Special Issue

Recent Advances in Special Functions and Their Applications

Message from the Guest Editors

The main purpose of this Special Issue is to become a forum of recently developed theories and formulas of special functions, including their possible applications to some other research areas. This Special Issue includes certain theories, formulas, and applications of gamma function, beta function, multiple gamma functions, and their q-extensions and other extensions; confluent hypergeometric functions, hypergeometric functions, generalized hypergeometric functions, multiple hypergeometric functions, their various extensions and associated polynomials; Bernoulli numbers and polynomials, Euler numbers and polynomials, other classical numbers and polynomials, a variety of recently developed numbers and polynomials; Riemann zeta function, generalized (Hurwitz zeta) functions, multiple Hurwitz zeta functions, multiple zeta values, and their extensions; special functions and the theory of group representations, and their applications. Yet, this Special Issue is not limited to the above list, if the content of a paper submission is related to some special functions and their applications, it will be welcomed.

Guest Editors

Prof. Dr. Junesang Choi
Department of Mathematics, Dongguk University, Gyeongju 38066, Korea

Prof. Dr. Djurdje Cvijović
Atomic Physics Laboratory, Vinča Institute of Nuclear Sciences, P.O. Box 522, Belgrade 11001, Serbia

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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

Prof. Dr. Sergei Odintsov
1. ICREA, 08010 Barcelona, Spain
2. Institute of Space Sciences (IEEC-CSIC), C. Can Magrans s/n, 08193 Barcelona, Spain

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