Special Issue

Applications of Nanofluids – II

Message from the Guest Editor

The present Special Issue is a continuation of previous successful Special Issue entitled "Applications of Nanofluids". It is well-known that nowadays nanofluids can be found in different engineering fields including heat exchangers, solar collectors, electronics, vehicle engines and many others. Such positive applications of nanofluids can be explained by a rise of nanofluid's thermal conductivity and as a result, an increase in heat transfer rate is expected. It should be highlighted that nanoparticles are widely used in medicine as an effective addition to different coatings, or nanoparticles from biodegradable polymers can function very well as a transport vector for drugs. Such wide applications of nanofluids and nanoparticles can be enhanced due to detailed investigations of 'transport processes within these suspensions. Therefore, theoretical and experimental methods are very effective techniques for the aforementioned analysis... For further reading, please follow the link to the Special Issue website at: https://www.mdpi.com/si/73057.

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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