



Mathematical Epidemiological Models: Classical and Interdisciplinary Applications

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Message from the Guest Editor

Dear Colleagues,

Mathematical epidemiological models are frequently given in terms of coupled nonlinear differential equations that describe the evolution of interacting populations. They describe how a key property of interest, such as a virus, is passed over from individuals to individuals. In doing so, they describe the spread of that property (e.g., the virus). While classical applications of epidemiological models are concerned with the spread of infectious diseases in populations, there are various fascinating and inspiring applications in related and interdisciplinary fields. For example, the spread of a virus in a human body can be described by virus dynamics models that have much in common with epidemiological models.

This Special Issue aims to bridge the gap from classical to interdisciplinary applications of mathematical epidemiological models. It offers a platform for researchers from diverse fields to share their work under a common theme—a platform that is likely to produce cross-disciplinary insights.





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Message from the Editor-in-Chief

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