



Theory of Functions and Applications, 2nd Edition

Guest Editor:

Dr. Inna Kalchuk

Faculty of Information
Technologies and Mathematics,
Lesya Ukrainka Volyn National
University, 43025 Lutsk, Ukraine

Deadline for manuscript
submissions:

closed (20 January 2025)

Message from the Guest Editor

Dear Colleagues,

We invite both specialists of function theory and specialists in the related fields of mathematics to publish the results of their research in this Special Issue. We welcome both original and review research articles concerning the latest research on function theory, as well as its applications. Topics include, but are not limited to, the following:

- theory of functions of a real variable
- approximation theory
- asymptotic analysis
- approximation of solutions of differential and integral equations
- trigonometric polynomials, inequalities, and extremal problems
- harmonic analysis
- theory of functions of complex variables
- analytic functions and their generalizations
- entire and meromorphic functions
- applications involving function theory of real and complex analyses





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Humberto Bustince

Department of Statistics,
Computer Science and
Mathematics, Public University of
Navarra, 31006 Pamplona, Spain

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High visibility: indexed within SCIE (Web of Science), dblp, and other databases.

Journal Rank: JCR - Q2 (Mathematics, Applied)

Contact Us

Axioms Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/axioms
axioms@mdpi.com
[X@Axioms_MDPI](https://twitter.com/Axioms_MDPI)