Special Issue

Thermal Processing of Starch-Based Polymers

Message from the Guest Editor

Starch is an environmentally friendly, carbohydrate, macromolecular compound which finds applications in many industries, such as a the food, pharmaceutical, medical, and paper industries. Due to the availability of starch, its low cost, and the presence of hydroxyl groups in its structure, it can be chemically or physically modified. Thus, novel, more environmentally friendly, inexpensive, and biodegradable starch-based polymers with improved or new properties and with many potential applications can be prepared. This Special Issue is dedicated to the thermal processing of starch-based polymers obtained during chemical, physical, or enzymatic modifications. In particular, papers focusing on the influence of temperature on the multiple physical and chemical reactions of starch-based polymers such as water diffusion, gelatinization, decomposition, melting, crystallization, etc. are welcome. Papers describing techniques used to process starch-based polymers and the influence of starch-based polymer structures on other properties after thermal processing are also invited. Both original contributions and reviews are welcome.

Guest Editor

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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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