Curriculum Vitae

Personal Information

Last Name	:	Polychronopoulos
First Name	:	Nickolas
Position	:	Assistant Professor
Academic Field	:	Transport Phenomena in Hydraulics
Work Address	:	International Hellenic University (IHU), School of Engineering, Department of Environmental Engineering, Alexandria University Campus, 57400, Sindos, Thessaloniki, Greece
Research Interests	:	• Transport Phenomena and Rheology of complex environmental fluids (e.g., activated sludge, sediments, and municipal wastewater) in treatment systems. • Artificial Intelligence (AI) in hydraulics and transport phenomena, including the development of machine learning algorithms to predict flow parameters, pollutant transport, and heat transfer in hydraulic networks and natural recipients. • Computational Fluid Dynamics (CFD) using advanced software (Ansys Fluent, OpenFOAM) for turbulent flow analysis and mass dispersion in open channels, filters, and related systems. • Modeling and experimental measurement of flow and mass transport in porous systems using Particle Image Velocimetry (PIV). • Pollutant Dispersion and Turbulence Theory. • Heat and Mass Transfer in Multiphase Systems, specifically studying particle-liquid interactions for waste heat recovery or thermal sludge treatment. • Magnetohydrodynamics (MHD) and Nanofluids in environmental applications, such as water purification and pollution control. • Development of Nanomaterials and devices for the removal of pollutants from aquatic ecosystems. • Development of Computational Models for microplastic pollution. • Design of Energy-Efficient hydraulic systems.
Contact Details:	:	**tel.:** **e-mail:**

Education

2007	Ph.D. in Mechanical Engineering Department of Mechanical Engineering, University of Thessaly • Dissertation Title: "Variable Cross-Section Flows in Polymer and Composites Processing" • Supervisor: Prof. T. D. Papathanasiou
2012	M.Sc. in Modern Methods for Energy Systems, Processes, and Pollution Control Department of Mechanical Engineering, School of Engineering, University of Thessaly • Thesis Title: "Three-Dimensional Flow Analysis in the Calendering Process" • Supervisor: Prof. T. D. Papathanasiou
2016	Diploma in Materials Science Department of Materials Science, School of Natural Sciences, University of Patras • Undergraduate Thesis Title: "Mechanics at the Molecular Scale – Theory and Simulations of Polymer Chains and Nanowires" • Supervisor: Prof. A. G. Vanakaras

Professional Experience

Jan. 2026 – today	**Assistant Professor** **International Hellenic University (IHU)**, Department of Environmental Engineering, Sindos, Thessaloniki, Greece.
Jun. 2024 – today	**Associate Member / External Collaborator** **University of West Attica (UniWA)**, Department of Mechanical Engineering, Egaleo, Athens, Greece.
Aug. 2021 – Jan. 2026	**Research & Development Engineer** **Polydynamics Inc.**, Dundas, Ontario, Canada.
Nov. 2022–Jan. 2023 Oct. 2023–Feb. 2024 Oct. 2024–Deb. 2025	**Academic Fellow (Teaching and Research)** **University of Thessaly**, Department of Energy Systems, Larissa, Greece.
May 2020–July 2021	**Postdoctoral Researcher** **Institute for Bio-Economy and Agri-Technology (iBO)**, Center for Research & Technology Hellas (CERTH), Thessaloniki, Greece.
Oct. 2018–April. 2020	**Research & Development Engineer** **Polydynamics Inc.**, Dundas, Ontario, Canada.

Feb. 2020–June 2020 και Feb. 2018–June 2018	**Adjunct Lecturer** *Program: "Acquisition of Academic Teaching Experience for Young PhD Holders"* **University of Thessaly**, Department of Mechanical Engineering, Volos, Greece.
Sept. 2017–Sept. 2018	**Production Engineer** **Rontis Hellas S.A.**, Larissa, Greece.
March 2016–Aug. 2017	**Research & Development Engineer (Full-time)** **Polydynamics Inc.**, Dundas, Ontario, Canada.
May 2008–Feb. 2016	**Process Simulation Specialist (Part-time)** **Polydynamics Inc.**, Dundas, Ontario, Canada.

