

Special Issue

New Theory and Applications of Nonlinear Analysis, Fractional Calculus and Optimization

Message from the Guest Editor

This Special Issue will pay greater attention to the new originality and real-world applications of nonlinear analysis, fractional calculus, optimization and their applications. We are pleased to invite researchers to contribute their original and high-quality research papers in order to inspire advances in nonlinear analysis, fractional calculus, optimization and their applications. Potential topics include, but are not limited to:

- Nonlinear functional analysis;
- Fixed point, coincidence point, and best proximity point theory;
- Set-valued analysis;
- Critical point theory;
- Matrix theory;
- Convex analysis;
- Boundary value problems;
- Singular and impulsive fractional differential and integral equations;
- Well-posedness of fractional system;
- Fractional epidemic model;
- Modeling biological phenomena;
- Nonsmooth analysis and optimization;
- Stability analysis;
- Dynamics and chaos

Guest Editor

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Deadline for manuscript submissions

closed (30 April 2024)



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About the Journal

Message from the Editor-in-Chief

Axioms is dedicated to the foundations (structure and axiomatic basis, in particular) of mathematical theories, not only from a crisp or strictly classical sense, but also from a fuzzy and generalized sense. This includes the more innovative current scientific trends, devoted to discover and solve new challenging problems. The prime goal of *Axioms* is to publish first-class, original research articles under an open access policy with minimal fees for the authors. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Humberto Bustince

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