



Recent Advances in Spatio-Temporal Dynamics of Differential Equations

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Message from the Guest Editors

The Special Issue aims to summarize and highlight the current state-of-the-art progress in the studies of spatio-temporal dynamics of differential equations. It welcomes both theoretical and application-oriented contributions across all spectrums of the theory and applications of differential equations, including, but not limited to:

1. Asymptotic behavior of solutions of differential equations and difference equations;
2. Self-similar solutions and traveling wave solutions of differential equations;
3. The applications of nonlinear topological methods in differential equations;
4. Spatio-temporal dynamics of reaction–diffusion equations and nonlocal diffusion equations;
5. Numerical methods of differential equations and their applications;
6. Mathematical modeling in biology and epidemiology.

The Special Issue seeks to showcase and stimulate the productive interplay between theoretical studies and practical applications. As emerging challenges could inspire novel ideas and nourish the next generation of scientists, it is the ultimate goal of this Special Issue to promote and foster interdisciplinary collaborations.





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Message from the Editor-in-Chief

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