# Special Issue

# Dynamic, Magnetic and Thermal Properties of Nanofluids

## Message from the Guest Editors

Advanced electronic gadgets frequently encounter challenges because of the heat control from the enhanced thermal rise or the reduction in the available space for thermal emission. Such drawbacks are overwhelmed by the development of a pre-eminent model for heat-repelling equipment or by amplifying thermal transport features. One of the biggest challenges arises in how to manage efficient thermal transportation in heat exchangers. The idea of enhancing the thermal conductivity of working fluids promised a popular solution to the confronting situation. Nanofluids have expanded the enthusiasm for many engineering fields because of their excellent characteristics, which can be effectively utilized in electronics cooling and also improve energy effectiveness. For almost two decades, nanofluid has been used as an advanced heat transfer fluid, especially in power generation, transportation, electronics cooling, chemical production and biomedical industries.

**Keywords:**

- magnetohydrodynamics
- nanofluids
- thermal radiation
- heat transfer analysis
- numerical simulation

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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.

## Editor-in-Chief

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