

REFEREED JOURNAL PUBLICATIONS ([LINK](#))

h-index ([Google Scholar](#)): **20** - **Top Co-authors**: Prof. Dimitrios Bikiaris ([LINK](#)): **[21]** - Prof. George Z. Papageorgiou ([LINK](#)): **[20]**

- (27) **N. Kasmi***, Y. Chebbi, A. Lorenzetti, M. Hakkarainen*. Highly transparent polyurethane thermosets with tunable properties and enzymatic degradability derived from polyols originating from hemicellulosic sugars, *Green Chemistry* **2023**, 25, 9908-9925. [LINK](#)
- (26) **N. Kasmi**, E. Bäckström, M. Hakkarainen*. Open-loop recycling of post-consumer PET to closed-loop chemically recyclable high-performance polyimines, *Resources, Conservation and Recycling* **2023**, 193, 106974. [LINK](#)
- (25) M. Safari, **N. Kasmi**, C. Pisani, V. Berthé, A. J. Müller*, Y. Habibi. Effect of the structural features of linear bio-based polyester plasticizers on the crystallization of polylactides, *International Journal of Biological Macromolecules* **2022**, 214, 128-139. [LINK](#)
- (24) **N. Kasmi***, Z. Terzopoulou, Y. Chebbi, R. Dieden, Y. Habibi, D.N. Bikiaris. Tuning thermal properties and biodegradability of poly(isosorbide azelate) by compositional control through copolymerization with 2,5-furandicarboxylic acid, *Polym. Degrad. Stab.* **2022**, 195, 109804. [LINK](#)
- (23) D. G. Papageorgiou*, I. Tsetsou, R. O. Ioannidis, G. Nikolaidis, S. Exarhopoulos, **N. Kasmi**, D. N. Bikiaris, D. Achilias, G. Z. Papageorgiou*. A new era in engineering plastics: compatibility and perspectives of sustainable aliphatic poly(ethylene terephthalate)/poly(ethylene 2,5-furandicarboxylate) blends, *Polymers* **2021**, 13(7), 1070. [LINK](#)
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- (21) **N. Kasmi**, C. Pinel, D. Da Silva Perez, R. Dieden, Y. Habibi. Synthesis and characterization of fully biobased polyesters with tunable branched architectures, *Polymer Chemistry* **2021**, 12, 991-1001. [LINK](#)
- (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**, 181, 109315. [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**, 21, 5, 1943–1951. [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](#)
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- (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](#)
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- (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](#)
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- (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. Tsanaktsis, 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. Tsanaktsis, 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](#)
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