



Graphene and Related 2D Materials

Guest Editor:

Prof. Dr. Gwan-Hyoung Lee

Department of Materials Science
and Engineering, Seoul National
University, Seoul, Republic of
Korea

Deadline for manuscript
submissions:

closed (20 June 2023)

Message from the Guest Editor

Dear Colleagues,

Graphene and related 2D materials are actively studied in many fields of nanomaterials, including next-generation electronics, filters, catalysts, sensors, biomedical applications, and more. Due to their unique properties, graphene and related 2D materials are promising candidates to overcome the limitations of conventional three-dimensional bulk materials.

The scope of this issue ranges from synthesis and modification of 2D materials to properties, and practical applications. This Special Issue focuses on both scientific and engineering aspects of graphene and related 2D materials with fundamental properties, defects, and phase transitions that enable observation of unprecedented physical phenomena and achievement of state-of-the-art electronic devices. See more information in

<https://www.mdpi.com/si/68056>

Prof. Dr. Gwan-Hyoung Lee
Guest Editor





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Shirley Chiang

Department of Physics, University
of California Davis, One Shields
Avenue, Davis, CA 95616-5270,
USA

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.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [PMC](#), [CAPlus / SciFinder](#), [Inspec](#), and [other databases](#).

Journal Rank: JCR - Q1 (*Physics, Applied*) / CiteScore - Q1 (*General Chemical Engineering*)

Contact Us

Nanomaterials Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/nanomaterials
nanomaterials@mdpi.com
[X@nano_mdpi](#)