Special Issue

Numerical Analysis of Partial Differential Equations and Their Application

Message from the Guest Editors

We are delighted to announce our Special Issue on "Numerical Analysis of Partial Differential Equations and Their Application". This Special Issue aims to contribute to this area by providing a collection of articles that showcase cutting-edge research in the numerical analysis of PDEs, focusing on advanced methodologies, algorithms, and applications. The scope encompasses many areas, including theory, algorithms, programming, coding, numerical simulation, and novel applications of computational techniques in engineering, science, and related disciplines. Contributions may explore various computational methods within applied mathematics and mechanics, including (but not limited to) finite element methods, finite difference methods, finite volume methods, meshless and particle methods, phase field methods, interpolation, numerical linear algebra, and numerical methods for partial differential equations. The goal is to showcase research that addresses real-world challenges and demonstrates the effectiveness of computational approaches for solving problems across scientific and engineering domains. We look forward to receiving your contributions.

Guest Editors

Prof. Dr. Chuanjun Chen
School of Mathematics and Information Sciences, Yantai University, Yantai 264005, China

Dr. Jiansong Zhang
College of Science, China University of Petroleum, Qingdao 266580, China

Deadline for manuscript submissions

15 February 2026

About the Journal

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.

Editor-in-Chief

Prof. Dr. Francisco Chiclana
School of Computer Science and Informatics, De Montfort University, The Gateway, Leicester LE1 9BH, UK

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