

Special Issue

Plastics

Message from the Guest Editors

Plastic deformation and fracture processes, both in the laboratory conditions and in industrial practice, are largely dealt with at a phenomenological level, and often separately for different polymers, blends, composites, and less often from a mechanistic perspective. This makes the mechanisms governing the deformation and fracture resistance of polymers important to be well understood. At the same time, fundamental developments in polymer materials science and polymer physics are now making it possible to consider plastic deformation and fracture at an appropriate molecular and morphological level. Moreover, insight gained from computational simulations and mechanistic modeling is also broadening this perspective. The aim of this Special Issue is to present a coherent picture of the plastic deformation and fracture of polymer materials of different structures and architectures. I invite research articles, communication articles, or review articles covering various aspects of plastic deformation and fracture of polymer materials.

Guest Editors

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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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