Teaching Experience

Undergraduate

A. Department Environmental Engineering, International Hellenic University (IHU), Sindos, Thessaloniki, Greece.

Feb. 2026–today

- **Physics** (1st Semester) – Foundation Course – Compulsory
  2 hours Lectures / 2 hours Tutorials per week
- **Heat and Mass Transfer** (6th Semester) – Advanced Course – Compulsory
  3 hours Lectures / 2 hours Tutorials per week
- **Environmental Informatics** (7th Semester) – Advanced Course – Elective
  2 hours Lectures / 2 hours Tutorials per week
- **Pollution and Pollution Control Technologies II** – Advanced Course – Compulsory
  3 hours Lectures / 2 hours Tutorials per week

B. Department of Mechanical Engineering (Volos, Greece) and Energy Systems (Larissa, Greece)

Independent Teaching of undergraduate courses as an Academic Fellow and within the framework of the "Acquisition of Academic Teaching Experience for Young PhD Holders" project:

Oct. 2024–Feb. 2025	Advanced Topics in Fluid Machinery (8th semester)
Oct. 2023–Feb. 2024	Advanced Topics in Fluid Machinery (8th semester)
Nov. 2022–Jan. 2023	Advanced Topics in Fluid Machinery (8th semester)
Feb.2020–June 2020	Rheology and Polymer Processing (8th semester)
Feb. 2018–June. 2018	Rheology and Polymer Processing (8th semester)

Supervision/Co-supervision

E. Undergraduate

1. Konstantina Ilia, *Simulation of Edible Materials Flow in Food 3D Printers* (2021). Department of Mechanical Engineering, University of West Attica, Egaleo, Athens.
2. Theodosis Koutsoukos, Thomas Manolis, *Simulation of Micropolar Fluid Flows: Validation of Numerical Results with Analytical Solutions* (2018). Department of Mechanical Engineering, University of Thessaly, Volos.
3. Anastasios Drosatos, Ioannis Ch. Tzelepis, *Flow Through Dual-Scale Porous Media* (2013). Department of Mechanical Engineering, University of Thessaly, Volos.

F. Postgraduate

1. Spyridon I. Gkountis, *Effect of Anisotropic Permeability on the Impregnation of Porous Substrates* (2017). Department of Mechanical Engineering, University of Thessaly, Volos.
2. Anastasios Drosatos, *Development of a Permeability Prediction Model for Dual-Scale Composite Materials* (2015). Department of Mechanical Engineering, University of Thessaly, Volos.

Departmental Administrative Work - Committees

Research Programs

A. Principal Investigator

International

National

B. Research Team Member

International

Jan. 2026-Dec.2028	**INNOSWAMP:** Innovative and Streamlined Water Prefiltration System for Military Personnel, Coordinator: Danish Technological Institute (DTI) EU Grants, Call EDF-2024-LS-RA-DIS Member of the scientific team in University of West Attica (PI: Prof. Ioannis Sarris)

	Total funding: 3.932.699,50 Euro
Jan. 2024-Dec.2028	**PROMATAI:** Development and testing of innovative solutions for the processing of hybrid materials and nanomaterials using artificial intelligence algorithms, Coordinator: Łukasiewicz – Institute of Polymer Materials and Dyes (Poland), Horizon Europe: Marie Skłodowska-Curie Actions (MSCA) Member of the scientific team in University of West Attica (PI: Prof. Ioannis Sarris), total funding: 1.633.000,00 Euro doi: https://doi.org/10.3030/101129698 URL: https://promatai.com/

National

May 2020-July2021	**NanoThermia:** Targeted magnetic guidance of nanoparticles across the blood-brain barrier for the thermal ablation of glioblastoma multiforme (MIS 5050609) "EDBM103 - Support for researchers with an emphasis on young researchers – 2nd cycle, Human Resources Development, Education and Life Long Learning", Total funding: 50.000,00 Euro

Publications

Publications in Scientific Journals (peer reviewed)

