





an Open Access Journal by MDPI

# **2D Materials-Based Devices and Applications**

Guest Editors:

Dr. Mingyuan Chen

Dr. Feng Wu

Dr. Qijun Zong

Dr. Jialiang Shen

Dr. Nurul Azam

Deadline for manuscript submissions:

20 August 2024

## **Message from the Guest Editors**

Dear Colleagues,

This Special Issue aims to present original, state-of-the-art articles on physics, devices, mechanisms, fabrication technologies, and applications involving 2D materials, including theoretical, numerical, and experimental studies. We welcome both original research and review articles.

Topics of interest include, but are not limited to:

- Synthesis, fabrication, characterization, and properties of 2D materials.
- Device physics and integration of 2D materials.
- Light-matter interactions involving 2D materials.
- Spectroscopy and imaging involving 2D materials.
- Energy storage applications using 2D materials.
- Wearable devices containing 2D materials.
- Biochemical sensors containing 2D materials.
- Bound states in the continuum in nanostructures containing 2D materials.
- Quantum technology involving 2D materials.
- Machine learning methods involving 2D materials.











an Open Access Journal by MDPI

### **Editor-in-Chief**

#### Prof. Dr. Flavio Canavero

Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

## **Message from the Editor-in-Chief**

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

### **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),

CAPlus / SciFinder, Inspec, and other databases.

Journal Rank: JCR - Q2(Electrical and Electronic Engineering) CiteScore - Q2 (Electrical

and Electronic Engineering

#### **Contact Us**