Special Issue

Functional and Conductive Polymer Thin Films III

Message from the Guest Editor

The development of materials is a key factor in industry growth and innovation. Functional polymers are polymers bearing functional groups that have a greater polarity or reactivity than simple linear backbones. Conductive polymers are organic polymers that conduct electricity. The electrical properties can be modulated using the methods of organic synthesis and dispersion techniques. A thin film is a layer of material ranging from nanometers to several micrometers in thickness. Since layers are thin relative to the length scale, interface effects are much more important than in bulk materials, bringing about novel physical properties. Film properties and functions have become a major research field. We published many outstanding results on this topic in the first two Special Issues. The core subjects of this Special Issue suggest that these materials are promising in flexible electronic devices, biodegradable conducting polymers, sensor devices, supercapacitors, optoelectronic devices, green energy cells, batteries, wearable smart devices, organic light-emitting diodes, electrochromic devices, electromagnetic shielding and microwave-absorbent coatings, etc.

Guest Editor

Prof. Dr. Yen-Zen Wang

Department of Chemical and Materials Engineering, National Yun-Lin University of Science and Technology, Yun-Lin 64002, Taiwan

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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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