

## Special Issue

# Optical Composites, Nanophotonics and Metamaterials

### Message from the Guest Editors

The realm of optical composites, nanophotonics, and metamaterials stands at the forefront of contemporary photonics research, representing a confluence of interdisciplinary pursuits that have significantly shaped the landscape of optical science and engineering. This Special Issue of *Nanomaterials* endeavors to encapsulate the forefront of research in optical composites, nanophotonics, and metamaterials, delving into a multifaceted exploration of the novel mechanisms underpinning optical devices. Beyond fundamental advancements, the Special Issue aspires to showcase the pragmatic relevance of these optical composites, providing a platform for discussions of the integration of smart designs into real-world applications. Whether probing the intricacies of light-matter interactions at the nanoscale or unveiling breakthroughs in optical device processing, the scope of this Special Issue is defined by its commitment to advancing the boundaries of knowledge in optical science and materials engineering. You can submit your paper at the following link: <https://www.mdpi.com/si/191916>

### Guest Editors

Dr. Hong Zhou

Dr. Dongxiao Li

Dr. Liangge Xu

Dr. Zhonglei Shen

### Deadline for manuscript submissions

closed (18 July 2025)



## Nanomaterials

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*Nanomaterials*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[nanomaterials@mdpi.com](mailto:nanomaterials@mdpi.com)

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## About the Journal

### Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

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### Editor-in-Chief

Prof. Dr. Eugenia Valsami-Jones

School of Geography, Earth and Environmental Science, University of  
Birmingham, Birmingham B15 2TT, UK

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