

Special Issue

Agro-Plastics and Their Bio-Polymeric Substitutions for Sustainable Agriculture

Message from the Guest Editors

Sustainable development represents an emergent challenge for our society, particularly as the current food supply will not be able to meet demand if the global population increases to 9 billion by 2050. However, sustainable agriculture offers an opportunity to address the food crisis. Nevertheless, it is clear that plastic pollution poses a challenge to the development of modern agriculture. The major issues include the pollution of the agricultural biosystem caused by the utilization of plastic, the release of microplastics/nanoplastics and their contamination, the release of plasticizers from agro-plastics, and the impact of such substances on crop health and the quality and yield of crops. Current solutions attempt to reduce the utilization of agro-plastics, recycle used agro-plastics, and substitute traditional synthetic polymers for non-biodegradable plastics. This Special Issue aims to provide an overview of technical breakthroughs, innovations, and fundamental insights into the nexus of biopolymer–crop–agricultural sustainability.

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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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