

## Special Issue

# New Trends on Nonlinear Optics in Nanostructures and Plasmonics

### Message from the Guest Editor

For a long time, nonlinear optics remained a rapidly and dynamically developing field of science. Currently, nonlinear optics has received a new breath, which is associated with the study of nanostructures. This Special Issue aims to provide a platform for researchers to share the latest advancements in Nonlinear Optics in nanostructures and Plasmonics. Potential topics include but are not limited to the following:

- theory, simulation, applications and experimental studies of nonlinear optical effects on surfaces and interfaces, in 2D-dimensional systems, nanostructures, and plasmonics;
- plasmonic and hybrid plasmonic nanostructures for enhanced nonlinear optics;
- terahertz radiation generation in nanostructured materials;
- nonlinear optical diagnostics of nanostructures;
- photocurrent and photovoltage in nanostructures and plasmonic materials induced by nonlinear optical effects;
- photothermal nonlinearity in nanostructured materials

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### Guest Editor

Prof. Dr. Gennady M. Mikheev  
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### Deadline for manuscript submissions

closed (30 September 2023)



## Applied Sciences

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## 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.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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