



Mathematical and Numerical Methods in Biology and Engineering

Guest Editor:

Dr. Xianping Li

College of Integrative Sciences
and Arts, Arizona State
University, Mesa, AZ, USA

Deadline for manuscript
submissions:

20 December 2024

Message from the Guest Editor

Dear Colleagues,

Mathematical models such as partial differential equations have been widely used in biology and engineering to describe the corresponding systems or phenomena, and numerical methods are essential to obtain the approximated solutions for these problems. For complex biological systems or large-scale engineering problems, specially designed mathematical and computational methods are needed in order to obtain accurate solutions efficiently.

The aim of this Special Issue is to bring together original research on the development of mathematical and numerical methods to solve mathematical models derived from biology or engineering problems. Submissions addressing the latest development in theoretical analysis of the methods, improvement in computational accuracy and efficiency, and development of new models are welcome.

Dr. Xianping Li
Guest Editor





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

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