A. International

1. Krasinskyi V., Bajer K., Dulebova L., Polychronopoulos N.D., Krasinska O., Kaczor D. Multifunctional properties of bio-poly(butylene succinate) reinforced with multi-walled carbon nanotubes: A comprehensive study, *Beilstein Journal of Nanotechnology* 16, 1014-1024 (2025) https://doi.org/10.3762/bjnano.16.76
2. Polychronopoulos N.D., Karvelas E., Tsiantis A., Papathanasiou T.D. A Machine Learning framework for the hydraulic permeability of fibrous biomaterials with a micropolar bio-fluid, *Processes* 13(6), 1840 (2025) https://doi.org/10.3390/pr13061840
3. Polychronopoulos N.D., Sarris E., Vlachopoulos J. Implementation of Machine Learning in Flat Die Extrusion of Polymers, *Molecules* 30(9), 1879 (2025) https://doi.org/10.3390/molecules30091879
4. Polychronopoulos N.D., Moustris K., Karakasidis T., Sikora J., Krasinskyi V., Sarris I.E., Vlachopoulos J. Machine Learning for Screw Design in Single-Screw Extrusion, *Polymer Engineering and Science* 65(5), 2607-2623 (2025) https://doi.org/10.1002/pen.27170
5. Polychronopoulos N.D., Karvelas E., Benos L. Papathanasiou T.D., Sarris I., Magnetohydrodynamic Blood-Carbon Nanotube Flow and Heat Transfer Control via

Carbon Nanotube Geometry and Nanofluid Properties for Hyperthermia Treatment, *Computation* 13, 62 (2025) https://doi.org/10.3390/computation13030062

6. Polychronopoulos N.D., Brouzgou A., Direct Ink Writing for Electrochemical Device Fabrication: A Review of 3D-printed Electrodes and Ink Rheology, *Catalysts* 14(2), 110 (2024) https://doi.org/10.3390/catal14020110
7. Polychronopoulos N.D., Sarris I.E., Benos L., Vlachopoulos J., Pressure Drop in Converging Flows in Three-Dimensional Printing of Concrete, *Physics of Fluids* 35, 093104 (2023) https://doi.org/10.1063/5.0168928
8. Polychronopoulos N.D., Sarris I.E., Benos L., Vlachopoulos J., Pressure Drop in Converging Flows in Three-Dimensional Printing of Concrete, *Physics of Fluids* 35, 093104 (2023) https://doi.org/10.1063/5.0168928
9. Polychronopoulos N.D., Benos L., Vlachopoulos J., Mathematical Modelling of Coalescence of Viscous Particles, *The Canadian Journal of Chemical Engineering* 101(9), 5231-5243 (2023) https://doi.org/10.1002/cjce.24910
10. Benos L., Ninos G., Polychronopoulos N.D., Exomanidou M.-A., Sarris I., Natural Convection of Blood-Magnetic Iron Oxide Bio-nanofluid in the Context of Hyperthermia Treatment, *Computation* 10 (11), 190 (2022) https://doi.org/10.3390/computation10110190
11. Polychronopoulos N.D., Benos L. Th., Stergiou C.I., Sarris I.E., Vlachopoulos J. Viscous Coalescence of Unequally Sized Spherical and Cylindrical Doublets, *Soft Matter* 18, 4017-4029 (2022) https://doi.org/10.1039/D2SM00129B
12. Mitsoulis E., Polychronopoulos N.D., Hatzikiriakos S.G., Calendering of Thermoplastics: Models and Computations, *International Polymer Processing* 37(4), 341-356 (2022) https://doi.org/10.1515/ipp-2021-4214
13. Polychronopoulos N.D., Gkountas A.A., Sarris I.E., Spyrou L.A., A Computational Study on Magnetic Nanoparticles Hyperthermia of Ellipsoidal Tumors, *Applied Sciences* 11(20), 9526 (2021) https://doi.org/10.3390/app11209526
14. Gkountas A.A., Polychronopoulos N.D., Sofiadis G.N., Karvelas E.G., Spyrou L.A., Sarris I.E., Simulation of Magnetic Nanoparticles Crossing Through a Simplified Blood-Brain Barrier Model for Glioblastoma Multiforme Treatment, *Computer Methods and Programs in Biomedicine* 212, 106477 (2021) https://doi.org/10.1016/j.cmpb.2021.106477
15. Polychronopoulos N.D., Sarris I.E., Vlachopoulos J., A Viscous Sintering Model for Pore Shrinkage in Packings of Cylinders, *Rheologica Acta* 60, 397-408 (2021) https://doi.org/10.1007/s00397-021-01279-z
16. Demirci A., Teke I., Polychronopoulos N.D., Vlachopoulos J., The Role of Calender Gap in Barrel and Screw Wear in Counterrotating Twin Screw Extruders, *Polymers* 13(7) 990 (2021) https://doi.org/10.3390/polym13070990
17. Benos L.Th., Polychronopoulos N.D., Mahabaleshwar U.S., Lorenzini G., Sarris I.E., Thermal and Flow Investigation of MHD Natural Convection in a Nanofluid Saturated Porous Enclosure: An Asymptotic Analysis, *Journal of Thermal Analysis and Calorimetry* 143, 751-765 (2021) https://doi.org/10.1007/s10973-019-09165-w

