





an Open Access Journal by MDPI

# **Advances in Symbolic and Collective Dynamics**

Guest Editors:

### Prof. Dr. Clara Gracio

CIMA-Research Centre for Mathematics and Applications, Department of Mathematics, Universidade de Évora, 7000-812 Évora, Portugal

#### Prof. Dr. Rosário D. Laureano

ISTAR-Information Sciences and Technologies and Architecture Research Center, Department of Mathematics, ISTA-School of Technology and Architecture, ISCTE - IUL - Lisbon University Institute, Av. Forças Armadas, 1649-026 Lisbon, Portugal

Deadline for manuscript submissions:

closed (31 May 2024)

## **Message from the Guest Editors**

Dear Colleagues,

The existence of an interaction between dynamic systems can, of course, alter certain determined characteristics of their behaviors, so the study of the coupling of dynamic systems seems to be particularly relevant, namely, the possibility of the emergence of synchronization between these systems. This study can be extended to networks of dynamical systems. In this case, it is interesting to study the resulting global dynamics of the system emerging from the interactions between the local dynamics of the individual elements and the coupling structure and its influence on those emerging global patterns. This Special Issue aims to promote the exchange of approaches and methods between researchers and to spread recent advances in development of symbolic dynamics, dynamical networks, and the study of synchronization. It will focus on all aspects of collective phenomena, from qualitative to quantitative points of view. Both theoretical and applied approaches are welcome.

In this Special Issue, we invite authors to present original research articles and to compile state-of-the-art results that can contribute effectively to these specific areas.











an Open Access Journal by MDPI

## **Editor-in-Chief**

#### Prof. Dr. Francisco Chiclana

School of Computer Science and Informatics, De Montfort University, The Gateway, Leicester LE1 9BH, UK

## Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The iournal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering sociology. particularly those that and stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

### **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), RePEc, and other databases.

**Journal Rank:** JCR - Q1 (Mathematics) / CiteScore - Q1 (General Mathematics)

#### **Contact Us**