mathematics

an Open Access Journal by MDPI

IMPACT FACTOR 2.3

CITESCORE 4.0

Combinatorics, Riordan Matrices and Umbral Calculus

Guest Editor:

Prof. Emanuele Munarini
Dipartimento di Matematica, Politecnico di Milano, Piazza Leonardo da Vinci 32, 20133 Milano, Italy

Deadline for manuscript submissions:
10 May 2025

Message from the Guest Editor

Dear Colleagues,

Combinatorial analysis is one of the branches of modern mathematics that is growing more and more rapidly. It has countless applications, ranging from enumerative and algebraic combinatorics, combinatorial number theory and graph theory to discrete mathematics, physics, computer science and biology.

Among the fundamental tools of combinatorial analysis are generating series, matrices and polynomial sequences. For instance, there is a deep connection between finite structures and generating functions, as witnessed by the theory of combinatorial species, as well as a strong interaction between enumeration, infinite matrices, formal series and sequences of polynomials, as seen in the theory of Riordan matrices and in umbral calculus.

mathematics

an Open Access Journal by MDPI

IMPACT FACTOR 2.3

CITESCORE 4.0

Editor-in-Chief

Prof. Dr. Francisco Chiclana
School of Computer Science and Informatics, De Montfort University, The Gateway, Leicester LE1 9BH, UK

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), RePEc, and other databases.
Journal Rank: JCR - Q1 (Mathematics) / CiteScore - Q1 (General Mathematics)

Contact Us

Mathematics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/mathematics
mathematics@mdpi.com
𝕏@MathematicsMDPI