Special Issue

Enzymatic Synthesis of Polymers

Message from the Guest Editors

Enzymatic synthesis promotes a greater energy efficiency by enabling reactions to be carried out at room temperature under ambient conditions in environmentally friendly settings, and increases atom efficiency by avoiding extensive protection and deprotection steps. Enzymatic methods have also enabled the syntheses of polymers, which often cannot be produced using traditional chemical approaches. This Special Issue is planned in order to bring together a number of original papers and reviews covering (but not restricted to) the following topics:

- Enzyme catalyzed syntheses of polyamides, polyesters, polyphenols, and vinyl polymers;
- Enzyme catalyzed ATRP and RAFT polymerization;
- Use of co-monomers in enzymatic syntheses of polymers;
- Enzymatic immobilization methods for polymer syntheses;
- Biological applications of polymers synthesized via enzymatic catalysis;
- Enzymatic polymerization in non-aqueous systems;
- Selectivity/specificity in enzymatic polymerization reactions;
- Biomimetics in enzymatic polymerization;
- Enzymatic degradation processes.

Guest Editors

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Deadline for manuscript submissions

closed (31 March 2020)

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About the Journal

Message from the Editor-in-Chief

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 4.7.

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.

Editor-in-Chief

Prof. Dr. Alexander Böker
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