

Special Issue

Algae-Based Polymers: Current Trends and Emerging Opportunities

Message from the Guest Editors

Plastics play a crucial role in most aspects of modern society. However, the well-known environmental burdens associated with the massive use of these materials have exposed the need for the development of greener and more sustainable solutions. Among possible natural sources of biopolymers, aquatic biomass, such as macro- and micro-algae, offers a rich variety of valuable molecules. Polysaccharides, proteins, lipids, and polyphenols are in fact the main classes of materials found in algae, which have been employed for packaging, food, pharmaceutical, and other biomedical applications. This Special Issue aims at establishing a platform where the latest discoveries in the field of production and exploitation of algae-based materials can be shared, covering all interdisciplinary aspects of this research area, from algae identification and cultivation to materials' functional properties and final application. Authors are encouraged to submit their studies in the form of full papers, communications or critical reviews.

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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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