Special Issue

Information Theory in Emerging Biomedical Applications

Message from the Guest Editor

The focus of this Special Issue is the application of tools that emerged from information theory to (multivariable) analysis of biomedical data. This covers a variety of topics, from extracting otherwise hidden information that reveals the complex relationship between seemingly unrelated variables to DNA data storage. The topics include, but are not limited to, entropy and complexity analysis, copula density and copula entropy, the question of whether information can be squeezed from the bottleneck principle, dimensionality reduction and machine learning, compression and complexity, DNA storage and alignment, nano-signals, but also practical problem-solving applications considering biomedical time series and images. Review papers are welcomed. The scope is broad and provides many opportunities for contributions.

Guest Editor

Prof. Dr. Dragana Bajic
Faculty of Technical Sciences, University of Novi Sad, 21000 Novi Sad, Serbia

Deadline for manuscript submissions

closed (15 December 2021)

Entropy

an Open Access Journal by MDPI

Impact Factor 2.0
CiteScore 4.9
Indexed in PubMed

mdpi.com/si/87843

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 4.9
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