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# **Chaotic Dynamics in Discrete Time Systems**

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Deadline for manuscript submissions: closed (31 December 2023)



Message from the Guest Editors

This Special Issue aims to explore chaotic phenomena in discrete-time systems. Authors are welcome to submit their original and review works on discrete-time systems of any dimension which showcase interesting chaotic phenomena. Examples include:

- Symmetric attractors;
- Coexisting attractors;
- Hidden attractors;
- Antimonotonicity;
- Crisis;
- Bifurcations;
- Decay of correlations;
- Transient dynamics;
- Networks and multilayer networks of chaotic maps;
- Robust chaos;
- Infinite number of equilibria;
- Controllable number of equilibria;
- Controllable statistical measures;
- Techniques for constructing new maps;
- Novel tools and measures for studying chaotic maps;
- Digital implementations of the above;
- Applications of chaotic maps and their transformed versions in optimization, encryption, communications, and more.



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### **Editor-in-Chief**

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### Message from the Editor-in-Chief

Dvnamics 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 dynamics theory regarding differential concerning 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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