

Special Issue

Polymers for Energy Applications

Message from the Guest Editors

Polymers and their composites have recently received significant interest as electrode materials and electrolytes for high-performance supercapacitors, fuel cells, lithium-ion batteries, dye-sensitized solar cells, and electrochromic devices. The potential use of polymer materials for devices has been investigated intensely over the past few decades. In particular, conjugated polymers show semiconductor-like behavior and have emerged as intriguing materials for the fabrication of flexible, large-area, and low power and low cost electronic devices. Moreover, the high absorption coefficients of polymers and polymer composites and the possibility of varying the band gap through molecular engineering have opened up new options for multicolor electrochromic devices and solar-energy conversion. This Special Issue covers the synthesis, physicochemical properties, optical and electrochemical characterization, and applications of polymer materials in energy technologies. In addition, feature articles and review papers with regard to the progresses of polymer materials in a particular area are welcomed.

Guest Editors

Prof. Dr. Tzi-yi Wu

Department of Chemical Engineering and Materials Engineering,
National Yunlin University of Science and Technology, Yunlin 64002,
Taiwan

Prof. Dr. Dong Hwan Wang

School of Integrative Engineering, Chung-Ang University, Seoul 06974,
Republic of Korea

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Polymers
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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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 4.9.

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

Fraunhofer-Institut für Angewandte Polymerforschung, Lehrstuhl für Polymermaterialien und Polymertechnologie, Universität Potsdam, Geiselbergstraße 69, 14476 Potsdam-Golm, Germany

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