

Special Issue

Advanced Nanostructures in Thermal Engineering: Design, Fabrication and Application

Message from the Guest Editors

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Nanoscale heat transfer.
- Interfacial thermal transport in nano devices and composites.
- Applications of nanostructures in thermal management.
- Novel approaches to modulating thermal transport properties of nanostructures.

We are looking forward to receiving your contributions.

Guest Editors

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Prof. Dr. Hongyu Zheng

Dr. Bing Yang

Dr. Dongjing Liu

Deadline for manuscript submissions

closed (31 August 2025)



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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. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

Editor-in-Chief

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