Special Issue

Complexity Characteristics of Natural Language

Message from the Guest Editors

The science of complexity is an interdisciplinary approach to seeking answers to the question of the principles by which nature operates when composing basic elements of matter and energy into dynamic patterns and structures that propagate throughout the entire hierarchy of scales in the universe. The associated extraordinary emergent phenomenon, such as the syntactically organized natural language, superbly reflects these patterns and structures, expressed in its great ability to encode and transmit information about them and between them. Therefore, it is highly reasonable to expect that natural language—spontaneously created by nature—best mirrors the laws of nature and carries within it the essence of complexity. We thus invite researchers representing various disciplines, including language studies, computer studies, physics, mathematics, data science, and others, to submit their original papers reporting studies —empirical as well as modeling—whose results may contribute to a better understanding of the origins of natural language and the principles of its organization.

Guest Editors

Prof. Dr. Stanisław Drożdż

Dr. Jarosław Kwapień

Dr. Tomasz Stanisz

Deadline for manuscript submissions

closed (15 May 2025)

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)