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Symmetries of Difference Equations, Special Functions and Orthogonal Polynomials: 3rd Edition

Guest Editor:

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Deadline for manuscript submissions:
31 March 2025

Message from the Guest Editor

Dear Colleagues,

Following the success of the second Special Issue of *Symmetry*, entitled "*Symmetries of Difference Equations, Special Functions and Orthogonal Polynomials II*", it is my pleasure to be the Guest Editor for Symmetries of Difference Equations, Special Functions and Orthogonal Polynomials: 3rd Edition.

Special functions and orthogonal polynomials, in particular, have been around for centuries. In the twentieth century, the emphasis was on special functions satisfying linear differential equations, but this has been extended to difference equations, partial differential equations, and nonlinear differential equations.

This Special Issue will reflect the diversity of topics across the world. The Special Issue's contributions will cover the symmetries of difference equations, discrete dynamical systems, special functions, orthogonal polynomials, symmetries, and integrable difference equations.

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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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