18. Polychronopoulos N.D., Vlachopoulos J., The Role of Heating and Cooling in Viscous Sintering of Pairs of Spheres and Pairs of Cylinders, *Rapid Prototyping Journal* 26(4) 719-726 (2020) https://doi.org/10.1108/RPJ-06-2019-0162

19. Polychronopoulos N.D., Vlachopoulos J., Computer Flow Simulation of Moffatt Eddies in Single Screw Extrusion, *International Polymer Processing* 33 (5) 662-668 (2018) https://doi.org/10.3139/217.3574

20. Polychronopoulos N.D., Charlton Z., Suwanda D., Vlachopoulos J., Measurements and Comparison to Predictions of Viscosity of Heavily Filled HDPE with Natural Fibers, *Advances in Polymer Technology* 37 (4) 1161-1167 (2018) http://dx.doi.org/10.1002/adv.21775

21. Polychronopoulos N.D., Papathanasiou T.D., Fluid Penetration in a Deformable Permeable Web Moving Past a Stationary Rigid Solid Cylinder, *Transport in Porous Media* 116 (1) 393-411 (2017) https://doi.org/10.1007/s11242-016-0780-1

22. Polychronopoulos N.D., Papathanasiou T.D., A Novel Model for Resin Infiltration in Pin-Assisted Pultrusion, *Polymer Composites* 38 (12) 2653-2662 (2017) https://doi.org/10.1002/pc.23860

23. Polychronopoulos N.D., Papathanasiou T.D., A Study on the Effect of Drawing on Extrudate Swell in Film Casting, *Applied Rheology* 25 (4) 42425 (2015) https://doi.org/10.3933/applrheol-25-42425

24. Polychronopoulos N.D., Papathanasiou T.D., Pin-Assisted Resin Infiltration of Porous Substrates, *Composites Part A: Applied Science & Manufacturing* 71 126-135 (2015) https://doi.org/10.1016/j.compositesa.2015.01.007

25. Polychronopoulos N.D., Sarris I.E., Papathanasiou T.D., 3D Features in the Calendering of Thermoplastics: A Computational Investigation, *Polymer Engineering and Science* 54 (7), 1712-1722 (2014) https://doi.org/10.1002/pen.23719

Peer-Reviewed Book Chapters

1. Papathanasiou T.D., Kuehnert I., Polychronopoulos N.D., Chapter 5: Flow-Induced Alignment in Injection Molding of Fiber Reinforced Polymer Composites, in *Flow-Induced Alignment in Composite Materials*, pages 123-185, 2nd Edition, Papathanasiou T.D., Bénard A. (Eds), Woodhead Publishing, Elsevier (2022) https://doi.org/10.1016/B978-0-12-818574-2.00001-4

2. Polychronopoulos N.D., Vlachopoulos J., Chapter 4: Polymer Processing and Rheology, in *Functional Polymers. Polymers and Polymeric Composites: A Reference Series*, pages 133-180, Jafar Mazumder M., Sheardown H., Al-Ahmed A. (Eds), Springer Nature Switzerland AG, (2018) https://doi.org/10.1007/978-3-319-92067-2_4-1

3. Vlachopoulos J., Polychronopoulos N.D., Tanifuji S., Peter Müller J., Chapter 4: Flat Film and Sheet Dies, in *Design of Extrusion Forming Tools*, pages 113-140, Carneiro O.S. and Nobrega M. (Eds), Smithers Rapra, London, UK (2012)

4. Vlachopoulos J., Castillo R., Polychronopoulos N.D., Tanifuji S., Chapter 5: Blown Film Dies, in *Design of Extrusion Forming Tools*, pages 141-168, Carneiro O.S. and Nobrega M. (Eds), Smithers Rapra, London, UK (2012)

5. Vlachopoulos J., Polychronopoulos N.D., Chapter 1: Basic Concepts in Polymer Melt Rheology and Their Importance in Processing, in *Applied Polymer Rheology: Polymeric Fluids with Industrial Applications*, M. Kontopoulou (Ed.), pages 1-27, John Wiley & Sons, New Jersey, USA (2011) https://doi.org/10.1002/9781118140611.ch1

