

## Special Issue

# Synthesis, Properties and Applications of Graphene and Carbon Nanotubes

### Message from the Guest Editor

Synthesis of atomically precise carbon-based nanostructures has become one of the most relevant branches of modern material science. The possibility of managing physical properties through the size, shape, and edge topology allows for the design of materials with a wide range of possible applications. Aryl–Aryl coupling serves as a key transformation in the bottom-up construction of the desired nanostructures. It is, therefore, crucial to develop new synthetic tools that allow for the formation of effective C–C bonds suitable for the rational construction of nanographenes and related carbon-based nanomaterials. This Special Issue of *Nanomaterials* aims to provide an overview of recent advances in carbon-based nanomaterials, including in their synthesis, fabrication, properties, and applications.

### Guest Editor

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### Deadline for manuscript submissions

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## About the Journal

### Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

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### Editor-in-Chief

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