Special Issue

Advances in Heat Transfer of Non-Newtonian Fluids

Message from the Guest Editors

This Special Issue is devoted to research on contemporary developments in the heat transfer characteristics of the flow of non-Newtonian fluids. Research papers in this direction are invited from computational, experimental, or theoretical approaches (or any combination thereof). For consideration, each research paper must include the two important fluid dynamical aspects in their investigation, namely, the heat transfer (or non-isothermal flow) aspect and the non-Newtonian fluid aspect. Comparative investigations, e.g., on heating and cooling applications, between non-Newtonian fluids and Newtonian fluids or between different types of non-Newtonian fluids are welcomed. Non-Newtonian fluids will be considered in the broadest sense, ranging from generalized Newtonian fluids to viscoelastic fluids. Contributions on the development of novel computational, experimental, or theoretical methodologies to study the non-isothermal flow of non-Newtonian fluids are also welcomed.

Guest Editors

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Prof. Dr. Samuel M. Tshehla

Dr. Precious Sibanda

Deadline for manuscript submissions

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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.

Editor-in-Chief

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