Special Issue

Recent Developments in Computational Fluid Dynamics and Turbulence Modeling

Message from the Guest Editors

Computational Fluid Dynamics (CFD) and turbulence modeling have become invaluable tools in further enhancing our understanding and predictions of complex fluid flow phenomena across a wide range of scientific and engineering fields. Their application can be found in areas spanning aerospace and automotive engineering to environmental studies and biomedical flows. This Special Issue highlights recent advancements in CFD methodologies and turbulence modeling techniques, showcasing cutting-edge research that addresses the challenges of accuracy, efficiency, and scalability in simulating turbulent flows. By exploring both theoretical innovations and practical applications, this collection aims to provide a comprehensive overview of the state of the art in CFD and turbulence modeling, while inspiring future research directions in this dynamic field.

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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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