

Special Issue

Heat Transfer in Nanocomposites: Theoretical Research and Application

Message from the Guest Editor

Dear Colleague, Heat transfer in nanocomposites is inspiring significant research findings in different research disciplines, including material engineering, thermal fluids, materials physics, and computer simulation. Different methods and applications are currently being studied, including nanofillers, nanotube, nanoplatelets, polymer nanocomposites, nanocompounds, and other nanostructure to enhance heat transfer. The studies associated with heat management applications, thermal interface materials, and nanocomposites with improved thermal properties are fascinating and challenging research topics, which are expected to explore a unique future research field. This Special Issue of Heat Transfer in Nanocomposites focuses on theoretical, experimental, and computational modeling research contributions that cover the most recent advances in heat transfer related issues.

Guest Editor

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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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