# Special Issue

# Dispersion Entropy: Theory and Applications

### Message from the Guest Editors

In this Special Issue, we would like to collect papers focusing on both the theory and applications of dispersion entropy and its modified forms (fluctuation and fuzzy dispersion entropy). Despite being a very recent technique, dispersion entropy has received substantial and still increasing attention in the field, having found interesting applications in a wide range of fields, including the analysis of biomedical signals, mechanical systems, marine science, the economy, civil engineering, and computer science, among others. Moreover, dispersion entropy has spurred new theoretical developments, including variations of dispersion entropy for univariate time series and versions of the algorithm for multivariate time series, 2D images, 3D data, and multiscale implementations. However, opportunities, both in theoretical advances and practical applications, are abundant. As such, this Special Issue seeks to serve as a vehicle for the exploration of these emerging topics.

### Guest Editors

Dr. Anne Humeau-Heurtier

Dr. Hamed Azami

Dr. Mostafa Rostaghi

Dr. Daniel Abasolo

Dr. Javier Escudero

### Deadline for manuscript submissions

closed (15 April 2023)

# 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)