



Polymer Materials for Agricultural Application II

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Message from the Guest Editors

Polymer materials are inputs that support the development of more sustainable and resilient agricultural systems. Granular fertilizers benefit from coatings with biodegradable polymers when promoting controlled release. Biopolymers, such as proteins, polysaccharides, and lignin, act as formulation ingredients for plant biostimulants. Most of these biopolymers, especially in their nanoforms, are also active ingredients or precursors of active ingredients—e.g., bioactive peptides, lignin derivatives, or oligosaccharins acting on the tissular and cellular plant regulatory network. Several polysaccharides (chitin/chitosan and polysaccharides from yeast or (micro)algae cell wall) were registered as active ingredients of low-risk plant protection products. Other agricultural applications of polymer materials include seed coating, film-forming formulation for extended fruits and vegetables shelf life, enhancers of water-holding in soil, and biodegradable mulch film. This Special Issue welcomes original articles, communications, reviews, and perspectives on the applications in the agriculture of polymer materials.





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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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