Publications in Scientific Conference Proceedings (peer reviewed) – Invited Talks

A.International

1. Moustris K., **Polychronopoulos N**., Pimenidou P., Spyropoulos G., Sarris I., Sofiadis G., Liosis C., Karvelas E., Peppa S. Application of Artificial Intelligence and Machine Learning Classification Models for Predicting Screw Geometry Parameters in Single-Screw Extruders, 14th International Conference on Mathematical Modeling in Physical Sciences, October 20-23, Hybrid, On-line (2025)

2. **Polychronopoulos N.D.**, Vlachopoulos J., *Modeling of Extrusion in 3D-Concrete-Printing*, ΙΘ' International Congress on Rheology (ICR2023), Athens, Greece, July 29 – August 4 (2023)

3. **Polychronopoulos N.D.**, Vlachopoulos J., *Extensions of Frenkel's Model of Viscous Sintering*, 10th Conference of the Hellenic Society of Rheology (HSR), Skiathos, Greece, June 29 – July 2 (2022)

4. **Polychronopoulos N.D.**, Gkountas A.A., Sarris I.E., Spyrou L.A., *Numerical Analysis of Temperature Distribution in Ellipsoidal Tumors in Magnetic Fluid Hyperthermia*, IEEE 20th International Conference on Bioinformatics and Bioengineering (BIBE), Cincinnati, OH, USA, Oct. 26-28 (2020)

5. **Polychronopoulos N.D.,** *Sharkskin, Melt Fracture and Die Lip Build Up*, 78th International Intensive Short Course on Polymer Rheology and Extrusion, Polydynamics Inc, Brussels, Belgium, May 16-17 (2019)

6. **Polychronopoulos N.D.**, Papathanasiou T.D., *Some New Results in Optimal Fluid Infiltration in a Flexible Permeable Substrate Moving Past a Rigid Cylinder*, 32nd International Conference of the Polymer Processing Society (PPS-32), Lyon, France, July 25-29 (2016)

7. **Polychronopoulos N.D.,** *Understanding the Production of Plastic Films, Sheets and Tapes through Mathematical Modeling*, University of Groningen, The Netherlands, June 8 (2016)

8. **Polychronopoulos N.D.**, Papathanasiou T.D., *Fluid Infiltration of a Permeable Substrate Moving Past a Solid Cylinder*, Polymer Processing Society Conference 2015 (PPS2015), Graz, Austria, September 21-25 (2015)

9. **Polychronopoulos N.D.**, Papathanasiou T.D., *A Modeling Study for the Pin-Assisted Pultrusion of Porous Substrates*, 8th GRACM International Congress on Computational Mechanics, Volos, July 12-15 (2015)

10. **Polychronopoulos N.D.**, Sarris I.E., Papathanasiou T.D., Flow-Induced Resin Infiltration of Porous Substrates, 30th Intern. Conf. of the Polymer Processing Society (PPS-30), Cleveland, OH, USA, June 8-12 (2014)
11. **Polychronopoulos N.D.**, Papathanasiou T.D., *Spreading and Pressure Development in Calendering: A Three-Dimensional Approach*, 29th International Conference of the Polymer Processing Society (PPS-29), Nuremberg, Germany, July 15-19 (2013)
12. **Polychronopoulos N.D**., *Some Experiences in Using the OpenFOAM Software for Polymer Processing Analysis*, MontanUniversität Leoben, Leoben, Austria, July 16 (2012)
13. **Polychronopoulos N.D.**, Vlachopoulos J., *Computational analysis and design of single screw extruders having screws of complex geometry with mixing elements*, SPE EUROTEC, Barcelona, Spain, November 3-7 (2011)
14. Vlachopoulos J., **Polychronopoulos N.D.**, *Challenges in Computer – Aided Polymer Extrusion Die Design*, 6th GRACM International Congress on Computational Mechanics, Thessaloniki, June 19-21 (2008)

B. National

1. **Polychronopoulos N.D.**, Papathanasiou T.D., *A Modeling Study of the Pin-Assisted Resin Infiltration of Porous Substrates*, 10ο Πανελλήνιο Συνέδριο Χημικής Μηχανικής, Παν/μιο Πατρών 4-6 Ιουνίου (2015)
2. **Polychronopoulos N.D.**, *Flow Modeling in Additive Manufacturing*, Department of Chemical Engineering, University of Patras, Patras, Greece, October 17 (2022)

