



an Open Access Journal by MDPI

Active Nano Optics

Guest Editors:

Prof. Dr. Branko Kolaric

Micro- and Nanophotonic
Materials Group, University of
Mons, 7000 Mons, Belgium

Dr. André Stefanov

Institute of Applied Physics,
University of Bern,
Hochschulstrasse, 63012 Bern,
Switzerland

Prof. Dr. Brana Jelenkovic

Center for Photonics, Institute of
Physics, University of Belgrade,
11000 Belgrade, Serbia

Deadline for manuscript
submissions:

closed (30 March 2022)

Message from the Guest Editors

Dear Colleagues,

In this Focus Issue, we have the ambition to cover classical areas of nano-optics, including nanophotonics and plasmonics, and go beyond those and towards quantum effects, for instance, strong coupling and quantum plasmonics. This issue will be covering how cutting-edge technologies and ground-breaking ideas in nano-optical research can be combined in an interdisciplinary approach to address fundamental challenges in nanooptics and define new routes for applications in the classical and quantum domain. The main focus for applications of nanoscale optics and photonics is on quantum communication and sensing, including single photon detection and generation, biophotonics, and materials science.

Prof. Dr. Branko Kolaric
Prof. Dr. Andre Stefanov
Prof. Dr. Brana Jelenkovic
Guest Editors



mdpi.com/si/33621



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

Journal Rank: JCR - Q1 (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](#)