



Infectious Disease Epidemiology and Modelling

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Message from the Guest Editors

Dear Colleagues,

Characterizing the epidemiology of infectious diseases requires a proper understanding of the interplay between micro-organisms, such as viruses and bacteria, and the immune response. Given the limited available data on emerging infectious diseases, mathematical modelling remains a crucial tool used not only to gain insights into the epidemiology of infectious diseases but also to forecast the trajectory of pandemics. This Special Issue aims to bring together some of the latest advances in the field of infectious disease epidemiology and modelling. Research areas may include (but are not limited to) the following:

- Modelling the transmission of infectious disease;
- Characterizing the epidemiological characteristics of emerging infectious diseases;
- Within-host models of viral or bacterial kinetics and the immune response.

I look forward to receiving your contributions.

- COVID-19
- compartmental-based models
- agent-based models
- multiscale models
- viral kinetics
- immune response





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Message from the Editor-in-Chief

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