Special Issue

Theoretical Issues on Systems Science

Message from the Guest Editors

The concept of systems has been elaborated across almost all disciplinary fields, which allows for interdisciplinary approaches. Research on complex systems has focused, for instance, on models and simulations of processes of emergence, self-organization, and chaos theory. It is time to theoretically specify various new directions in systems science. The purpose of which is to find higher-level invariants in complex systems, their relations, and their roles in simulations. Examples of the theoretical issues to be elaborated are: Theoretical incompleteness, Equivalences, Multiplicities, Quasi-systems, Communities of coherences, Re-emergence, Pending systems, Logical openness, Meta-structures, Quantum systems, Remote synchronization, Chaos theory, and The physical role of complex numbers. The purpose of this Special Issue is to review and introduce open theoretical systems issues, while considering their relations and related models. Contributors are invited to present approaches, cases, models, proposals, and theoretical frameworks to deal with theoretical challenges. For more information, please visit: mdpi.com/journal/systems/special_issues/9I82555138

Guest Editors

Dr. Gianfranco Minati
Italian Systems Society, 20161 Milan, Italy

Prof. Dr. Alessandro Giuliani
Environment and Health Department, Istituto Superiore di Sanità, 00161 Rome, Italy

Dr. Andrea Roli
Department of Computer Science and Engineering, Campus of Cesena, Università di Bologna, I-47521 Cesena, Italy

Deadline for manuscript submissions

closed (31 March 2025)

Systems

an Open Access Journal by MDPI

Impact Factor 3.1
CiteScore 4.1

mdpi.com/si/174090

Systems
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
systems@mdpi.com

mdpi.com/journal/systems

Systems

an Open Access Journal by MDPI

Impact Factor 3.1
CiteScore 4.1

mdpi.com/journal/systems

About the Journal

Message from the Editor-in-Chief

Systems is a leading venue for the quick and global dissemination of results of cutting-edge research in various areas of systems science and systems-related fields. An increasing number of researchers are realizing the enormous potential of systems thinking in managing the many unprecedented and complex issues in all areas of need. The *Systems* journal provides a home of exceptional quality for the manuscripts of these researchers who often find it difficult to publish their work in conventional discipline focused journals.

Editor-in-Chief

Prof. Dr. Ben Clegg
Operations & Service Management Department, Aston Business School, Aston University, Birmingham B4 7ET, UK

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SSCI (Web of Science), Ei Compendex, dblp, and other databases.

Journal Rank:

JCR - Q1 (Social Sciences, Interdisciplinary) / CiteScore - Q2 (Modeling and Simulation)