Special Issue

Fixed-Point and Iterative Methods for Nonlinear Operators: Existence, Convergence, Stability, and Applications

Message from the Guest Editor

The investigation of nonlinear operators forms an interdisciplinary domain that holds significant importance across a diverse spectrum of applications. The characteristics and behaviors of these operators play a critical role in advancing our understanding of intricate systems and addressing complex mathematical questions. Such inquiries are particularly relevant in fields that include, but are not limited to, differential equations, dynamical systems, stochastic processes, and evolution equations. This Special Issue of Axioms is dedicated to exploring fixed points of nonlinear operators, as well as common fixed points for families of these operators. It aims to offer researchers an avenue to present the most recent advancements in the field, encompassing both theoretical frameworks and practical applications related to fixed-point problems. A key emphasis will be placed on various iterative methods used for constructing fixed points, alongside analyses of their convergence and stability properties.

Guest Editor

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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

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