Special Issue

Maximum Entropy Principle and Applications

Message from the Guest Editors

The concept of entropy and the maximum entropy principle are widely recognized in science, with ongoing theoretical developments and applications across multiple disciplines. This Special Issue of the journal Entropy aims to highlight pioneering research on entropy measures and the maximum entropy principle, emphasizing their significance across various domains. We seek original contributions, whether theoretical, methodological, or application-based, and encourage interdisciplinary work with real data analysis. Researchers from diverse backgrounds—including computer science, econometrics, engineering, information theory, mathematics, and many other fields —are invited to submit their work to this issue, with the objective of advancing knowledge and fostering future developments across these areas.

Guest Editors

Dr. Pedro Macedo

Dr. Maria Conceição Costa

Dr. Andreia Dionísio

Deadline for manuscript submissions

closed (31 January 2025)

Entropy

MDPI

Entropy

mdpi.com/journal/
entropy

About the Journal

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

Prof. Dr. Kevin H. Knuth
Department of Physics, University at Albany, 1400 Washington Avenue, Albany, NY 12222, USA

Author Benefits

Open Access:
free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:
indexed within Scopus, SCIE (Web of Science), Inspec, PubMed, PMC, Astrophysics Data System, and other databases.

Journal Rank:
JCR - Q2 (Physics, Multidisciplinary) / CiteScore - Q1 (Mathematical Physics)