



## Graphene-Based Polymers: From Synthesis to Applications

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### Message from the Guest Editor

The integration of graphene with its unique electronic structure into polymer architectures has enabled generation of novel materials and surfaces with enhanced performance in various fields of application. The excellent properties of ultrathin graphene, from large thermal conductivity to exceptional mechanical strength and electrochemical properties, combined with its high specific surface area allow to provide potential solutions for many technological challenges.

Topics of interest for this Special Issue include graphene-based multifunctional polymers and nanocomposites for chemical, biomedical and environmental applications, graphene/polymer hydrogels and aerogels, graphene-based sensors for monitoring of structural integrity and human health, nano-engineered lightweight polymer materials and structures for aerospace applications. Original research articles addressing both experimental and theoretical aspects, and reviews describing the current state-of-the-art are welcome.





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## Message from the Editor-in-Chief

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