Special Issue

String Theory and Mathematical Physics

Message from the Guest Editors

String theory is mathematically oriented, and in that sense, M-theory is also based on a mathematically consistent exposition; as such, it is a branch of theoretical physics or mathematical physics. This mathematical aspect of string theory, therefore, forms a bridge between the microcosm and macrocosm. However, this theory needs to be tested for its viability through several, critical experiments. Today, M-theory is facing rigorous testing at the Large Hadron Collider (LHC) of CERN via the supersymmetry verification scheme. The first evidence for string theory obtained at the LHC, as of 2012 and even in 2014, was not particularly convincing. What, then, is the evidential status of string theory? Either it is just an elaborate hypothesis with many possibilities, or it is, even now, still a toddler trying to walk out with trembling feet. Through this Special Issue, we would like to invite scientists from various fields to submit their thoughts in the form of research papers on the proposed theme: “String Theory and Mathematical Physics”.

Guest Editors

Prof. Dr. Irina Radinschi

Prof. Dr. Saibal Ray

Prof. Dr. Farook Rahaman

Dr. Theophanes Grammenos

Dr. Marius-Mihai Cazacu

Deadline for manuscript submissions

closed (30 November 2022)

Axioms

an Open Access Journal by MDPI

Impact Factor 1.6

mdpi.com/si/75261

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

MDPI

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)