Special Issue

Thermal Properties and Features of Nanofluids

Message from the Guest Editor

Nanofluids are currently a popular research field. The main challenge with nanofluids is to obtain sustainable stability and persistent properties over a long duration. These challenges need to be overcome in order to explore their applications and benefits. Besides thermal properties, thermal transport features such as convection and boiling heat transfer are of great importance as they showed substantial enhancements and fewer inconsistencies among reported data. These thermal features are key for establishing nanofluids as advanced cooling media. The aim of this Special Issue is to cover a wide range of topics related to nanofluids with a special focus on key thermal properties and features, challenges, and applications in all spectra to make it a useful resource for anyone studying and or doing research in this field. Articles to be considered for this Special Issue include original full papers, communications, and critical reviews in any area/topic of the keywords and beyond. See more information in https://www.mdpi.com/si/142596

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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