Special Issue

Advances in Fluid Mechanics Analysis

Message from the Guest Editor

Fluid flow phenomena are ubiquitous, both in nature and in industrial processes. The study of such flows is crucial to addressing the ever-changing challenges and needs of society. Advances in fluid mechanics analysis collectively contribute to a deeper understanding of fluid mechanics phenomena and their practical applications across diverse fields, driving innovation and technological progress. These advances have been pivotal in various fields, from engineering and aerospace to environmental science and medicine. Advances in fluid mechanics analysis continue to drive innovation across a wide range of industries, improving efficiency, safety, and sustainability in engineering and scientific endeavors. This Special Issue, entitled "Advances in Fluid Mechanics Analysis," is aimed at publishing recent advances in areas related to the scope of this Special Issue. Keywords:

- fluid flow
- fluid dynamics
- multiphase flow
- computational fluid dynamics
- rheology
- fluid-structure interaction
- bubble dynamics
- heat transfer
- biofluids
- microfluid
- nanofluids
- pipe flow

Guest Editor

Dr. Valente Hernández-Pérez
Tecnológico Nacional de México, Pachuca de Soto 42080, Mexico

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Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

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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

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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