Special Issue

Post-Functionalization of Polymers

Message from the Guest Editor

Post-functionalization of polymers is a powerful strategy used to modify the properties of preformed polymeric chains. It can be carried out by means of chemical reactions with the polymer chains or, in the case of polyelectrolytes (e.g., doped conductive polymers), by means of exchange with functional counterions. It has been extensively used to produce functionalized biomacromolecules from biomass (e.g., carboxymethylcellullose) and to create platforms for solid-state organic chemistry (e.g., Merrifield synthesis). Functionalization can be homogeneous or present a gradient from the surface of the solid, allowing for the modification of surface properties (e.g., wettability) while maintaining bulk properties (e.g., toughness). In this Special Issue, articles and reviews dealing with this active field will be published. Topics of interest include novel reactions with reactive chains (e.g., click chemistry) and the development of modification reactions of conventional, unreactive polymers (e.g., polypropylene).

Guest Editor

Prof. Dr. Cesar A. Barbero

Research Institute for Energy Technologies and Advanced Materials (IITEMA), National University of Río Cuarto (UNRC)-National Council of Scientific and Technical Research (CONICET), Río Cuarto 5800, Argentina

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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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