Orthogonal Polynomials and Special Functions

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

The theory of generalized orthogonal polynomials and special functions is applied in different branches of pure and applied mathematics, as well as in physics. A combination of techniques involving methods of an algebraic nature and numerical methods may offer a powerful tool to solve problems in pure and applied mathematics. In the last years, the combined use of operational methods, orthogonal polynomials, and special functions has provided solutions that are hardly achievable with conventional means. Furthermore, the structural properties of polynomials in the framework of standard L2 orthogonality with respect to a Borel measure (or a weight function) have been deeply studied for other patterns of orthogonality, like multiple orthogonal polynomials, orthogonal polynomials in several variables, or Sobolev orthogonal polynomials.

Prof. Dr. Clemente Cesarano
Guest Editor

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Special Issue

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Message from the Editor-in-Chief

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