



Synthesis and Application of Carbon-Based Nanomaterials and Topological Polymers

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Message from the Guest Editor

The dynamic development and rapid technological progress is enabled by the usage of modern materials based on the unique chemical and structural properties of compounds in their synthesis. Carbon-based nanomaterials and topological polymers have received special attention, both in terms of the possibilities of creating and modelling their structure and properties, and the wide range of applications such as medicine, pharmacy, analytics, nanotechnology, nanoengineering, and micromechanics. Among carbon-based nanomaterials, graphene, quantum dots, and nanodiamonds—as well as well-known fullerenes, nanotubes, porous and activated carbons, and all their derivatives—still attract significant interest. The great diversity of topological polymers includes linear, branched, cyclic and other spatial architecture materials as a result of special molecules used in their synthesis.

It is my pleasure to invite you to submit a manuscript for this Special Issue. Full papers, reviews and communications covering recent advances in preparation, characterization, and applications of carbon-based nanomaterials, topological polymers and other functional materials, are welcomed.





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Message from the Editor-in-Chief

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