

## REFEREED JOURNAL PUBLICATIONS

Top Co-authors: Prof. Dimitrios Bikiaris ([LINK](#)): [18] - Prof. George Z. Papageorgiou ([LINK](#)): [18]

- To be submitted (1)
- Published papers (20)
- (21) N. Kasmi, R. Dieden, C. Pinel, M. Besson, D. Da Silva Perez, Y. Habibi\*. Novel branched bio-based polyesters: Synthesis and characterization, To be submitted to *ACS Sustain. Chem. Eng.* **2020**.
  - (20) N. Kasmi, L. Papadopoulos, Y. Chebbi, G.Z. Papageorgiou, D.N. Bikiaris\*. Effective and facile solvent-free synthesis route to novel biobased monomers from vanillic acid: Structure-thermal property relationships of sustainable polyesters, *Polym. Degrad. Stab.* **2020**. [LINK](#)
  - (19) Z. Terzopoulou, M. Wahbi, N. Kasmi, G.Z. Papageorgiou, D.N. Bikiaris\*. Effect of additives on the thermal and thermo-oxidative stability of poly(ethylene furanoate) biobased polyester, *Thermochim. Acta* **2020**, *686*, 178549. [LINK](#)
  - (18) B. Quienne, N. Kasmi, R. Dieden, S. Caillol, Y. Habibi\*. Isocyanate-free fully biobased star polyester-urethanes: synthesis and thermal properties, *Biomacromolecules*, **2020**. [LINK](#)
  - (17) N. Kasmi, N. Ainali, E. Agapiou, L. Papadopoulos, G.Z. Papageorgiou, D.N. Bikiaris\*. Novel High Tg fully biobased poly(hexamethylene-co-isosorbide-2,5-furan dicarboxylate) Copolyesters: Synergistic Effect of Isosorbide Insertion on Thermal performance Enhancement, *Polym. Degrad. Stab.* **2019**, *169*, 108983. [LINK](#)
  - (16) N. Kasmi, M. Wahbi, L. Papadopoulos, Z. Terzopoulou, N. Guigo, N. Sbirrazzuoli, G.Z. Papageorgiou\*, D.N. Bikiaris\*. Synthesis and characterization of two new biobased poly(pentylene 2,5-furandicarboxylate-co-caprolactone) and poly(hexamethylene 2,5-furandicarboxylate-co-caprolactone) copolyesters with enhanced enzymatic hydrolysis properties, *Polym. Degrad. Stab.* **2019**, *160*, 242- 263. [LINK](#)
  - (15) N. Kasmi, N. Pouloupoulou, Z. Terzopoulou, D.G. Papageorgiou\*, D.N. Bikiaris, G.Z. Papageorgiou\*. Sustainable Thermoplastics from Renewable Resources: Thermal behavior of Poly(1,4-cyclohexane dimethylene 2,5-furandicarboxylate), *Eur. Polym. J.* **2019**, *112*, 1-14. [LINK](#)
  - (14) Y. Chebbi, N. Kasmi, M. Majdoub, P. Cerruti, G. Scarinzi, M. Malinconico, G. Dal Poggetto, G.Z. Papageorgiou, D.N. Bikiaris\*. Synthesis, Characterization, and Biodegradability of Novel Fully Biobased Poly(decamethylene-co-isosorbide 2,5-furandicarboxylate) Copolyesters with Enhanced Mechanical Properties, *ACS Sustain. Chem. Eng.* **2019**, *7*, 5501-5514. [LINK](#)
  - (13) Y. Chebbi, N. Kasmi, M. Majdoub, G.Z. Papageorgiou\*, D.N. Achilias, D.N. Bikiaris\*. Solid-State Polymerization of Poly(Ethylene Furanoate) Biobased Polyester, III: Extended Study on Effect of Catalyst Type on Molecular Weight Increase, *Polymers* **2019**, *11*, 438. [LINK](#)
  - (12) N. Pouloupoulou, A. Pipertzis, N. Kasmi, D.N. Bikiaris, D.G. Papageorgiou, G. Floudas, G.Z. Papageorgiou\*. Green polymeric materials: On the dynamic homogeneity and miscibility of furan-based polyester blends, *Polymer* **2019**, *174*, 187-199. [LINK](#)