C. Poster

1. Sikora J.W., **Polychronopoulos N.D.**, Moustris K., Karakasidis T., Vlachopoulos J., Sarris I., Krasinskyi V. *Designing extrusion screws using artificial intelligence*, 40th International Conference of Polymer Processing Society (PPS-40) (April 22-25, 2025). – Auckland, New Zealand: University of Auckland, 2025
2. Dulebová L., Krasinskyi V., **Polychronopoulos N.D.**, Bajer K., Krasinska O. *Analysis of the Selected Properties of Bio(nano)composites Based on PBS*, International Scientific Conference Progressive Technologies and Materials PRO-TECH-MA 2024 (September 8-19, 2024). – Rzeszów, Poland: Rzeszów University of Technology, 2024
3. Krasinskyi V., Bajer K., Dulebova L., **Polychronopoulos N.D.**, Krasinska O., Padleckas P. *Structure and Properties of Bio(nano)composite Based on PBS and Carbon Nanotubes,* 21st Scientific and Technical Conference, Engineering Polymers and Composites 2024, (October 22-25, 2024). – Wisła, Poland: Silesian University of Technology, 2024.

D. Publications in collective volumes

1. Krasinskyi V., Dulebova L., Bajer K., Krasinska O., **Polychronopoulos N.D.**, Manduľák D. *Development of new technology for obtaining polyvinylpyrrolidone bio(nano)composites*, in

Development and testing of innovative solutions for the processing of hybrid materials and nanomaterials using artificial intelligence algorithms: Monograph, Volume I / edited by Ludmila Dulebova and Volodymyr Krasinskyi. Technical University of Kosice, Kosice 2024, P. 7–32, ISBN 978-80-553-4741-7

2. **Polychronopoulos N.D.**, Moustris K., Karakasidis T., Karvelas E., Liosis C., Sofiadis G., Pimenidou P., Peppa S., Sarris I. *Random forest machine learning algorithm for screw design in polymer extrusion*, in Development and testing of innovative solutions for the processing of hybrid materials and nanomaterials using artificial intelligence algorithms: Monography, Volume I / edited by Ludmila Dulebova and Volodymyr Krasinskyi. Technical University of Kosice, Kosice 2024, P. 33–46, ISBN 978-80-553-4741-7.

Course Books/Scientific Books

Vlachopoulos J., Polychronopoulos N.D., *Understanding Rheology and Technology of Polymer Extrusion*, 1st Edition, 340 pages, Polydynamics Inc, Dundas, Ontario, Canada (2019) ISBN: 978-0-9952407-3-5. Διαθέσιμο από: http://hdl.handle.net/11375/27289

Acknowledgement of Scientific Expertise

A. Awards - Distinctions – Scholarships- Patents

1. Scholarship by the Department of Mechanical Engineering, University of Thessaly, Volos, Greece for the 1st year of graduate studies
2. Scholarship by the Department of Mechanical Engineering, University of Thessaly, Volos, Greece for the 2nd year of graduate studies

B. Citations/ h-index

More than 330 citations (Scopus), more than 700 citations (Google Scholar)

H-index: 10 (Scopus) και 13 (Google Scholar)

C. Reviewer in Scientific Journals

1. Additive Manufacturing (Elsevier)
2. Advanced Theory and Simulations (Wiley)
3. Applications in Engineering Science (Elsevier)
4. Applied Physics Letters (American Institute of Physics, AIP)
5. Applied Sciences (mdpi)
6. ACS Applied Polymer Materials (American Chemical Society)
7. Computer Methods in Biomechanics and Biomedical Engineering (Taylor & Francis Online)
8. Fluids (mdpi)
9. Industrial & Engineering Chemistry Research (American Chemical Society)
10. International Polymer Processing (De Gruyter)
11. Journal of Materials Science (Springer)
12. Macromolecular Theory and Simulations (Wiley)
13. Materials (mdpi)

14. Physics of Fluids (American Institute of Physics, AIP)
15. Polymer Engineering and Science (Wiley)
16. Polymers (mdpi)
17. Processes (mdpi)
18. The European Physical Journal Plus (Springer)
19. Water (mpdi)

D. Member of Conference Scientific and Organizing Committees

E. Member of other Scientific Committees or Professional Associations

Thessaloniki, February 2026