

## Special Issue

# Advances in Nanophotonic Sensors, Devices and Functional Applications

### Message from the Guest Editors

The Special Issue is devoted to, but not limited to, the following topics:

- Nanophotonic material and design: theoretical simulation for nanophotonics material, design, and devices.
- Nanophotonic materials, structure, and their fabrication: nanophotonic fabrications, fluorescence materials, metamaterials, organic photonic materials, nano-LED, OLED, low-dimensional materials for nanophotonic, nano-optic, nanoscale photolithography, 3D photolithography, electron beam lithography (EBL), nanostructures and nanoparticles for nanophotonic applications.
- Nanophotonic sensors: LAPS, Optofluidic, plasmonic devices, surface-enhanced Raman spectroscopy (SERS), fiber optic sensor, and photonic crystal.
- Nanophotonic devices: energy harvesting, photovoltaics, photodetectors, phototransistor, nano-gratings, waveguides, artificial photosynthesis materials and devices.
- Nanophotonics integration: optical system, instrumentation optics, and circuit for functional applications in optics and photonics.
- Nanophotonics applications: chemical sensors, gas sensors, biosensors, food quality and safety, environmental monitoring, colorimetry sensing, energy harvesting, and artificial photosynthesis.

### Guest Editors

Dr. Brilliant A. Prabowo

INL-International Iberian Nanotechnology Laboratory, Avenida Mestre José Veiga, 4715-330 Braga, Portugal

Dr. Anirban Das

School of Engineering and Materials Science, Queen Mary University of London, London E1 4NS, UK

### Deadline for manuscript submissions

closed (28 February 2023)



## Electronics

an Open Access Journal  
by MDPI

Impact Factor 2.6  
CiteScore 6.1



[mdpi.com/si/129989](https://mdpi.com/si/129989)

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

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





# Electronics

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.6  
CiteScore 6.1



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



## About the Journal

### 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.

---

### Editor-in-Chief

Prof. Dr. Flavio Canavero

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

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), CAPus /  
SciFinder, Inspec, Ei Compendex and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Electrical and Electronic) /  
CiteScore - Q1 (Electrical and Electronic Engineering)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).