

Special Issue

Dynamic Behavior of Polymer Composite Materials and Structures

Message from the Guest Editors

Polymer composite materials have been increasingly employed in a broad range of engineering fields, such as the automobile, aviation, aerospace, and defense industries, owing to their high specific stiffness and strength. In such applications, composite structures are vulnerable to various dynamic loads, including dropped tools, hailstones, windborne objects, bird strikes, runway debris, etc. This Special Issue aims to provide a platform for researchers to share the latest results on the mechanical behavior of polymer composite materials under dynamic loading conditions involving a high strain rate, impact, blast, penetration, and shock response. New developments in experimental techniques, modeling approaches, diagnostics, and optimizations for the study of polymer composites in the dynamic regime are also of particular interest. Polymer composite materials of interest include, but are not limited to, fiber-reinforced polymer laminates, sandwich panels, lightweight cellular solids, bioinspired composite materials, 3D-printed composites, etc.

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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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