Special Issue

Aspects of Social Dynamics: Models and Concepts

Message from the Guest Editor

One of the most important tasks for researchers of human and animal societies is to understand the dynamics of these societies. In order to do this, researchers often use models and concepts from different areas of mathematics and natural sciences. This Special Issue aims to contribute to the development of Mathematical Social Dynamics by presenting a discussion of various models of structures and processes in animal and human societies. We have listed several sources of concepts and models such as Statistical Physics and Thermodynamics, Mathematical Biology and Mathematical Sociology, Nonlinear Dynamics, Game Theory, Time Series Analysis, and Theory of Networks. However, concepts and mathematical models of society dynamics from other areas of natural and social sciences are also warmly welcomed. Another goal of the Special Issue is to provide a platform for those researchers who study the dynamics of these societies using mathematical models. We also hope to attract the interest of young researchers to the huge and promising area of mathematical studies of social systems.

Guest Editor

Prof. Dr. Nikolay K. Vitanov
Institute of Mechanics, Bulgarian Academy of Sciences, Acad. G. Bonchev Str., Bl. 4, 1113 Sofia, Bulgaria

Deadline for manuscript submissions

closed (27 April 2026)

Entropy

an Open Access Journal by MDPI

Impact Factor 2.0
CiteScore 5.2
Indexed in PubMed

mdpi.com/si/228552

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