

## Special Issue

# Entropy in Relativistic Fluid Dynamics and Magnetohydrodynamics and Its Implications to the Cosmological Dark Energy and Dark Matter Problems

### Message from the Guest Editor

This Special Issue will focus on the following issues:

- Solutions to the dark matter and dark energy problem in astrophysical and cosmological scales.
- Variational Formalism of relativistic non-barotropic fluid dynamics and magnetohydrodynamics including related issues such as canonical energy-momentum tensors and topological conservation laws.
- Relations between the two topics listed above.

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### Guest Editor

Prof. Dr. Asher Yahalom

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### Deadline for manuscript submissions

31 October 2026



## Entropy

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### Message from the Editor-in-Chief

The concept of entropy is traditionally a quantity in physics that has to do with temperature. However, it is now clear that entropy is deeply related to information theory and the process of inference. As such, entropic techniques have found broad application in the sciences.

*Entropy* is an online open access journal providing an advanced forum for the development and/or application of entropic and information-theoretic studies in a wide variety of applications. *Entropy* is inviting innovative and insightful contributions. Please consider *Entropy* as an exceptional home for your manuscript.

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### Editor-in-Chief

Prof. Dr. Kevin H. Knuth

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