Special Issue

Mathematical Physics and Integrable Systems

Message from the Guest Editors

This Special Issue, titled "Mathematical Physics and Integrable Systems", will be published in the journal *Axioms*. The study of mathematical physics and integrable systems, such as solitons, Hamiltonian structure, symmetries, gauge theory, neural networks, and applications on differential equations, is crucial in the field of integrable systems. Tau functions play a significant and intriguing role in these systems. Notably, the Kadomtsev–Petviashvili (KP) equation, a fundamental integrable system in mathematical physics, has attracted increasing attention in shallow water and internal waves. Toda equations also play an important role in the theory of integrable systems. We invite authors to submit their papers to our Special Issue.

Guest Editors

Prof. Dr. Chuanzhong Li College of Mathematics and Systems Science, Shandong University of Science and Technology, Qingdao 266590, China

Dr. Haifeng Wang Department of Mathematics, School of Science, Jimei University, Xiamen 361021, China

Deadline for manuscript submissions

20 November 2025



Axioms

an Open Access Journal by MDPI

Impact Factor 1.6



mdpi.com/si/237894

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



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)