

## Special Issue

# Mathematical Biology and Its Applications to Disease Modeling

### Message from the Guest Editor

We invite submissions of high-quality research papers for a Special Issue dedicated to the exploration of mathematical modeling and analysis in biological systems. We encourage contributions that focus on, but are not limited to, the key areas listed below. Our objective is to create a collaborative platform for knowledge exchange, fostering interdisciplinary dialogues that will propel the detection as well as control of the spread of infectious and non-infectious diseases. We look forward to your valuable contributions and the collective exploration of the exciting frontiers where mathematics intersects with the intricate dynamics of biological systems. Researchers from diverse disciplines, including mathematics, biology, physics, and computer science, are invited to submit papers on their latest findings, innovative techniques, and applications of mathematical tools to address pivotal questions applied to disease modeling.

### Guest Editor

Dr. Chidozie Williams Chukwu

Department of Mathematics, Wake Forest University, Winston-Salem, NC 27109, USA

### Deadline for manuscript submissions

closed (30 September 2024)



## Mathematics

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## About the Journal

### 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.

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### Editor-in-Chief

Prof. Dr. Francisco Chiclana

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### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), RePEc, and other databases.

#### Journal Rank:

JCR - Q1 (Mathematics) / CiteScore - Q1 (General Mathematics)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.4 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).