



Sub-wavelength Optics

Guest Editor:

Prof. Fadi Baida

Département d'Optique P.M.
Duffieux, Université Bourgogne
Franche-Comte, Besançon,
France

Deadline for manuscript
submissions:

closed (28 February 2019)

Message from the Guest Editor

Dear Colleagues,

Following the growing developments of nanotechnology, nano-structure manufacturing processes have multiplied and led to the miniaturization of high-performance optical components. These components are not limited to usual functions, such as bulk devices, but claim exotic behaviors never highlighted in conventional optics. In this context, sub-wavelength optics has become a key element in the understanding and design of such components. This Special Issue on “Sub-Wavelength Optics” provides an overview of recent advances in this field through invited papers covering all areas ranging from fundamental theoretical principles to applications in different domains.

Prof. Fadi Baida

Guest Editor

- Near-field optics (theory and modeling)
- Light-matter interaction (linear and non-linear)
- Plasmonics
- Metasurfaces
- Photonic crystals
- Nano-device coupling
- Nano-sensors
- TeraHertz and microwave nanophotonics
- Nano-spectroscopy (SERS, fluorescence, etc.)
- Optical forces (Nano-tweezers)
- Quantum optics





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 - Q2 (*Engineering, Multidisciplinary*) / CiteScore - Q1 (*General Engineering*)

Contact Us

Applied Sciences Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](https://twitter.com/Applsci)