

# Special Issue

## Advances in Fixed Point Theory and Its Applications

### Message from the Guest Editor

Fixed point theory has many applications in diverse fields ranging from different branches of mathematics to engineering, and from economics to biology. For example, optimization problems including minimization problems, variational inequality problems, equilibrium problems, and variational inclusion problems, among others, are known to be very useful in diverse fields. One of the most successful methods for solving optimization problems is the fixed-point method. Recently, significant research efforts have been devoted to developing fixed point iterative methods for approximating solutions to optimization problems. The aim of this Special Issue is to gather and publish new results on fixed point theory and its applications. We welcome papers on topics including, but not limited to the following:

- iterative methods;
- optimization and control;
- variational problems;
- numerical problems in dynamical systems;
- theory, methods, and applications of optimization;
- mathematical modeling via fixed point theory;
- applications of fixed point theory in engineering, science, and technology.

### Guest Editor

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### Deadline for manuscript submissions

closed (31 December 2023)



## Mathematics

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## About the Journal

### 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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### Editor-in-Chief

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