Special Issue

Novel Fabrication Methods and Materials of Photonic Devices

Message from the Guest Editor

This Special Issue will focus on the latest advances of photonic devices and systems based on the development of novel fabrication methods, so enabling the use of photonics as a disruptive technology for the next generation of devices for communications, lighting, sensing, etc. Both review articles and novel research papers are solicited, covering the following areas:

- Original fabrication methods, techniques, and approaches in photonics.
- New materials and improvements in established photonic platforms (i.e., silicon platforms, plasmonics, metamaterials, 2D materials, hybrid systems).
- Fabrication of novel photonic structures for light control and manipulation down to nanoscale (i.e., resonant metasurfaces, nanosensors, metalenses, trapping nanotweezers)
- Methods for device integration on a single-chip to realize new photonic systems and platforms.

Guest Editor

Dr. Donato Conteduca
Photonics Group, University of York, Heslington, York YO10 5DD, UK

Deadline for manuscript submissions

closed (25 November 2021)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/45353

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

mdpi.com/journal/applsci

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/journal/applsci

MDPI

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)