

h-Index (Google Scholar): **14**, Citations: **513**

Refereed journal publications: **25** articles

Complete publications list [here](#) (ACS Sustainable Chemistry and Engineering, Polymer Chemistry, Green Chemistry, Polymer Degradation and Stability, Biomacromolecules, International Journal of Biological Macromolecules, European Polymer Journal, Journal of Analytical and Applied Pyrolysis, Polymers...)

**Top Co-authors:** Prof. Dimitrios BIKIARIS (**21**) ([LINK](#)) Prof. George PAPAGEORGIOU (**20**) ([LINK](#))

▪ Topical Advisory Panel Member of Polymers (Q1) > Guest Editor of [Special Issue "Development of High-Performance Biobased Polyesters"](#) in Polymers (Q1, IF: 4.329)

▪ **Scientific Societies:** - European network of FURan based chemicals and materials FOR a Sustainable development (COST Action CA18220, [LINK](#))

▪ **Journals Reviewer:** (Elsevier): Polymer Degradation and Stability, Polymer Testing, Materials Today Chemistry, (MDPI): Polymers, Materials, molecules. | Reviewer Board Member of MDPI ([here](#))



## EXPERTISE & JOB-RELATED SKILLS

- **Deep knowledge** of Design, Synthesis, and Study of fully biobased polymers, mainly Co/polyesters
- **Excellent command** of several synthesis techniques of Polyesters: Melt Polycondensation, Solid state Polycondensation, Polymer Blending, In Situ polymerization, ROP, etc.
- Sustainable Furan-based polyesters, copolyesters, polyester Blends, and Isocyanate-free polyurethane / Investigation of crystallization, melting behaviour, and biodegradability of Co/polyesters / Organic chemistry/ Microwave-assisted feedstock recycling of plastic "polyester" / MW-assisted organic synthesis
- Effective supervision skills (acquired through my experience as co-supervisor of MSc and PhD students), etc.

## AWARDS & ACHIEVEMENTS (Details [here](#))

- July 13, 2018 **Best Presentation Award** at the IUPAC Postgraduate Summer School on Green Chemistry - Venice, Italy, awarded by **L'ORÉAL** Group and **Eni** Group

"Synthesis of New Eco-Friendly Copolyesters From Fully Renewable Resources: Poly( $\epsilon$ -Caprolactone-Co-Pentylene 2,5-Furandicarboxylate)"

- 7-13/07/2018 Fully Funded Scholarship to attend IUPAC Postgraduate Summer School on Green Chemistry

## RESEARCH PROJECT [Furan-based polyesters](#) ([LINK](#))

## PRESENTATIONS AT INTERNATIONAL CONFERENCES (Details [here](#))

- **15** communications at **13** international conferences (in France, Italy, Greece, Belgium, Portugal, Sweden)

**Job-related Keywords** : Bioplastics, biobased (co)/polyesters, 2,5-Furan dicarboxylic acid, Isosorbide, vanillic acid, Melt polycondensation, branched polyesters, FDCA, Biobased Polymers, Isocyanate-free polyurethane, poly(ethylene furanoate), crystallization behavior, polyester recycling, plastic in circular bioeconomy, Polyester Blends, FURAN-packaging, PEF, solid-state polycondensation, biodegradability, structure-property relationship, thermal properties, Ring opening polymerization, etc.

## PROFESSIONAL & WORK EXPERIENCE (Details [here](#))

- November 2021 to present **Researcher**  
KTH Royal Institute of Technology ([LINK](#)), Stockholm - Sweden  
Ongoing research: *Microwave-assisted chemical recycling of plastic (polyester type) and turning it into value-added polymers*
- June 2021 - October 2021 **Research Scientist**  
Helmholtz-Zentrum Hereon ([LINK](#)), Berlin - Germany
- March 2019 - April 2021 **Junior Research & Technology Associate**  
Research project: *New biopolymers based on renewable building blocks from catalytic deoxygenation of hemicellulose*  
Luxembourg Institute of Science and Technology (LIST), Luxembourg
- April - October 2018 **Postdoctoral Fellowship**  
BIKIARIS Group - Aristotle University of Thessaloniki, Greece  
Research project: *Furan-based Polyesters* ([LINK](#))
- July 2017 - March 2018 Temporary Research Fellowship  
BIKIARIS Group - Aristotle University of Thessaloniki, Greece
- Sep. 2016 - Jun. 2017 Mobility grant within the frame of **Erasmus+** International Programme  
BIKIARIS Group - Aristotle University of Thessaloniki, Greece
- April - July 2016 **Research Assistant** University of Padova, Italy
- May 2014 - April 2016 **3 PhD Internships**  
University of Padova and Bologna University, Italy

## EDUCATIONAL QUALIFICATIONS

- March 2018 **PhD in Polymer chemistry** (Merit: Very honorable)  
PhD dissertation Title: **Valorisation of Isosorbide: Synthesis of new functional polymers**  
PhD Supervisor: Prof. **Dimitrios BIKIARIS** ([LINK](#))  
Aristotle University of Thessaloniki, Greece
- November 2013 **Master's Degree in Organic Chemistry**  
Major: *Synthesis and reactivity in Organic chemistry*  
Master Thesis Title: **Synthesis and characterization of new functional structures based on Isosorbide**
- June 2011 **Bachelor's degree in chemistry**  
(Rank: First year: **5/55**, Second year: **7/59**, Third year: **6/67**)