

Special Issue

Advances in Epidemiology and Modeling

Message from the Guest Editors

This Special Issue aims to bring together articles that address how to better prepare for future epidemics by analyzing and simulating public health data which will bring about nowcasting, hindcasting or forecasting of infectious diseases dynamics so as to better guide public health experts and decision makers. We welcome scholars in relevant fields to submit original research articles and reviews. Research areas may include (but are not limited to) the following:

- Artificial Intelligence for detection of, responses to, and mitigation of emerging epidemics;
- Applications for optimal control of emerging infectious diseases;
- Epidemics, ethics and uncertainty: the roles of public health experts and modelers;
- Mobility, geographical locations and socioeconomic factors that influence the predictive modeling of epidemics;
- The role of robust public health data in predictive modeling;
- Predictive modeling methods and applications to epidemic data.

We look forward to receiving your contributions.

Guest Editors

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.2 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).