



Fluid Dynamics and Magnetogasdynamics

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

The recent study related to the Newtonian and non-Newtonian fluids with their valuable importance in engineering and in industry have been a source of inspiration to the researchers during few decade. The research interest and practical applications have produced a considerable interest in obtaining analytical or numerical solutions to the fluid flow problems. Some of their known applications are biological fluid movements, wire coating, food processing, plastic manufacturing, and so forth. In recent years, numerous researchers have been working on the flow and heat transfer characteristics of Newtonian and non-Newtonian fluids. However, many theoretical analyses, experimental studies, and practical applications remain to be further explored.

The nonlinear models can be used to model various physical phenomenons happening around us. During the last few decades, the study of non-linear evolution equations has received much attention as these equations play an important role in the modeling of various physical problems in diverse fields of nonlinear science, such as fluid mechanics, plasma physics, chemical physics, nuclear physics, solid-state physics...





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Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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