



Special Issue on Dynamical Systems and Applications

Call for Papers

Dynamical Systems and Applications focuses on the mathematical modeling, analysis, and interpretation of systems that evolve over time, encompassing both deterministic and stochastic processes. This field investigates the qualitative and quantitative behavior of systems through frameworks such as differential equations, discrete mappings, and nonlinear dynamics, with particular attention to stability, bifurcation, chaos, and long-term evolution. It bridges theoretical developments with real-world applications across physics, engineering, biology, economics, and social sciences, enabling the understanding and prediction of complex phenomena. By integrating analytical, computational, and data-driven approaches, research in this area supports the design, control, and optimization of dynamic systems in diverse scientific and technological contexts.

In this special issue, we intend to invite front-line researchers and authors to submit original research and review articles on exploring **Dynamical Systems and Applications**. Potential topics include, but are not limited to:

- Nonlinear dynamics
- Chaos theory
- Bifurcation analysis
- Stability theory
- Control systems
- Differential equations
- Discrete dynamical systems
- Stochastic dynamics
- Complex systems
- Network dynamics
- Computational dynamics
- Biological systems modeling
- Hamiltonian systems
- Mechanical systems dynamics
- Fluid dynamics
- Dynamical systems applications

Authors should read over the journal's [For Authors](#) carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal's [Paper Submission System](#).



Please kindly specify the “**Special Issue**” under your manuscript title. The research field “**Special Issue - *Dynamical Systems and Applications***” should be selected during your submission.

Special Issue Timetable:

Submission Deadline	August 10th, 2026
Publication Date	October 2026

Guest Editor:

For further questions or inquiries, please contact Editorial Assistant at am@scirp.org.