Special Issue

Theory and Computational Model of Nanofluids

Message from the Guest Editors

Currently, nanofluids are commonly useful in food, nuclear power stations, medication, agriculture, and other applications. Such fluids are developed from the continuous dispersion of nano-sized particles in base fluids including water, lubricating oils, ethylene glycol, blood, or other fluids. Hybrid nanofluids are formed by the dispersion of two or more components in a given base fluid. Such fluids have numerous applications in medicine research and technology. The majority of medications are manufactured as hybrid nanofluids, and blood is utilized as a base fluid to assess the chemical interactions of compounds in blood. In addition, hybrid-type nanofluids are employed to improve the thermal efficiencies of base fluids. This Special Issue titled "Theory and Computational Model of Nanofluids" aims to discuss relevant contributions exhibiting theoretical and computational relations in nanofluids in order to improve the performance of heat transfer systems. We welcome original research articles as well as review articles dealing with the novel contribution of nanofluids. We look forward to receiving your contributions.

Guest Editors

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Deadline for manuscript submissions

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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.

Editor-in-Chief

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