Special Issue

Entropy Concepts in Water Engineering Problems Associated with the Hydrological Cycle

Message from the Guest Editors

This Special Issue aims to compile current research efforts implementing entropy and/or information theory concepts and tools in addressing open, persistent or new problems in water engineering, associated with phenomena and processes within the hydrological cycle (such as wind speed, air pressure, humidity, temperature, evaporation, precipitation, surface water, groundwater, soil moisture, streamflow) and/or within the related fields, including geosciences, energy harvesting from renewable resources (wind, sun, water, flora), energy management /energy security, sustainability, etc. The ambition of this Special Issue is to provide an e-podium for researchers to present their recent work in applications of entropy to the modelling and simulation of the complex phenomena associated with the hydrological cycle. We are particularly interested in soliciting manuscripts presenting new attempts to integrate and exploit the various entropy formulations, in addressing environmental and water engineering problems associated with the hydrological cycle and even beyond, in the broader field of geosciences.

Guest Editors

Dr. Panayiotis Dimitriadis

Prof. Dr. Marios Valavanides

Prof. Dr. Demetris Koutsoyiannis

Deadline for manuscript submissions

closed (13 September 2022)

Entropy

an Open Access Journal by MDPI

Impact Factor 2.0
CiteScore 5.2
Indexed in PubMed

mdpi.com/si/89212

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