



Special Issue on Thermophysics and Fluid Science

Call for Papers

Thermal-Fluids Sciences involves the application of experimental techniques and mathematical methods based on principles from physics, fluid and gas dynamics, and heat transfer to the development and operation of energy conversion systems, such as solar panels, wind turbines, and internal combustion engines. The goal of this special issue is to provide a platform for scientists and academicians all over the world to promote, share, and discuss various new issues and developments in this area of **Thermophysics and Fluid Science**.

In this special issue, we invite front-line researchers and authors to submit original research and review articles that explore **Thermophysics and Fluid Science**. In this special issue, potential topics include, but are not limited to:

- Combined heat and mass transfer
- Flows with phase transition
- Micro- and nano-scale systems
- Thermodynamics and fluid mechanics
- Forced, natural or mixed convection in reactive or non-reactive media
- Single or multi-phase fluid flow with or without phase change
- Near- and far-field radiative heat transfer
- Combined modes of heat transfer in complex systems
- Multiscale modeling
- Hydrodynamic stability
- Aerothermodynamics of internal flow
- Turbulence modeling
- Thermophysical properties of matter

Authors should read over the journal's [For Authors](#) carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal's [Paper Submission System](#).

Please kindly specify the “**Special Issue**” under your manuscript title. The research field “**Special Issue - Thermophysics and Fluid Science**” should be selected during your submission.

Special Issue timetable:

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