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Biopolymer-Based Materials towards the Sustainable Development Goals

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Deadline for manuscript submissions:
closed (31 May 2023)

Message from the Guest Editors

Biopolymers can be engineered to offer a wide spectrum of technological applications. Many of them can contribute to the successful achievement of the Sustainable Development Goals (SDGs) proposed by the United Nations. Biopolymer-based materials can be applied to (i) promote sustained drug delivery or create artificial tissues (SDG 3: Good health and wellbeing), (ii) remove pollutants from water (SDG 6: Clean water and sanitation and SDG14: Life below water), (iii) partially replace synthetic polymers in packaging (SDG 12: Responsible consumption and production, SDG13: Climate action, and SDG 15: Life on land). This Special Issue aims to showcase the versatility and potential of biopolymers to create sustainable solutions to tackle health and environmental issues addressed by the SDGs. We welcome submission including, but not limited to, the following themes: Drug loading and controlled release using biopolymers;
Biopolymer-based scaffold for tissue engineering;
Biopolymer-based hydrogels for wound healing dressings;
Biopolymer-based materials for heavy metal adsorption;
Biopolymer-based materials for water treatment;
Biopolymer packing materials.

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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 5.0.

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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