Special Issue

Fluid Flows Modelling in Microfluidic Systems

Message from the Guest Editor

Microfluidics enables unprecedented precision and control of critical processes such as mixing, pumping, sensing, chemical and biochemical reactions, etc., in microscales. This, in turn, provides unique advantages in handling fluidic processes, and can significantly reduce the complexity of the system and its operational costs. Despite great developments in this area, the underlying physical mechanisms are still not fully understood. This is partly because some of the key controlling processes occur in such scales that are not fully accessible, experimentally. This special issue aims at addressing this issue by gathering and publishing the best practice and the state-of-the-art in Fluid Flows Modelling in Microfluidic Systems. The Fluid Flows Modelling in Microfluidic Systems is a place to publish both numerical and experimental studies in fluid systems associated with fluidic devices.

Guest Editor

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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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