



Mathematical Modeling for Population Dynamics and Evolutionary Dynamics

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Message from the Guest Editor

Ecosystem functioning and its persistence significantly depend on population and evolutionary dynamics. Mathematical modeling allows us to investigate these processes, taking into account factors such as fertility rates, mortality rates, migration patterns, interspecies interaction, natural selection, and genetic mutation, and make predictions about how populations will change in the future. There has been an increasing focus on using mathematical models to understand the impacts of human activities, such as habitat destruction and climate change, on population dynamics. In addition, there has been a trend towards the development of more sophisticated modeling techniques that take into account the complexity of real-world systems, including interspecific interactions and the influence of the environment. This Special Issue aims to present achievements in the theory and applications of mathematical models in various fields of Population Dynamics and Evolutionary Dynamics.





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Message from the Editor-in-Chief

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