

Special Issue

Recent Developments in Polymer Foaming Processes

Message from the Guest Editor

Micro and nanocellular polymers have been deeply analyzed in the last decades due to their combination of low weight and outstanding thermal and mechanical properties, especially in the nanocellular range (below 1 mm). For this reason, these high-performance materials can be employed in many different applications related to thermal and acoustical isolation, dumping, low-weight absorption energy materials, separation membranes, or filters. In this sense, the analysis of the physical and chemical foaming processes of polymers has become a key point to control density, porosity, and, subsequently, the final properties of the foamed materials. This Special Issue presents an overview of the latest developments in this quickly evolving field, including the understanding of the physical mechanism of the polymer foaming processes, the formation and characterization of the cellular structures, the determination of the structure-properties relationship and the analysis of the different foaming procedures, both chemical and physical.

Guest Editor

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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

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