



## 2D Nanomaterials Processing and Integration in Miniaturized Devices

Guest Editors:

**Prof. Dr. Candido Fabrizio Pirri**

1. Department of Applied Science and Technology, Politecnico di Torino, C.so Duca degli Abruzzi 24, 10129 Turin, Italy  
2. Center for Sustainable Future Technologies, Italian Institute of Technology, Via Livorno 60, 10144 Turin, Italy

**Dr. Matteo Cocuzza**

1. Department of Applied Science and Technology, Politecnico di Torino, C.so Duca degli Abruzzi 24, 10129 Turin, Italy  
2. Institute of Materials for Electronics and Magnetism, IMEM-CNR, Parco Area delle Scienze 37/A, 43124 Parma, Italy

Deadline for manuscript submissions:

**closed (1 July 2020)**

### Message from the Guest Editors

Dear Colleagues,

A relatively populous and ever-expanding class of innovative materials are 2D nanomaterials with a disruptive potential for different application contexts. Although for some of them, such as graphene, various possible implementations have already been explored in different application fields, others, (e.g. Mxenes), are still relatively at an infantile stage with regard to handling, stability, exploitation, processing, and practical use in devices and higher dimensionality structures. Accordingly, this Special Issue aims to showcase research papers, short communications, and review articles outlining recent progress and innovative approaches for 2D nanomaterials synthesis and/or processing, preparatory to their assembly or integration into devices, microstructures, microsensors, and composites for different application fields. Descriptions of subsequent miniaturized devices and systems (MEMS, microsensors, devices for different application fields like energy, bio, environment, etc.) integrating 2D nanomaterials are welcome and strongly encouraged.





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Ai-Qun Liu

1. Department of Electrical and Electronic Engineering, The Hong Kong Polytechnic University, Hong Kong, China  
2. School of Electrical and Electronic Engineering, Nanyang Technological University, Singapore 639798, Singapore

## Message from the Editor-in-Chief

You are invited to contribute research articles or comprehensive reviews for consideration and publication in *Micromachines* (ISSN 2072-666X). *Micromachines* is published in the open access format. Research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the general public have unlimited free access to the content as soon as it is published. As an open access journal, *Micromachines* is supported by the authors or their institutes by payment of article processing charges (APC) for accepted papers. We are pleased to welcome you as our authors.

## 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, Ei Compendex, dblp, and other databases.

**Journal Rank:** JCR - Q2 (*Physics, Applied*) / CiteScore - Q2 (*Mechanical Engineering*)

## Contact Us

---

*Micromachines* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/micromachines](http://mdpi.com/journal/micromachines)  
[micromachines@mdpi.com](mailto:micromachines@mdpi.com)  
[X@micromach\\_mdpi](https://twitter.com/micromach_mdpi)