

# Special Issue

## Recent Trends and Applications of 2D Materials

### Message from the Guest Editors

Our Special Issue aims to explore the latest advancements and diverse applications in the field of two-dimensional (2D) materials across multiple fields. With the overarching goal of shedding light on the latest research and innovation on this topic, this Special Issue will delve into the synthesis, characterization, properties, and applications of various 2D materials, including but not limited to graphene, transition metal dichalcogenides (TMDs), hexagonal boron nitride (h-BN), and other emerging nanomaterials. Encompassing a wide array of disciplines, the scope of this Special Issue spans electronics, photonics, energy storage, catalysis, sensing, and beyond, reflecting the interdisciplinary nature and versatility of 2D materials. This Special Issue will aim to inspire further exploration, collaborations, and breakthroughs in this rapidly evolving field, driving advancements with the potential to revolutionize a range of industries and technologies.

### Guest Editors

Dr. Sergio García Dalí

Instituto de Ciencia de Materiales de Sevilla (ICMS), University of Seville, 41092 Seville, Spain

Dr. Alfonso Policicchio

Department of Physic, Universit della Calabria, Via Pietro Bucci, 87036 Arcavacata di Rende, Italy

### Deadline for manuscript submissions

10 August 2025



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/207685](https://mdpi.com/si/207685)

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

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





# 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, CAPlus / SciFinder, and other databases.

#### Journal Rank:

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