

Special Issue

Thermoplastic Foams: Processing, Manufacturing, and Characterization, 2nd Edition

Message from the Guest Editor

This Special Issue brings together research and review articles addressing the synthesis, modification, characterization, and processing of porous polymer composites for a wide spectrum of applications.

Polymer foams are widely used in both industry and everyday products. Structurally, foams consist of a polymer matrix encapsulating gas, resulting in a microcellular structure that may be rigid or flexible, with open or closed cells. This tunable morphology, combined with the choice of polymer type and additives, offers nearly unlimited opportunities for tailoring material performance.

In light of increasing environmental concerns, current research also focuses on sustainable alternatives. Biocomposites and foams derived from biomass or recyclates are gaining particular attention, offering pathways toward eco-friendly materials that meet both market demands and environmental standards.

I warmly invite you to submit your manuscripts to this Special Issue. Original research papers, reviews, and communications are all welcome.

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 4.9.

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

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