Special Issue

Dynamical Systems, Methods, and Techniques in Natural Sciences

Message from the Guest Editor

The conference "Days of Applied Nonlinearity and Complexity" will be held on 12–14 January 2024 online by the Physics Department, Aristotle University of Thessaloniki, Greece, and selected papers will be published in this Special Issue. Topics of interest for this Special Issue include, but are not limited to, the following:

- Dynamical systems in astrodynamics;
- Dynamical systems in atmosphere;
- Dynamical systems in biology;
- Dynamical systems in oceanography;
- Ecosystem dynamics;
- Geophysics applications;
- Hydrodynamics;
- Fluid/structure interaction;
- Mathematical modeling in nonlinear processes;
- Modeling and prediction of COVID-19 and future pandemic scenarios;
- Nonlinear chemical dynamics.

Guest Editor

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Deadline for manuscript submissions

closed (15 April 2024)

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.

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