

Special Issue

Fractional Calculus: From Fundamentals to Modern Applications

Message from the Guest Editor

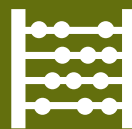
The primary goal of this Special Issue is to provide readers with state-of-the-art research publications that will not only serve as an updated literature review and knowledge update, but also as a means of providing ideas and challenges for future research, and perhaps a platform for different research groups around the world to collaborate in the future. Therefore, manuscripts with fundamental research involving mathematical methods, novel derivative definitions, and numerical methods for faster solutions, among others, are very welcome. Furthermore, applied research studies will definitely aid in the development of an insightful Special Issue by examining fractional calculus applications to different research fields. These fields include process system engineering, transport phenomena, biological systems, electrical circuits, and materials science. By taking these two branches, fundamental and applied research, into account, this Special Issue acts as a valuable reference for both beginners and senior researchers. It is relevant to see how far we can push knowledge and scientific boundaries by employing fractional calculus, and you are invited to contribute to this journey!

Guest Editor

Prof. Dr. Marcelo Kaminski Lenzi
Departamento de Engenharia Química, Universidade Federal do Paraná, Curitiba 81531-990, PR, Brazil

Deadline for manuscript submissions

closed (30 November 2023)



Axioms

an Open Access Journal
by MDPI

Impact Factor 1.6



mdpi.com/si/175621

Axioms
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
axioms@mdpi.com

mdpi.com/journal/

axioms





Axioms

an Open Access Journal
by MDPI

Impact Factor 1.6



[mdpi.com/journal/
axioms](https://mdpi.com/journal/axioms)



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

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

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)