

Special Issue

Nanofluids and Their Applications

Message from the Guest Editors

Nanofluids have been extensively used in a wide variety of engineering applications. For heat transfer processes, this has been primarily driven by the potential of developing fluids with significantly-increased conductive and convective heat transfer properties. Specific emphasis in boiling phenomena and absorption and conversion of radiation are some examples of the possible utilizations of nanofluids. Other non-heat transfer applications that have considered the use of nanofluids include emerging synthesis techniques, mass transport, optics, consumer goods, electronics, and surfaces and catalysts. This Special Issue is developed to review the current state-of-the-art of nanofluids due to the rapid advances and increasing control in nano-material fabrication techniques. Because of the complex behavior of nanofluids, fundamental and applied studies in nanofluids are welcome. Papers focusing on the expansion of nanofluid applications in diverse, multidisciplinary research and development are also welcomed.

Guest Editors

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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