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# Carbon-Doped Nanocomposites for Catalytical Application

Guest Editor:

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Deadline for manuscript submissions:
**closed (31 July 2022)**

## Message from the Guest Editor

Dear Colleagues,

Highly effective catalysts are required to achieve sustainable development goals (SDGs), and the usage of carbon in functional materials is desirable in view of natural resources. This Special Issue is focused on catalysis system-containing carbon. The materials in focus are nanocarbon, carbides, semiconductor or metal nanoparticles supported by carbon-based materials, and their composite systems. The catalysis includes heterogeneous catalysis for organic synthesis, electrocatalysis for fuel cells, photocatalysis for energy or mitigating pollutants, but not limited to them. We welcome papers showing the innovative or highly effective role of nanostructured carbon or carbon-containing compounds in catalytic functions, in the functionalization of the system, or in preparation processes.

Prof. Toshihiro Shimada
*Guest Editor*

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## Editor-in-Chief


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## 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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