Special Issue

Two Dimensional Materials for Biomedical Applications

Message from the Guest Editor

The purpose of this Special Issue is to highlight the latest advances in the use of 2D materials in all biomedical and related fields, such as targeted cancer therapies, drug delivery, biosensors, antibacterial, antiviral therapies, photothermal, and catalysis. Proposals relating to tissue engineering and to the applications for motor support are also welcomed. Furthermore, topics that do not include administration and contacts with biological systems are also included. All 2D systems are considered, from graphene-based systems to black phosphorus, nanosheets, MXenes, MBenes, LDH, MOFs, and COFs, in single- or several-monolayer statuses. This Special issue focuses on the cutting-edge research of two-dimensional biomaterials, and therefore aims to accelerate the translation of 2D technology, bringing promising results in clinical research and promoting human healthcare. Experimental and theoretical contents are both welcomed, presented in the form of articles, reviews, or communications. please see more details here: mdpi.com/si/203168

Guest Editor

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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.

Editor-in-Chief

Prof. Dr. Eugenia Valsami-Jones
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