Special Issue

New Trends in Biomathematics

Message from the Guest Editors

This Special Issue aims to publish advancements and emerging trends in the interdisciplinary field of biomathematics, which integrates mathematical techniques and principles to address complex biological phenomena and medical challenges. We invite researchers to contribute original research articles that explore innovative trends and challenges in biomathematics. Topics of interest include, but are not limited to, the following:

- Mathematical Modeling in Biology;
- Computational Biology;
- Medical Statistics.

Dr. Cristiana J. da Silva

Guest Editors

Dr. Cristiana João Soares da Silva

 Department of Mathematics, ISTA, Iscte-Instituto Universitário de Lisboa, Av. das Forças Armadas, 1649-026 Lisboa, Portugal
Center for Research and Development in Mathematics and Applications (CIDMA), Department of Mathematics, University of Aveiro, 3810-193 Aveiro, Portugal

Dr. Vera Afreixo

Center for Research and Development in Mathematics and Applications (CIDMA), Department of Mathematics, University of Aveiro, 3810-193 Aveiro, Portugal

Deadline for manuscript submissions

closed (31 December 2024)



Mathematical and Computational Applications

an Open Access Journal by MDPI

Impact Factor 2.1 Indexed in Scopus



mdpi.com/si/208769

Mathematical and Computational Applications Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 mca@mdbi.com

mdpi.com/journal/ mca





Mathematical and Computational Applications

an Open Access Journal by MDPI

Impact Factor 2.1 Indexed in Scopus



About the Journal

Message from the Editorial Board

Editors-in-Chief

Prof. Dr. Oliver Schütze

Depto de Computacion, Cinvestav, Mexico City 07360, Mexico

Prof. Dr. Gianluigi Rozza

SISSA mathLab, International School for Advanced Studies, Office A-435, Via Bonomea 265, 34136 Trieste, Italy

Author Benefits

High Visibility:

indexed within Scopus, ESCI (Web of Science), Inspec, and other databases.

Journal Rank:

JCR - Q2 (Mathematics, Interdisciplinary Applications)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 25.3 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2025).

