

Special Issue

Advanced Photonics and Sensors

Message from the Guest Editor

We are pleased to invite you to contribute to a Special Issue focused on photonics and sensors, a continually evolving field at the intersection of physics and materials science. Photonics and sensors are essential in next-generation technologies such as advanced photonic systems, high-speed optical communications, environmental monitoring, and biomedical imaging. In recent years, advancements in materials science, the integration of novel materials, nano/microfabrication techniques, and AI-driven signal processing have opened new opportunities for miniature, high-speed, and highly sensitive photonic devices. To surpass existing technologies, interdisciplinary collaboration is necessary to address challenges including real-time data acquisition and processing, low power consumption, and multifunctional systems. This Special Issue aims to provide a platform for showcasing cutting-edge research and highlighting emerging trends within the photonics and sensor communities.

Guest Editor

Dr. Mahendran Vellaichamy

Department of Condensed Matter Physics, Institute Jozef Stefan, 1000 Ljubljana, Slovenia

Deadline for manuscript submissions

28 February 2026



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/250204

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
appls@mdpi.com

mdpi.com/journal/

[appls](https://appls.mdpi.com)





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)