# Special Issue

## Advanced Carbon Chemistry and Its Applications

### Message from the Guest Editor

Carbon materials have had a huge impact within the scientific community and been extensively utilized in energy storage, catalysis, biosensors, and high-flux membranes due to their high chemical stability, low cost, and wide range of sources. Due to its useful physicochemical properties, carbon with various nanostructures has attracted increased interest in recent years, with new carbon materials with suitable performance being continuously reported. This special issue focuses on the synthesis, characterization, and evaluation of advanced carbon-based materials, such pure carbon materials, carbon /metal oxides composites, and carbon /metal composites, and so on, including their various application in different fields. We welcome original papers, short articles, and reviews that report on the fabrication, development, or application of such carbon-based materials. We look forward to receiving your contributions.

### 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.

## Editor-in-Chief

Prof. Dr. Eugenia Valsami-Jones
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