  - (11) N. Pouloupoulou, N. Kasmi, M. Siampani, Z.N. Terzopoulou, D.N. Bikiaris, D.S. Achilias, D.G. Papageorgiou\*, G.Z. Papageorgiou\*. Exploring Next-Generation Engineering Bioplastics: Poly(alkylene furanoate)/Poly(alkylene terephthalate) (PAF/PAT) Blends, *Polymers* **2019**, *11*, 556. [LINK](#)
  - (10) Z. Terzopoulou, E. Tarani, N. Kasmi, L. Papadopoulos, K. Chrissafis\*, D.G. Papageorgiou, G.Z. Papageorgiou, D.N. Bikiaris\*. Thermal Decomposition Kinetics and Mechanism of In-Situ Prepared Bio-Based Poly(propylene 2,5-furan dicarboxylate)/Graphene Nanocomposites, *Molecules* **2019**, *24*, 1717. [LINK](#)
  - (9) N. Kasmi, M. Majdoub, G.Z. Papageorgiou\*, D.N. Bikiaris\*. Synthesis and crystallization of new fully renewable resources-based copolyesters: Poly(1,4-cyclohexanedimethanol-co-isosorbide 2,5-furandicarboxylate), *Polym. Degrad. Stab.* **2018**, *152*, 177-190. [LINK](#)
  - (8) N. Kasmi, G.Z. Papageorgiou\*, D.S. Achilias, D.N. Bikiaris\*. Solid-State Polymerization of Poly(Ethylene Furanoate) Biobased Polyester, II: An Efficient and Facile Method to Synthesize High Molecular Weight Polyester Appropriate for Food Packaging Applications, *Polymers* **2018**, *10*, 471. [LINK](#)
  - (7) N. Kasmi, Z. Terzopoulou, G.Z. Papageorgiou, D.N. Bikiaris\*. Poly(1,4-cyclohexanedimethylene 2,6-naphthalate) polyester with high melting point: effect of different synthesis methods on molecular weight and properties, *EXPRESS Polym. Lett.* **2018**, *12*, 227-237. [LINK](#)
  - (6) N. Pouloupoulou, N. Kasmi, D.N. Bikiaris, D.G. Papageorgiou, G. Floudas, G.Z. Papageorgiou\*. Sustainable polymers from renewable resources: Polymer blends of furan-based polyesters, *Macromol. Mater. Eng.* **2018**, 1800153. [LINK](#)
  - (5) N. Kasmi, M. Majdoub, G.Z. Papageorgiou\*, D.S. Achilias, D.N. Bikiaris\*. Solid-state polymerization of poly(ethylene furanoate) biobased polyester, I: Effect of catalyst type on molecular weight increase, *Polymers* **2017**, *9*, 607. [LINK](#)
  - (4) N. Kasmi, M. Roso, N. Hammami, M. Majdoub, C. Boaretti, P. Sgarbossa, C. Vianello, G. Maschio, M. Modesti, A. Lorenzetti\*. Microwave-assisted synthesis of isosorbide-derived diols for the preparation of thermally stable thermoplastic polyurethane, *Des. Monomers Polym.* **2017**, *20*, 547-563. [LINK](#)
  - (3) Z. Terzopoulou, N. Kasmi, V. Tsanaktis, N. Doulakas, D.N. Bikiaris\*, D.S. Achilias, G.Z. Papageorgiou\*. Synthesis and Characterization of Bio-Based Polyesters: Poly(2-methyl-1,3-propylene-2,5-furanoate), Poly(isosorbide-2,5-furanoate), Poly(1,4-cyclohexanedimethylene-2,5-furanoate), *Materials* **2017**, *10*, 801. [LINK](#)
  - (2) Z. Terzopoulou, E. Karakatsianopoulou, N. Kasmi, V. Tsanaktis, N. Nikolaidis, M. Kostoglou, G.Z. Papageorgiou, D.A.

Lambropoulou, D.N. Bikiaris\*. Effect of catalyst type on molecular weight increase and coloration of poly(ethylene furanoate) biobased polyester during melt polycondensation, *Polym. Chem.* **2017**, 8, 6895-6908. [LINK](#)

- (1) Z. Terzopoulou, E. Karakatsianopoulou, [N. Kasmi](#), M. Majdoub, G.Z. Papageorgiou, D.N. Bikiaris\*. Effect of catalyst type on recyclability and decomposition mechanism of poly(ethylene furanoate) biobased polyester, *J. Anal. Appl. Pyrolysis* **2017**, 126, 357-370. [LINK](#)