



## Low Dimensional Materials for Environmental and Biomedical Applications

Guest Editors:

**Dr. Mauricio Terrones**

**Dr. Yin-Ting Yeh**

**Dr. Kazunori Fujisawa**

Deadline for manuscript  
submissions:  
**closed (25 August 2019)**

### Message from the Guest Editors

Dear Colleagues,

Low dimensional materials have unique anisotropy of material properties. Recent advancements of low dimensional materials studies have built a solid foundation of novel technologies. We invite researchers to submit their contributions in low dimensional materials with applications that focus on researches of environment and biomedical applications. Any format of articles is welcome, including full papers, communications, perspectives, and reviews. This Special Issue aims to cover the following potential topics but is not limited to:

- 1) Synthesis of low dimensional materials and preparations of their chemical or physical derivatives;
- 2) Characterizations of low dimensional materials;
- 3) Functionalizations and engineering approaches of low dimensional materials;
- 4) Demonstrations of bio-related applications;
- 5) Technology development for environmental sustainability, such as gas sensing, molecule detection and absorption, water purification, and energy.

Please [click here to submit your manuscript](#).

Dr. Mauricio Terrones

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*Guest Editors*



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# Special Issue



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## Editor-in-Chief

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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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