# Special Issue

# Nanostructured Materials Enabled Biomedical and Environmental Applications

## Message from the Guest Editor

In recent years, the applications of multifunctional nanostructured materials (i.e., nanoparticles, nanotubes, nanocomposites, nanopolymers, quantum dots) have attracted many researchers in different fields, in particular environmental science, human health, and nanomedicine. This Special Issue of *Nanomaterials*, entitled "Nanostructured Materials Enabled Biomedical and Environmental Applications", aims to collect new studies that highlight synthesis, modification, properties, and applications in the biomedical and environmental fields areas related to functional nanosystems and nanomaterials. The biomedical applications of nanomaterials include but are not limited to bioimaging, biosensors, antioxidant, antibacterial, and antimicrobial characteristics, thermal therapy, cancer therapy, drug delivery, targeting, etc. The environmental applications of nanomaterials include but are not limited to environmental detection, waste remediation, air treatment, soil treatment, water and air pollutants monitoring, CO2 capture and conversion, heavy-metal extraction, etc. We look forward to receiving your submissions.

## Guest Editor

Dr. Chandan Singh

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## Deadline for manuscript submissions

closed (31 August 2023)

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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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