Fixed Point Theory and Its Applications in Nonlinear Analysis and Optimization

Guest Editors:

Prof. Dr. Mircea Balaj
Department of Mathematics,
University of Oradea, 410087
Oradea, Romania

Prof. Dr. Vasile Berinde
Department of Mathematics and
Computer Science, North
University Center, Baia Mare
Technical University of Cluj-
Napoca, Victoriei 76, 430122 Baia
Mare, Romania

Dr. Massimiliano Giuli
Department of Information
Engineering, Computer Science
and Mathematics (DISIM),
University of L'Aquila (Univaq),
L'Aquila, Italy

Deadline for manuscript
submissions:
closed (30 November 2023)

Message from the Guest Editors

Fixed point theory is one of the most dynamic areas of research with applications in various fields, such as nonlinear analysis, optimization, differential equations, dynamical systems, mathematics of finance, and various fields of engineering. The existence of fixed points plays a central role, but fixed-point theory also covers other topics, such as methods of computing fixed points, algorithms, or approximation methods.

The purpose of this Special Issue is to gather significant contributions that concern fixed point theory and its applications to nonlinear analysis and optimization. The topics of the Special Issue include, but are not limited to, the following:

- Fixed point theorems in metric spaces or topological vector spaces.
- Fixed point theorems for set-valued mappings.
- Applications of fixed point theory in KKM theory.
- Applications of fixed point theorems in convex analysis.
- Equilibrium, quasi-equilibrium, and complementarity problems.

mdpi.com/si/140849

Special Issue

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