Special Issue

Special Functions and Polynomials

Message from the Guest Editor

Special functions are used in many applications of physics, engineering, and applied mathematics, such as electrodynamics, classical and modern physics, quantum mechanics, classical mechanics, and statistics, and, more recently, in the biological sciences and many other fields. Furthermore, special polynomials are not only used in mathematical physics; they are also connected to deep problems of number theory. You could say that every mathematical problem could be solved efficiently if the special functions that fit the solution were known. However, the broad range of special functions includes many other extensions and techniques, such as the multivariate generalizations of hypergeometric functions such as the Meijer G-function, the Lie and operational methods, and, in particular, G. Dattoli's monomiality principle.

Guest Editor

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Deadline for manuscript submissions

closed (31 August 2021)

Symmetry

About the Journal

Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

Editor-in-Chief

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