

Special Issue

Novel Advances in Fluid Mechanics

Message from the Guest Editor

This Special Issue welcomes the submission of articles that present recent advances in the field of Fluid Mechanics. This Special Issue will address subsonic and supersonic flows, optimization methodologies, boundary layer evolution and the application of time-dependent aerodynamic forces and active and passive flow control in order to delay/promote boundary layer separation while decreasing the peak to peak amplitude of dynamic forces. Both experimental work and computational simulations are within the scope of this Special Issue, as well as articles that consider optimization and machine learning techniques as these minimize the number of computational simulations while gathering the most appropriate set of parameters in any given application. Finally, papers that consider the application of flow control technology in order to enhance heat transfer or reduce cavitation in water turbines, for example, will be included in this Special Issue. Researchers are encouraged to submit high-quality and novel papers that will be published after being peer reviewed by specialists in the field.

Guest Editor

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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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