

# Special Issue

## Advances in Photodetectors

### Message from the Guest Editors

Semiconductor-based photodetectors have been a hot research topic for the last 20 years and represent an ever-growing scientific and industrial field, with manyfold applications from telecommunications to environmental sensing. Novel materials and fabrication techniques have recently opened new perspectives for the realization of the next-generation photodetectors with outstanding performance in terms of speed, sensitivity, and ease of integration with CMOS electronics. This special issue aims to showcase research papers, letters, and review articles with a strong focus on the recent advances in photodetectors technology operating in several different spectral ranges, from high-energy to THz radiation.

### Guest Editors

Dr. Andrea De Iacovo

Department of Engineering, University of Rome "Roma Tre", INFN, CNISM, Rome, Italy

Dr. Jacopo Frigerio

Physics Department, Politecnico di Milano, Piazza Leonardo da Vinci 32, 20131 Milan, Italy

### Deadline for manuscript submissions

closed (31 December 2022)



# Micromachines

an Open Access Journal  
by MDPI

Impact Factor 3.0  
CiteScore 6.0  
Indexed in PubMed



[mdpi.com/si/120283](https://mdpi.com/si/120283)

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

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





# Micromachines

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.0  
CiteScore 6.0  
Indexed in PubMed



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



## About the Journal

### 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.

---

### 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

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Ei Compendex, dblp, and other databases.

#### Journal Rank:

JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Mechanical Engineering)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.2 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the first half of 2025).