

Special Issue

Advanced Polymeric Materials for Harsh Environments: Innovations, Challenges and Applications

Message from the Guest Editor

With the development of society, functional fibre and fibre-reinforced composites have been widely used due to their high performance. This Special Issue focuses on the development, characterization, and application of materials designed to perform reliably under extreme and harsh environments, such as high temperatures, low temperatures, corrosive atmospheres, high pressures, high loading, and radiation. The aim is to explore innovative approaches in materials science to address the challenges posed by these conditions across a wide range of high-performance industries, including the energy, sports, aerospace, automotive, marine, and defence sectors.

We invite submissions of high-quality original research articles, comprehensive reviews, and case studies covering (but not limited to) the following topics:

- The design and synthesis of advanced materials for extreme environments;
- High-temperature materials, including ceramics, refractory metals, and superalloys;
- Corrosion-resistant materials and coatings for aggressive chemical environments;

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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