Silica Nanoparticles Decorated with Well-Defined Homopolymers and Block Copolymers
ACS Appl. Polym. Mat., *5*, 4244-4255, **2023**

42. I. Moutsios, **K. Ntetsikas**, G.-M. Manesi, G. Liontos, E. Nikitina, C.-Y. Chang, L. Vidal, N. Hadjichristidis, R.-M. Ho, D. Ivanov, A. Avgeropoulos
Defining Morphological Transformations of "Soft Nature" Diblock Viscoelastic Structured Polymers
Macromolecules, *56*, 6232-6246, **2023**

43. A. Arbe, A. Alegría, J. Colmenero, S. Bhaumik, **K. Ntetsikas**, N. Hadjichristidis
Microscopic Evidence for the Topological Transition in Model Vitrimers
ACS Macro Letters, *12,* 1595-1601, **2023**

44. F. Aldakheel, **K. Ntetsikas***, A. Yudhanto, G. Lubineau, N. Hadjichristidis

Designing Macromolecules on Nanoparticle Surfaces. In situ Formation of Silica Grafted with Star Chains
ACS Appl. Polym. Mat., *5*, 9721-9731, **2023**

45. E. Moghimi, I. Chubak, **K. Ntetsikas**, G. Polymeropoulos, X. Wang, C. Carillo, A. Statt, L. Cipelletti, K. Mortensen, N. Hadjichristidis, A. Z. Panagiotopoulos, C. N. Likos, D. Vlassopoulos
Interpenetrated and bridged nanocylinders from self-assembled star block copolymers
Macromolecules, *57*, 926-939, **2024**

46. S. Bhaumik, **K. Ntetsikas**, N. Patelis, K. Peponaki, D. Vlassopoulos, N. Hadjichristidis
Model Polyisoprene Vitrimers
Macromolecules, *57*, 1751-1760, **2024**

47. A. Alegría, A. Arbe, J. Colmenero, S. Bhaumik, **K. Ntetsikas**, N. Hadjichristidis
Segmental and Chain Dynamics of Polyisoprene Based Model Vitrimers
Macromolecules, *57,* 5639-5647, **2024**

48. R. Gocecki, S. Bhaumik, E. Qasem, L. Loiola, A.-H. Emwas, **K. Ntetsikas**, N. Hadjichristidis, S. P. Nunes
Well-Defined Block Copolymer Vitrimer Membranes
Small, *21*, 2409139, **2025**

49. M. Nasik, V. Ladelta, **K. Ntetsikas**, S. Bhaumik, N. Hadjichristidis, E. B. Gowd
Formation of Metastable Structures during Confined Crystallization
of Poly(L-lactide) in Poly(isoprene-*b*-L-lactide) Diblock Copolymer
and Their Influence on Phase-Separated Morphology
Macromolecules, *58*, 2534-2545, **2025**

50. B. Robles-Hernández, N. Patelis, A. A. Mendez, **K. Ntetsikas**, S. Bhaumik, N. Hadjichristidis, A. Alegría, J. Colmenero
Chain dynamics in polyisoprene stars with arms linked by dynamic covalent bonds to the central core
Soft Matter, *21*, 3347-3360, **2025**

51. P. Kardasis, M. Danikas, N. Patelis, **K. Ntetsikas**, N. Hadjichristidis, G. Floudas
Effect of Polyisoprene Microstructure on the Thermodynamics, Viscoelastic, and Dielectric Properties in the Bulk and During Flow in Nanopores
Macromolecules, *58*, 6052-6065, **2025**

52. S. Bhaumik, N. Patelis, **K. Ntetsikas**, Y.-L. Hou, K. L. Kearns, K. Setula, S. S. Sengupta, T. J. Person, W. H. H. Woodward, S. Saba, S. Livazovic, N. Hadjichristidis
Well-Defined Chain-End Functionalized Polyethylenes with Different Macromolecular Architectures
Macromolecules, *58*, 10056-10072, **2025**

53. J. Xu, **K. Ntetsikas**, J. Yu, F. Li, N. Hadjichristidis, L. Guo
Engineering nanoporous block copolymer membranes for fast molecular elimination
Chem. Eng., *529*, 173103, **2026**

54. M. Nasik, V. Ladelta, **K. Ntetsikas**, N. Patelis, N. Hadjichristidis, E. B. Gowd

Stereocomplex-Driven Hierarchical Assembly in Melt-Quenched PLLA/PDLA-Based Block Copolymer Blends
Macromolecules, *59*, 7079-7091, **2026**

55. K. L. Kearns, K. Setula, C. S. Cabezas, S. Bhaumik, N. Patelis, M. Mejia, S. Sengupta, T. Person, W. H. H. Woodward, **K.Ntetsikas**, Y.-L. Hou, N. Hadjichristidis
Crystallization of Well-Defined Chain-End Functionalized Polyethylenes with Varying Molecular Weights and Branching Architectures
Macromolecules, *59*, 7740-7753, **2026**

Patents

1. K. Ntetsikas, G. Polymeropoulos, G. Zapsas, P. Bilalis, Y. Gnanou, N. Hadjichristidis, Methods of synthesizing polymers, US20210340291A1, 4-11-2021

Book chapters

1. Y. Jiang, **K. Ntetsikas**, G. Polymeropoulos, G. Zapsas, X. Feng, Y. Gnanou, N. Hadjichristidis "Synthetic Strategies Towards Cyclic Polymers" in *Macromolecular Engineering. From precise synthesis to macroscopic materials and applications* 2nd Edition, Wiley, **2022**

2. K. Ntetsikas, N. Hadjichristidis
"Styrenic-based thermoplastic elastomers by anionic polymerization" in Advances in Thermoplastic Elastomers: Challenges and Opportunities, Elsevier, **2024**

Participation in National & International Conferences

33 participations in international conferences [**11 oral presentations (3 invited) and 22 poster presentations]**

Reviewer in Scientific Journals

- Polymers - MDPI *(22 articles)*
- Macromolecules - ACS *(10 articles)*
- ACS Macro Letters - ACS *(3 articles)*
- European Polymer Journal - Elsevier (*6 articles*)
- Polymer Chemistry - RSC *(6 articles)*
- Angewandte Chemie Int. Ed.- Wiley (*2 articles*)
- Macromolecular Rapid Communication - Wiley (*2 articles*)

- Macromolecular Chemistry and Physics - Wiley *(2 articles)*
- Molecules - MDPI (*2 articles*)
- ACS Polymers Au – ACS (*1 article*)
- ACS Applied Polymer Materials - ACS *(3 articles)*
- ACS Catalysis - ACS *(1 article)*
- Polymer Science & Technology – ACS (*1 article*)
- Polymer – Elsevier *(1 article)*
- Industrial & Engineering Chemistry Research – ACS *(1 article)*
- Materials Chemistry and Physics – Elsevier *(1 article)*
- Soft Matter - RSC *(1 article)*
- International Journal of Molecular Sciences - MDPI (*1 article*)
- Journal of Rheology - AIP (*1 article*)
- Materials Today Communications - Elsevier (*1 article*)
- ChemSusChem - Wiley (*1 article*)
- Chinese Journal of Polymer Science – Springer (*1 article*)

Total number of manuscripts reviewed: 70

Member in Scientific Societies

1. American Chemical Society (ACS), *since 2016*
2. Rubber Division (ACS), *since 2020*
3. Hellenic Polymer Society (ELEP), *since 2010*