Special Issue

Aerothermodynamics and Propulsion of Flight Systems

Message from the Guest Editors

This topical collection features the most recent developments in the field of aerothermodynamics and propulsion of flight systems. Aerothermodynamics considers the analysis of flow field characteristics and interactions of the object in flight, encompassing all flow regimes. Propulsion covers all methods of propelling ballistic objects, launchers and space vehicles, including chemical, electric and advanced systems. We welcome original research papers, reviews, communications, short communications, code release papers, benchmarking studies, educational papers, and opinions. These will include analytical, theoretical, computational and/or experimental studies.

Guest Editors

Dr. Madeleine Combrinck

Dr. Pak Sing Leung

Dr. Jerry Edge

Deadline for manuscript submissions

closed (30 September 2023)

Dynamics

an Open Access Journal by MDPI

Impact Factor 0.9
CiteScore 1.7

mdpi.com/si/99554

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

mdpi.com/journal/dynamics

Dynamics

an Open Access Journal by MDPI

Impact Factor 0.9
CiteScore 1.7

mdpi.com/journal/dynamics

MDPI

About the Journal

Message from the Editor-in-Chief

Dynamics aims to cover the research needs of scholars working mainly with physical and chemical processes and thus focuses on the study of systems in these two fields, presenting both theoretical and experimental results. Of particular interest are papers detailing new results concerning dynamics theory regarding differential equations (ordinary differential equations, stochastic differential equations, fractional order systems, nonlinear systems, and chaos) and their discrete analogs, which consist of the mathematical base of the presented physical and chemical models. *Dynamics* will also publish papers concerning computational results and applications of physical and chemical processes in biology, engineering, robotics, and the other sciences, as well as papers in other areas of mathematics that have direct bearing on the dynamics of these kinds of processes.

Editor-in-Chief

Dr. Christos Volos
Laboratory of Nonlinear Systems, Circuits & Coplexity (LaNSCom), Department of Physics, Aristotle University of Thessaloniki, GR-54124 Thessaloniki, Greece

Author Benefits

High Visibility:

indexed within ESCI (Web of Science), Scopus, EBSCO, and other databases.

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 14 days after submission; acceptance to publication is undertaken in 5.6 days (median values for papers published in this journal in the second half of 2024).

Recognition of Reviewers:

APC discount vouchers, optional signed peer review, and reviewer names published annually in the journal.