



Mathematical Biology: Developments in Epidemic and Endemic Models

Guest Editors:

Prof. Dr. James P. Braselton

Department of Mathematical
Sciences, Georgia Southern
University, Statesboro, GA 30460-
8093, USA

Prof. Dr. Martha L. Abell

Department of Mathematical
Sciences, Georgia Southern
University, Statesboro, GA 30460-
8093, USA

Deadline for manuscript
submissions:

closed (31 March 2021)

Message from the Guest Editors

Dear Colleagues,

This special edition of *Mathematical Biology* will focus on epidemic and endemic models of diseases. The edition will be looking for articles that provide an overview and that compare and contrast existing models, development of new models, numerical studies and comparisons of newer models versus older models. The journal expects to publish several articles on the general theory of epidemic and endemic diseases. However, articles based totally on conjectural possibilities are not encouraged unless they can be related to the current situation or connect the current situation to previous ones. We hope to hear from authors throughout the world but also those who are carefully studying the dynamics in areas most affected.

The research topics include, but not limited to the following:

- Mathematical biology
- Epidemic models
- Endemic models
- COVID-19

Prof. Dr. James P. Braselton

Prof. Dr. Martha L. Abell

Guest Editors





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)