



Applications of Thermofluids in Power Generation Systems

Guest Editors:

Dr. Apostolos Gkountas

Department of Mechanical Engineering, University of West Attica, 12244 Athens, Greece

Prof. Dr. Ioannis Sarris

Department of Mechanical Engineering, University of West Attica, Thivon 250, 12241 Aigaleo, Greece

Deadline for manuscript submissions:

closed (31 December 2023)

Message from the Guest Editors

Dear Colleagues,

At present, the efficiency of power generation systems concentrates a great deal of research interest, since energy consumption globally needs to be reduced for environmental and financial reasons. The main goal of this Special Issue is to present the current state-of-the-art and the recent progress in the field of applied thermodynamics, heat transfer, and the application of thermofluids for power generation systems, towards improved energy efficiency. The integration of innovative methods (including analytical and numerical methods) or materials (in the direction of energy storage), the investigation of new working fluids or cycles, the combination of cycles or the use of components that could lead to improved efficiency may be presented in this Special Issue.

Dr. Apostolos Gkountas

Prof. Dr. Ioannis Sarris

Guest Editors





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Kevin H. Knuth

Department of Physics, University
at Albany, 1400 Washington
Avenue, Albany, NY 12222, USA

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.

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)

Contact Us

Entropy Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/entropy
entropy@mdpi.com
[X@Entropy_MDPI](https://twitter.com/Entropy_MDPI)