



Advances in Functional Rubber and Elastomer Composites

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Deadline for manuscript
submissions:

closed (25 August 2023)

Message from the Guest Editor

Rubbers or elastomers are known for their unique stretchability among viscoelastic materials. While stretchability is an important factor for flexible applications, in many advanced cases, it cannot be applicable due to its insufficient mechanical, electrical, thermal, and magnetic properties. In advanced applications, the rubber needs special properties, such as self-healing, electrical conductivity, thermal conductivity, and magnetic properties. To improve these features, either special rubber or filler materials holding special properties can be utilized.

In this Special Issue, we aim to gather knowledge related to the synthesis, characterization, and properties of advanced functional rubbers and elastomers composites for smart mechanical, electrical, magnetic, and other advanced applications. Theoretical discussion and review papers related to advanced rubber composites are also highly welcomed.





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Message from the Editor-in-Chief

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