

Special Issue

2D Nanomaterials for Medical Applications

Message from the Guest Editors

This Special Issue aims to explore the cutting-edge applications of two-dimensional nanomaterials in the realm of medicine. We invite authors to share their innovative research, novel findings, and groundbreaking developments, all aimed at pushing the boundaries of medical science using these remarkable materials. We seek high-quality, original research articles, reviews, and perspective papers that encompass, but are not limited to, the following areas:

- Biocompatible 2D nanomaterials for drug delivery;
- 2D nanomaterials for bioimaging and diagnostics;
- Tissue engineering and regenerative medicine with 2D nanomaterials;
- 2D nanomaterials in targeted therapy and precision medicine;
- Toxicology and safety considerations of 2D nanomaterials in medical applications;
- Scaling up 2D nanomaterial synthesis for practical medical use.

We look forward to receiving your contributions.

Guest Editors

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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

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