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Special Issue on Entropy and Its Application

Call for Papers

Entropy is a measure of the number of specific ways in which a system may be arranged, often taken to be a measure of disorder, or a measure of progressing towards thermodynamic equilibrium. The entropy of an isolated system never decreases, because isolated systems spontaneously evolve towards thermodynamic equilibrium, which is the state of maximum entropy. There are two related definitions of entropy: the thermodynamic definition and the statistical mechanics definition. Historically, the classical thermodynamics definition developed first, and it has more recently been extended in the area of non-equilibrium thermodynamics. 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 the area of **entropy and its application**.

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

- Maximum entropy
- Entropy and Information
- Symmetry and entropy
- Entropy in quantum gravity
- Concepts of entropy and their applications
- Entropy and the second law of thermodynamics
- Transfer entropy
- Entanglement entropy
- Information entropy
- Entropy function
- Principle of entropy increase

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 - *Entropy and Its Application***" should be selected during your submission.

Special Issue timetable:

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