



Complex Biological Systems and Mathematical Biology

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Message from the Guest Editors

Mathematical models play an increasingly important role in the prediction and early warning of emerging infectious disease outbreaks or developments in non-communicable diseases, optimizing non-pharmaceutical interventions, therapeutic strategies, and so on. We believe that modelers can make substantial contributions to innovating modelling and analysis methods, providing a better understanding of the dynamic mechanisms of complex biological systems, and helping to solve the current major issues in biomedicine. For this reason, we have initiated a Special Issue focusing on new developments in the fast-growing field of mathematical models of complex biological systems. Potential topics include—but are not limited to—the following:

1. Mathematical modelling and analysis to understand complex biological systems;
2. Dynamic mechanism of complex biological systems;
3. Optimization and control for complex biological systems;
4. Data-driven modeling of complex biological systems;
5. Machine learning approaches to biological systems;
6. Advanced computational methods and data science for biology and biomedicine, etc.





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Message from the Editor-in-Chief

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