Special Issue

Thermoplastic Foams: Processing, Manufacturing, and Characterization

Message from the Guest Editor

Polymer foams reduced thermal conductivity, high energy absorption and excellent strength-to-weight ratio, have found many applications. Foam is a polymer matrix in which gas is enclosed, giving the material a microcellular structure. Due to the structure, foams can be rigid or flexible, with a closed or open cell structure. The morphology of the foam itself provides unlimited possibilities in imparting new properties to the prepared foams, not to mention the type of polymer material or additives, which may also affect the possibility of obtaining foams with different/improved properties.

However, due to the need to reduce the carbon footprint and the consumption of petroleum-based raw materials, there is a constant search for new raw materials for obtaining polymer composites, including foams, that will meet the growing market requirements and environmental standards. Hence, scientists are making efforts to produce polymer biocomposites, which will partially eliminate the need to use petrochemical raw materials and will give the green light to the use of biomass or recyclates.

I am pleased to invite you to submit manuscripts for this Special Issue.

Guest Editor

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Deadline for manuscript submissions

closed (31 July 2025)

Polymers

an Open Access Journal by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed

mdpi.com/si/186994

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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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