Special Issue

Nano-Optics and Nanophotonics

Message from the Guest Editors

This Special Issue titled “Nano-Optics and Nanophotonics” seeks to highlight the cutting-edge advances and research at the intersection of optical science and nanotechnology. This vibrant field extends far beyond traditional optics, allowing researchers to manipulate light at dimensions smaller than the wavelength of light itself. Harnessing the power of nanophotonics opens a new realm of possibilities for both science and technological innovation, revolutionizing fields such as telecommunications, ultrafast computing, advanced sensing technologies, and sustainable energy solutions. The ability to control light at such minute scales promises to unlock transformative applications, pushing the boundaries of what is possible in modern science and engineering. This Special Issue will serve as a platform to explore these revolutionary developments, driving forward the future of nano-optical systems.

Guest Editors

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Deadline for manuscript submissions

16 January 2026

Nanomaterials

an Open Access Journal by MDPI

Impact Factor 4.3
CiteScore 9.2
Indexed in PubMed

mdpi.com/si/219954

Nanomaterials
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mdpi.com/journal/nanomaterials

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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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