# Special Issue

# Symmetries of Integrable Systems

## Message from the Guest Editor

The symmetries of integrable systems are important in studies on integrable systems, including the Virasoro symmetries. In these symmetries, the additional symmetry is an interesting and important one. As we know, the Kadomtsev-Petviashvili (KP) hierarchy is an important integrable system that attracts more and more attention in mathematical physics. Additional symmetries of the KP hierarchy were introduced by Orlov and Shulman that contain Virasoro symmetries, which have Virasoro constraints on partition functions of matrix models of string theory under the additional nonisospectral symmetries. There are two important subhierarchies of the KP hierarchy, which are the BKP hierarchy and the CKP hierarchy. Similar cases can be used in the Toda hierarchy. We welcome authors to submit their papers to our Special Issue.

## **Guest Editor**

Prof. Dr. Chuanzhong Li

College of Mathematics and Systems Science, Shandong University of Science and Technology, Qingdao 266590, China

## Deadline for manuscript submissions

closed (20 July 2023)



## **Mathematics**

an Open Access Journal by MDPI

Impact Factor 2.2 CiteScore 4.6



mdpi.com/si/96368

Mathematics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
mathematics@mdpi.com

mdpi.com/journal/mathematics





# **Mathematics**

an Open Access Journal by MDPI

Impact Factor 2.2 CiteScore 4.6



## **About the Journal**

## Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

#### Editor-in-Chief

Prof. Dr. Francisco Chiclana

School of Computer Science and Informatics, De Montfort University, The Gateway, Leicester LE1 9BH, UK

#### **Author Benefits**

## **High Visibility:**

indexed within Scopus, SCIE (Web of Science), RePEc, and other databases.

#### **Journal Rank:**

JCR - Q1 (Mathematics) / CiteScore - Q1 (General Mathematics)

## **Rapid Publication:**

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.4 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).

