Special Issue

Entropy and Dissipation in Non-Collisional Space Plasmas

Message from the Guest Editors

We are pleased to invite you to contribute to this Special Issue of Entropy, which aims to address the fundamental processes that govern entropy generation and energy dissipation in non-collisional space plasmas. We welcome contributions that explore both the theoretical foundations and the observational or simulation-based aspects of these processes. In line with the scope of the Entropy journal, this Special Issue aims to enhance our understanding of entropy-related phenomena in plasmas in far-from-equilibrium spaces. By examining how entropy can be meaningfully defined, measured, and interpreted in this context, the present collection of articles will contribute to a broader discussion concerning non-equilibrium thermodynamics, statistical mechanics, and complex systems as they apply to space plasmas.

Researchers are encouraged to submit original research articles, reviews, and methodological papers that expand our understanding of entropy and dissipation in non-collisional space plasmas. The Special Issue welcomes submissions that push the boundaries of current models and propose novel approaches to understanding entropy and dissipation in space plasmas.

Guest Editors

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Deadline for manuscript submissions

28 February 2026

Entropy

an Open Access Journal by MDPI

Impact Factor 2.0
CiteScore 5.2
Indexed in PubMed

mdpi.com/si/243382

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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.

Editor-in-Chief

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