Special Issue

Statistical Physics of Soft Matter and Complex Systems

Message from the Guest Editors

Entropy is the central concept in equilibrium thermodynamics, but has remained far removed from processes that are far from equilibrium. Biological systems (living) as well as active (driven) systems have attracted considerable attention recently that now invites a closer examination of entropy in this context. More specifically, energy-consuming systems, those that have a net energy density flow, result in the emergence of internal work that leads to ordered structures that are compensated for by changes that are related to entropy or information. This Special Issue brings together a range of leading experts to examine the concept of entropy dealing with far-from-equilibrium systems in the context of biological and active soft matter.

Guest Editors

Prof. Dr. Germano S. Iannacchione

Department of Physics, Worcester Polytechnic Institute, Worcester, MA 01609-2280, USA

Prof. Dr. Mohan Srinivasarao

School of Materials Science and Engineering, Georgia Institute of Technology, Atlanta, GA 30332, USA

Deadline for manuscript submissions

closed (1 March 2021)

Entropy

an Open Access Journal by MDPI

Impact Factor 2.0
CiteScore 5.2
Indexed in PubMed

mdpi.com/si/37421

Entropy
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
entropy@mdpi.com

mdpi.com/journal/entropy

Entropy

an Open Access Journal by MDPI

Impact Factor 2.0
CiteScore 5.2
Indexed in PubMed

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)

MDPI