



## Calculus of Variations and Nonlinear Partial Differential Equations

Guest Editor:

**Dr. Savin Treanță**

Department of Applied  
Mathematics, Faculty of Applied  
Sciences, University Politehnica  
of Bucharest, 060042 Bucharest,  
Romania

Deadline for manuscript  
submissions:

**closed (30 November 2022)**

### Message from the Guest Editor

Dear Colleagues,

The current Special Issue invites studies related to the calculus of variations and nonlinear partial differential equations. More specifically, this Special Issue aims to develop essential tools for solving problems arising in various branches of mathematical analysis, such as variational inequality problems, nonlinear optimization problems, equilibrium problems, complementarity problems, and integral and differential equations.

The main objective of this Special Issue is to provide a platform for researchers to report new initiatives and developments in the field of nonlinear analysis, calculus of variations, and partial differential equations. Original research and review articles are welcome.

Prof. Dr. Savin Treanță  
*Guest Editor*





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)

**Rapid Publication:** manuscripts are peer-reviewed and a first decision is provided to authors approximately 21 days after submission; acceptance to publication is undertaken in 3.4 days (median values for papers published in this journal in the first half of 2024).

## 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](https://mdpi.com/journal/axioms)  
[axioms@mdpi.com](mailto:axioms@mdpi.com)  
[X@Axioms\\_MDPI](https://twitter.com/Axioms_MDPI)