Special Issue

New Trends in Special Functions and Applications

Message from the Guest Editors

Beyond the well-known elementary functions, special functions gather a great variety of mathematical functions of great importance due to their applications in the fields of physics, mathematics and engineering, and their notation has been consolidated over time. The main scope of this Special Issue is to publish recent developments in the field of special functions, including classical special functions (gamma, beta, polygamma; higher logarithms; error or incomplete gamma and beta functions; and q-gamma and q-beta functions) or other typical special functions (elliptic integrals; cylinder, hypergeometric and generalized hypergeometric functions; and basic hypergeometric functions). In addition, new results in other types of special functions are welcome, such as Mittag–Leffler function; Riemann and Hurwitz zeta functions; and Apell, Horn and Lauricella functions. This Special Issue is not restricted to the above list and welcomes papers whose content is related to any remarkable property or application in the field of special functions.

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2023)

MDPI

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.

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