

Special Issue

Engineering Thermodynamics and Fluid Mechanics

Message from the Guest Editors

In recent years, scientific research has increasingly highlighted the importance of many topics at the intersection of physics and applied mathematics, which have a significant impact both from the perspective of analytical–numerical modeling and industrial applications. Among these topics, the development of physical–mathematical models for magnetorheological fluids, advanced thermodynamic theories for fluids, rheological models for biological fluids, and the study of nonlinear wave propagation stand out in particular. This Special Issue entitled *"Engineering Thermodynamics and Fluid Mechanics"* aims to collect high-quality contributions that explore the latest developments in these areas, embracing both theoretical studies and practical applications, including the use of next-generation materials that are redefining the possibilities in these fields.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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