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Nanostructured Carbons for Environmental and Energy Technologies

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Deadline for manuscript submissions:
closed (20 March 2021)

Message from the Guest Editors

Carbon-based nano-materials are increasingly present in many aspects of current science and technology. These materials present a wide variety of properties with unique applications in different fields of biomedicine, catalysis, or energy such as: drug delivery systems, catalytic reactions, air and wastewater treatment, clean and renewable energies, green chemistry, hydrogen production and storage, energy storage, CO_2 capture and transformation, polymers and new materials, among others.

The special issue will be devoted to new developments and fundamental advances on carbon materials covering both fundamental and applied aspects in the preparation of these materials from different precursors, their characterization through a broad spectrum of experimental techniques and its behavior in environmental processes and for energy conversion and storage.

It is our pleasure to invite you to submit a manuscript for this Special Issue. Full papers, short communications, and reviews are welcome.

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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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