

Special Issue

Recent Trends in Numerical Methods for Functional Equations

Message from the Guest Editors

Functional equations provide a powerful framework for solving a large range of problems across various disciplines, from physics and engineering to economics and biology. In this context, numerical methods to approximate their solutions, such as projection methods, Nyström methods, boundary element methods, finite difference, and finite element methods, play a crucial role in extracting meaningful information and insights. We welcome high-quality papers presenting original research findings and comprehensive review articles in the following areas:

Approximation theory;

Orthogonal polynomials;

Numerical integration;

Numerical treatment of the following:

Fredholm integral equations;

Volterra integral equations;

Volterra–Fredholm integral equations;

Singular and hypersingular integral equations;

Differential equations;

Integro-differential equations.

Computational efficiency;

Applications in science and engineering.

Dr. Donatella Occorsio

Guest Editors

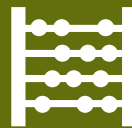
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Deadline for manuscript submissions

closed (1 January 2026)



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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

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