

Special Issue

Natural Polymers: Isolation, Modification, and Applications

Message from the Guest Editors

Natural polymers such as carbohydrates, proteins, and nucleic acids possess various health benefits, including antioxidant, anti-obesity, anti-inflammatory, anti-diabetes, and anticancer bioactivities. Based on their health benefits, bioactive natural polymers have been utilized in pharmaceutical, nutraceutical, and cosmeceutical industries. To obtain natural polymers from marine and terrestrial organisms, physical, chemical, biological, and combined methods have been widely investigated. Despite the tremendous progress that has been made in the development of these isolation and purification technologies, there are still some problems, such as the high amount of consumption of chemical solvents, which can easily be destroyed and deactivated. Thus, finding environmentally friendly, sustainable, and industrialized technologies to obtain natural polymers from marine and terrestrial organisms is still remarkably challenging. This Special Issue presents studies on advances in isolation, modification, and applications of natural polymers from marine and terrestrial organisms, including isolation, characterization, modification, and bioactivity evaluation.

Guest Editors

Dr. Lei Wang

College of Food Science and Engineering, Ocean University of China, Qingdao 266003, China

Dr. Caoxing Huang

College of Chemical Engineering, Nanjing Forestry University, Nanjing 210037, China

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Polymers
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
polymers@mdpi.com

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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

Lehrstuhl für Polymermaterialien und Polymertechnologie, University of Potsdam, 14476 Potsdam-Golm, Germany

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