



## Theories of Process and Process Algebras

Guest Editor:

**Dr. William Sulis**

Department of Psychiatry and  
Behavioral Neuroscience,  
McMaster University, Hamilton,  
ON L8N 3K7, Canada

Deadline for manuscript  
submissions:

**closed (30 April 2024)**

### Message from the Guest Editor

This Special Issue on Process Algebra and Collective Intelligence focuses on mathematical approaches to the description and analysis of processes, in particular, those that invoke some form of process algebra, as well as applications to the study of collective intelligence. Topics to be considered include the mathematics of process algebras, their core concepts and structures, approaches to describing and modeling dynamical phase spaces, networks, functionality, fungibility of agents and roles, generation, and contextuality. Additional topics include the application of process algebra approaches to the description and analysis of the dynamics and functionality of biological collective intelligence systems, such as social insect colonies, swarms, and mobs.





## 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 journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that 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

---

*Mathematics* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/mathematics](http://mdpi.com/journal/mathematics)  
[mathematics@mdpi.com](mailto:mathematics@mdpi.com)  
[X@MathematicsMDPI](https://twitter.com/MathematicsMDPI)