



## Optical Properties of Metallic and Semiconductor Nanostructures

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Deadline for manuscript  
submissions:

**closed (30 June 2021)**

### Message from the Guest Editor

This Special Issue's aim is to collect research contributions in the area of optical properties of metallic and semiconductor nanostructures. We invite manuscripts covering a broad range from theoretical models and methods to experimental and device realizations. Focusing on applications in linear and nonlinear optics, light emission, manipulation, detection and high harmonic generation is especially welcome. We invite also contributions in the fields of excitons and exciton-polaritons in semiconductor nanostructures, nanoplasmonics, metallic and semiconductor metasurfaces, and new van der Waals two-dimensional layered semiconductors.

In this Special Issue we welcome both original research papers and review articles on diverse topics such as:

- semiconductor quantum wells/wires/dots LEDs and lasers
- photonic detectors and switches
- semiconductor microcavities
- excitons and exciton-polaritons in semiconductor nanostructures
- photonic crystal slabs
- metallic and all-dielectric metasurfaces
- electromagnetic resonances
- high harmonic generation





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## 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.

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