Special Issue

Applications of Partial Differential Equations in Engineering

Message from the Guest Editor

Partial differential equations have become one extensive topic in Mathematics, Physics and Engineering due to the novel techniques recently developed and the great achievements in Computational Sciences. Both theoretical and applied viewpoints have obtained great attention from many different natural sciences. A partial list of topics includes modeling; solution techniques and applications of computational methods in a variety of areas (e.g., liquid and gas dynamics, solid and structural mechanics, biomechanics, etc.); variational formulations and numerical algorithms related to implementation of the finite and boundary element methods; finite difference and finite volume methods; and other basic computational methodologies

Guest Editor

Prof. Dr. Francisco Ureña

Escuela Técnica de Ingenieros Industriales, Universidad Nacional de Educación a Distancia, 28040 Madrid, Spain

Deadline for manuscript submissions

closed (20 July 2022)



Mathematics

an Open Access Journal by MDPI

Impact Factor 2.2 CiteScore 4.6



mdpi.com/si/48099

Mathematics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
mathematics@mdpi.com

mdpi.com/journal/mathematics





Mathematics

an Open Access Journal by MDPI

Impact Factor 2.2 CiteScore 4.6



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

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), RePEc, and other databases.

Journal Rank:

JCR - Q1 (Mathematics) / CiteScore - Q1 (General Mathematics)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.4 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).

