## **Special Issue**

## Mathematical Models of Discrete Optimization

## Message from the Guest Editor

Discretization is an important procedure in contemporary mathematics. This is true in the building of theories as well as in its many applications, which are of interest both in and of themselves as well as for the technology employed. Mathematical morphology can be described as the study of shapes, carried out in a systematic way and using the theory of lattices and complete lattices pioneered by Garrett Birkhoff. In today's rich world of discrete structures, discrete optimization is a natural counterpart to optimization using real variables. To this, we can add the existence of many conferences of great importance, both socially and scientifically: the Discrete Geometry for Computer Imagery (DGCI), and the International Workshop for Computerized Image Analysis (IWCIA), as well as the International Symposium for Mathematical Morphology (ISMM), the two latter now joined into the Discrete Geometry and Mathematical Morphology (DGMM).

## Guest Editor

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## Deadline for manuscript submissions

closed (30 September 2024)



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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.

#### Editor-in-Chief

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