

## Special Issue

# Advances in Computation and Mathematics in Electrical and Electronic Engineering

### Message from the Guest Editors

The application of computational and mathematical advances in electrical engineering is considered one of the greatest challenges of science in this century. The complexity issued from high non-linearity, new materials' properties, multiphysical problems, and the multiplicity of multiphysical problems has demanded unlimited creativity from researchers. This Special Issue of *Axioms* intends to showcase new paths that are emerging from academic environments that have accepted the challenge of modeling the most complex phenomena present in the electromagnetic devices of our times. Thus, we invite you to submit the results of your research in this Special Issue that will mark a new phase in the simulation techniques of electromagnetic phenomena.

---

### Guest Editors

Prof. Dr. José R. Cardoso

Departamento de Engenharia de Energia e Automação Elétricas,  
Escola Politécnica da Universidade de São Paulo, Sao Paulo 05508-900, Brazil

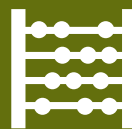
Dr. Rooney R. A. Coelho

Departamento de Engenharia de Energia e Automação Elétricas,  
Escola Politécnica da Universidade de São Paulo, Sao Paulo 05508-900, Brazil

---

### Deadline for manuscript submissions

closed (30 December 2023)



## Axioms

---

an Open Access Journal  
by MDPI

---

Impact Factor 1.6



[mdpi.com/si/148651](https://mdpi.com/si/148651)

*Axioms*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[axioms@mdpi.com](mailto:axioms@mdpi.com)

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

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





# 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)