

Special Issue

Orthogonal Polynomials and Special Functions

Message from the Guest Editor

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 L_2 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.

Guest Editor

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Deadline for manuscript submissions

closed (31 March 2022)



Mathematics

an Open Access Journal
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Impact Factor 2.2
CiteScore 4.6



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Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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