

## Special Issue

# Advances of Graphene-Based Nanoplatforms

### Message from the Guest Editors

Much of the current research in materials science and technology is focused on obtaining miniaturized devices and developing intelligent systems with multiple functionalities. In other words, there is a strong demand for new functional materials, which are called to play a fundamental role in areas as relevant as energy, the environment, and even the economy. Moreover, to overcome many of today's technological challenges, the components produced will also require greater efficiency, and because of this, nanomanufacturing (or preparative nanotechnology) is rapidly evolving towards the production of composite micro- and nanomaterials with precise structures and properties. Within this context, there is an increasing interest in the development of new methods for the synthesis of 2D and 3D solid-state nanoplatforms, based mainly on combined formulations of graphene with metals, metal oxide semiconductors and molecules.

---

### Guest Editors

Dr. David G. Calatayud

Department of Electroceramics, Spanish National Research Council, Serrano, 117-28006 Madrid, Spain

Dr. Boyang Mao

Cambridge Graphene Centre, Engineering Department, University of Cambridge, Cambridge CB3 0FA, UK

---

### Deadline for manuscript submissions

closed (15 May 2022)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/46659](https://mdpi.com/si/46659)

*Applied Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[appls@mdpi.com](mailto:appls@mdpi.com)

[mdpi.com/journal/](https://mdpi.com/journal/)

[appls.c](https://appls.c)





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/journal/  
applsci](https://mdpi.com/journal/applsci)



## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

---

### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
20133 Milano, Italy

---

### 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), Ei Compendex, Inspec, Embase, CAPIus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering )