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New Theory and Applications of Nonlinear Analysis, Fractional Calculus and Optimization, 2nd Edition

Guest Editor:

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Message from the Guest Editor

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

- 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 systems;
- Fractional epidemic model;
- Modeling biological phenomena;
- Non-smooth analysis and optimization;
- Stability analysis;
- Dynamics and chaos;
- Machine learning;
- Artificial neural networks.









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Message from the Editor-in-Chief

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of 2024).

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