Special Issue

Dynamical Systems & Partial Differential Equations

Message from the Guest Editor

This Special Issue gathers research at the interface of dynamical systems and partial differential equations (PDEs), emphasizing analysis, qualitative behavior, numerical methods, and applications in physics, engineering, biology, and data-driven modeling. Topics include well-posedness, stability and bifurcation, long-time dynamics and attractors, control and inverse problems, multiscale and nonlocal models, fractional and stochastic PDEs, PDE operators theory (e.g., p-Laplacian, bi-Laplacian, Porous Medium Equation, General Nonlinear Operators), and modern computational approaches (e.g., PINNs/operator learning) consistent with the journal's scope in analysis of PDEs and dynamical systems.

Guest Editor

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Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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