



Recent Advances in Plasmonics and Nanophotonics

Guest Editors:

Prof. Dr. Domenico de Ceglia

Department of Information Engineering, University of Padova, 35121 Padova, Italy

Dr. Maria Antonietta Vincenti

Department of Information Engineering, University of Brescia, Brescia, Italy

Deadline for manuscript submissions:

closed (30 June 2020)

Message from the Guest Editors

This Special Issue aims to provide an overview of the latest advances in fundamentals and applications of plasmonics and nanophotonics. All aspects of optics at the nanoscale are welcome, including, but not limited to, the following topics:

- Physical optics of nanostructures
- Nanoplasmonics
- Nonlinear optics of nanostructures
- Quantum, nonlinear and nonlocal effects in plasmonic nanostructures
- All-dielectric metasurfaces
- Nanoantennas and Mie resonators
- Optothermal properties of photonic nanostructures
- Metamaterials, metasurfaces, photonic crystals, and nanostructured diffraction gratings
- Nanowaveguides
- Theory and modeling of photonic nanostructures
- Photonics of 2D materials
- Nanofabrication techniques





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

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.

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 Compindex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

Contact Us

Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](#)