Integral Transformation, Operational Calculus and Their Applications III

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

The theory and applications of integral transformations and associated operational calculus are remarkably widespread in many diverse areas of the mathematical, physical, chemical, engineering, and statistical sciences. In this Special Issue, we invite and welcome review, expository, and original research articles dealing with the recent advances on the topics of integral transformations and operational calculus as well as their multidisciplinary applications involving their symmetry properties and characteristics.

- integral transformations and integral equations as well as other related operators
- applications involving mathematical functions
- applications involving fractional-order differential and differintegral equations
- applications involving symmetrical aspect of geometric function theory of complex analysis
- applications involving q-series and q-polynomials
- applications involving special functions of mathematical physics and applied mathematics
- applications involving analytic number theory

Special Issue

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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.

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