Special Issue

Polymer Surface and Interfacial Control for Biomedical Applications

Message from the Guest Editors

Blood coagulation or protein adsorption often limits the general use of polymers as biomaterial. Although it is difficult to fully maintain antithrombotic or antifouling properties, bio-inert surfaces have been developed that can reduce blood coagulation or protein adsorption to some extent. For decades, biomaterial research has been reported in the development of functional medical matters such as hemostatic sutures, implants, drug carriers, and engineered artificial tissues as medical treatments. Early research focused on bio-inert polymers to avoid inflammation, blood coagulation and protein adsorption with living tissue; however, subsequent studies are being conducted to actively create an environment similar to a living body by binding a biological component to a polymer surface.
This Special Issue will focus on the surface and interfacial chemistry of functional polymers for biomedical applications. Through this, it aims to provide information on convergence science, including polymers, to materials scientists, as well as front-line medical and dental researchers majoring in clinical medicine.

Guest Editors

Prof. Dr. Inn-Kyu Kang
Department of Polymer Science and Engineering, Kyungpook National University, Daegu 41566, Korea

Prof. Dr. Ohhyeong Kwon
Department of Polymer Science and Engineering, Kumoh National Institute of Technology, Gumi 39177, Korea

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

mdpi.com/journal/polymers

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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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