

## Special Issue

# Functional Poly(lactic Acid) (PLA) and Copolymers of Lactide

### Message from the Guest Editors

Poly(lactic acid) or poly(lactide) (PLA) is an aliphatic polyester consisting of lactyl units. PLA is a synthetic polymer but derived from renewable resources. This is probably the most important biodegradable and commercially available thermoplastic material. The main methods to obtain functional poly(lactide) derivatives comprise copolymerization of lactide with functional monomers, or by developing functional derivatives of the lactide monomer or branched architectures to increase the number of terminal groups. The literature also gives examples of PLA cross-linking, grafting, and development of supramolecular structures as well as treatment of PLA surface and preparation of functional composites. This Special Issue aims to studies that focus on the aforementioned methods to functionalize PLA or its copolymers as well as reveal their new unique properties. The scope of the issue includes synthesis, modification, characterization, processing, application, and relevant studies on functionalized poly(lactide) derivatives to target professionals, industrial practitioners, and researchers or graduate students working in the fields of chemistry, biomedicine, and material science.

### Guest Editors

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### Deadline for manuscript submissions

closed (31 December 2020)



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Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.9.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

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### Editor-in-Chief

Prof. Dr. Alexander Böker

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