

Special Issue

Innovative Thermoplastic Composites

Message from the Guest Editor

Thermoplastic composites (TPCs) have recently gained prominence in engineering due to their properties, ease of repairability, and reusability, which are vital for sustainability. Like any other engineering material, TPCs have their unique merits, demerits, and challenges. The number of researchers working on addressing some of these have been increasing each day. This Special Issue, therefore, intends to provide a much-needed platform to all such researchers and engineers who are interested as well as working on various types of TPCs or TPC-related topics. We welcome any original research/review work on innovative TPCs, including their manufacturing, processing science, mechanical testing, fatigue life, impact resistance, buckling characteristics, fracture and failure modes, high-value as well as futuristic applications, in-service reliability, long-term challenges, environmental susceptibility, recyclability, reusability, and repairability. Even studies on machine learning-based material or predictive models are 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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