

Special Issue

Polyurethane Foams

Message from the Guest Editor

This Special Issue “Polyurethane Foams” aims to present the latest research and developments related to the synthesis, structure, properties and applications of polyurethane foams. The global production of polyurethanes continues to grow, with more than half of the total output consisting of flexible and rigid foams widely used in the furniture, automotive and construction industries. In light of these trends, increasing attention is being paid to the search for new renewable raw materials that could replace petrochemical-based feedstocks, as well as to meeting growing environmental requirements, including the phasing-out of certain physical blowing agents and chlorine-containing flame retardants. This Special Issue welcomes contributions focused on innovative raw materials, including bio-based polyols and sustainable additives, as well as novel processing methods and recycling strategies for polyurethane foams. Particular attention will be devoted to the relationships between chemical composition, cellular structure and foam applications by different industries branches. Both experimental and modeling studies, as well as comprehensive review articles, are highly encouraged.

Guest Editor

Dr. Elżbieta Malewska

Department of Chemistry and Technology of Polymers, Cracow
University of Technology, Warszawska 24, 31-155 Kraków, Poland

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

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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

Lehrstuhl für Polymermaterialien und Polymertechnologie, University of Potsdam, 14476 Potsdam-Golm, Germany

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