

Special Issue

Integral Transforms and Special Functions in Applied Mathematics

Message from the Guest Editors

The study of special functions has remained a significant area of interest over the course of several centuries, manifesting in a diverse array of forms. Integral transforms, comprising an assortment of functions including Fourier, Laplace, Mellin, and Hankel, to name a few, represent a potent and adaptable instrument that finds utility in a diverse range of disciplinary domains. This Special Issue will be devoted to both the theory and applications of special functions, especially those that can be represented by means of an integral transform or that arise in the study of integral transforms. We invite papers on topics in both mathematics and sciences, where special functions and integral transforms play an important role. Although the main emphasis will be on applications, i.e., the use of special functions or integral transforms in any scientific discipline, papers related to the fundamental theory, such as asymptotics, symmetries, representations, transformation and summation formulas, approximations, inequalities, zeros, monotonicity and complex-analytic properties, are also welcome.

Guest Editors

Prof. Dr. Jose Luis Lopez

Department of Statistics, Informatics and Mathematics, Public University of Navarra, 31008 Pamplona, Spain

Dr. Dmitrii Karp

Department of Mathematics, Holon Institute of Technology, Holon 5810201, Israel

Deadline for manuscript submissions

closed (30 September 2024)



Mathematics

an Open Access Journal
by MDPI

Impact Factor 2.3
CiteScore 4.0



mdpi.com/si/164416

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

[mdpi.com/journal/
mathematics](https://mdpi.com/journal/mathematics)





Mathematics

an Open Access Journal
by MDPI

Impact Factor 2.3
CiteScore 4.0



[mdpi.com/journal/
mathematics](https://mdpi.com/journal/mathematics)



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 18.3 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the second half of 2024).