

Special Issue

Polymer Foams: Relationship between Structure and Properties

Message from the Guest Editor

The analysis of the structure–properties relationship of polymeric foams is one of the pillars of understanding the performance of these outstanding materials and encourage the production and development of novel and advanced polymeric foams and foaming processes. The structure and the properties of cellular materials are the consequence of two main factors: the base formulation (i.e., chemical composition) and the foaming process employed to generate the material. The analysis of the structure–properties relationship is critical for any new development in terms of polymeric matrices, additives, blowing agents, foaming processes, or analytical models accounting for the performance of foams. Facing the challenges defined by the end-users surrounding the main fields of applications of cellular materials requires a strong commitment regarding this particular topic. Therefore, this Special Issue aims to contribute to the connection between the structure and properties of different types of polymeric foams and how they relate to other relevant aspects, such as their chemical composition or the selected foaming process.

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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