



## Fractional-Order Grey Models and Their Applications

Guest Editor:

**Prof. Dr. Lifeng Wu**

College of Management  
Engineering and Business, Hebei  
University of Engineering,  
Handan 056038, China

Deadline for manuscript  
submissions:

**closed (31 January 2023)**

### Message from the Guest Editor

Fractional calculus, fractional-order ideal, and fractional operators (the fractional-order model) have gained importance and popularity due to applications in many fields. The use of fractional order can improve and generalize well-established mathematics methods and strategies.

Many different fractional-order schemes are presented for the management system. Fractional-order grey models with power-law memory have shown that memory effects can play an important role in economic phenomena and processes. The fractional-order inventory model has memory effects.

The aim of this Special Issue is to investigate the fractional model extent and its applications, with particular emphasis on management system. We invite authors to submit their original research and review articles exploring the issues and extent of the fractional-order grey model.





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 - Q1 (Mathematics, Applied)

## Contact Us

---

*Axioms* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/axioms](http://mdpi.com/journal/axioms)  
[axioms@mdpi.com](mailto:axioms@mdpi.com)  
X@Axioms\_MDPI