

Special Issue

Functional Bio-Based Polymers and Composites for Multipurpose Applications

Message from the Guest Editors

This Special Issue delves into the realm of functional and bio-based polymers and their composite materials for use in versatile applications. Functional polymers have demonstrated advantages of improving the efficiency in their respective field, while bio-polymers possess environmentally sustainable and renewable attributes; these polymers have become increasingly prominent in materials science, boasting vast potential for utilization across various sectors. Covering the structural intricacies and characterization methods of bio-based polymers, this issue explores their diverse applications in fields ranging from flexible materials to composite structures and beyond. These novel materials play an important role in bio-medical energy storage, electronics, and environmental applications. Through comprehensive discussions, the aim of this Special Issue is to foster the comprehension and utilization of functional and bio-based polymer composite materials, providing valuable guidance and insights, enabling their continued advancement in both industrial and scientific realms. Kind regards,

Guest Editors

Prof. Dr. Seongcheol Kim

School of Chemical Engineering, Yeungnam University, Gyeongsan 38541, Republic of Korea

Dr. Vanaraj Ramkumar

Materials Chemistry Laboratory, School of Chemical Engineering, Yeungnam University, Gyeongsan 38541, Republic of Korea

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

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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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