



Thermal Processing of Starch-Based Polymers

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Deadline for manuscript
submissions:

closed (31 August 2023)

Message from the Guest Editor

Starch is an environmentally friendly, carbohydrate, macromolecular compound which finds applications in many industries, such as 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.

Dr. Marta Worzakowska

Guest Editor





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Message from the Editor-in-Chief

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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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