# Special Issue

# Frontiers in Optical Materials

## Message from the Guest Editors

Optical metamaterials promise applications in planar meta-lens, polarization conversion plates, topological optical devices, optical holograms, displaying and imaging, etc. The scientific breakthroughs made in this new class of electromagnetic materials are closely linked to progress in developing physics-driven design, full-wave simulations combining advanced machine learning, and novel parallel fabrication methods. We expect this Special Issue to gather cutting-edge research and recent works on the topics related to this field, including but not limited to optical metasurfaces and/or stereo-metamaterials with useful functions, dynamically tunable metamaterials, advanced design methods and concepts of metamaterials, as well as interesting physics on light–matter interactions in all dielectric and plasmonic metamaterials. Hopefully, the collections in this Special Issue will contribute to the development of this field and accelerate the pace of optical metamaterials towards a wide range of practical applications.

## Guest Editors

Prof. Dr. Jun-Jun Xiao

Dr. Qiang Zhang

Dr. Zhenzhen Liu

## Deadline for manuscript submissions

closed (20 January 2023)

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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.

## Editor-in-Chief

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