

# Special Issue

## Fixed Point, Optimization, and Applications

### Message from the Guest Editors

It is well known that fixed point theory in suitable spaces is nowadays an active research area. Results regarding existence, uniqueness, and numerical reckoning fixed points of nonlinear operators find diverse applications in theoretical and applied sciences. Optimization plays an important role in the study of some characteristics that describe diverse nonlinear phenomena of the real world, such as efficiency, control, and much more. The research topics in this field include best approximation, numerical algorithms, optimal control, and well-posedness. The aim of this *Special Issue* is to report new results in the two research areas recorded above: fixed point and optimization, and their applications. The research topics include, but are not limited to, the following:

- The existence and uniqueness of fixed points;
- Best approximation problems;
- Iteration processes for fixed points or best proximity points;
- Nonlinear optimization and applications;
- Variational inequalities and equilibrium problems;
- Dynamical systems and special functions;
- Well-posedness and optimal control.

### Guest Editors

Prof. Dr. Mihai Postolache

Prof. Dr. Jen-Chih Yao

Prof. Dr. Yonghong Yao

### Deadline for manuscript submissions

closed (31 May 2021)



## 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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