Special Issue

Complexity of Social Networks

Message from the Guest Editors

Social networks are characterized by heterogeneous structures, nonlinear dynamics, and evolving interactions among individuals, groups, and communities. Studying these networks is essential for understanding information diffusion, opinion evolution, and collective behavior in digital societies. Recent advances in computational methods have leveraged complex network theory to uncover the underlying mechanisms, including influence propagation, misinformation diffusion, and network evolution. Digital platforms, such as social media and recommender systems, play vital roles in shaping communication and interactions.

This Special Issue seeks state-of-the-art research on social network complexity, emphasizing theoretical, computational, and applied approaches. Topics include information spreading mechanisms, community structure change, algorithmic system dynamics, AI in social network models, and novel methodologies for complex network analysis. Contributions are encouraged to address emerging challenges in algorithm-driven social systems or propose innovative frameworks.

Guest Editors

Prof. Dr. Zi-Ke Zhang

Dr. Junming Huang

Dr. Xiaoke Xu

Dr. Quanhui Liu

Deadline for manuscript submissions

31 March 2026

Entropy

an Open Access Journal by MDPI

Impact Factor 2.0
CiteScore 5.2
Indexed in PubMed

mdpi.com/si/228523

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