

Special Issue

Synthesis and Characterization of Polymer Based Materials, for Multi-Functional Applications

Message from the Guest Editors

Polymer-based materials have attracted much attention due to their outstanding characteristics, such as their light weight, low cost, recyclability, and excellent mechanical and chemical stability. Recent advancements in polymer science and technology for wearable smart devices have introduced great convenience to human life. Devices such as touchscreen displays, health-monitoring sensors, functional clothing, and other smart textile products all rely on the excellent electrical and mechanical properties of polymer materials. Moreover, polymers have also been used in biomedical applications, such as biosensors and tissue engineering, due to their good properties and biocompatibility. In addition, natural polymers such as cellulose also have received significant attention in recent years from both academia and industry due to their variety of good properties, such as a high surface area to low volume ratio. This Special Issue will focus on advances in these types of materials and their significance for the future.

Guest Editors

Dr. Nadir Hussain

Nano Fusion Technology Research Group, Division of Frontier Fibers, Institute for Fiber Engineering (IFES), Interdisciplinary Cluster for Cutting Edge Research (ICCER), Shinshu University, Tokida 3-15-1, Ueda, Nagano Prefecture 386-8567, Japan

Prof. Dr. Ick-Soo Kim

Nano Fusion Technology Research Group, Institute for Fiber Engineering (IFES), Interdisciplinary Cluster for Cutting Edge Research (ICCER), Shinshu University, Tokida 3-15-1, Ueda, Nagano 386-8567, Japan

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MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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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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