Rota-Baxter Algebra and Related Topics

Guest Editors:

Dr. Li Guo
Department of Mathematics and Computer Science, Rutgers University, Newark, NJ 08550, USA

Dr. Liangyun Zhang
College of Sciences, Nanjing Agricultural University, Nanjing 210095, China

Deadline for manuscript submissions:
closed (30 January 2023)

Message from the Guest Editors

Rota–Baxter algebra has its origin in the work of G. Baxter, likely around 1960, and was studied by Atkinson, Cartier and Rota in its early years. Independently, Rota–Baxter Lie algebra appeared as the operator form of the classical Yang–Baxter equation. The subject experienced a remarkable renaissance into this century, thanks to its roles in combinatorics, number theory and mathematical physics. Its more recent studies have touched upon even broader areas of research as illustrated below.

You are invited to contribute to the Special Issue on "Rota–Baxter Algebras and Related Topics" of MDPI *Mathematics*. For further information of the journal, see

https://www.scimagojr.com/journalsearch.php?q=21100830702&tip=sid&clean=0

where the journal, even if very new, is listed in quartile 2 in Mathematics since 2020 with an SJR score of 0.495. This puts the journal at about the same level as *Canadian Mathematical Bulletin* (0.522), *Frontiers of Mathematics in China* (0.482), *Glasgow Mathematical Journal* (0.482) and *Bulletin of the Australian Mathematical Society* (0.479).

Special Issue

Editor-in-Chief

Prof. Dr. Francisco Chiclana
School of Computer Science and
Informatics, De Montfort
University, The Gateway,
Leicester LE1 9BH, UK

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), RePEc, and other databases.
Journal Rank: JCR - Q1 (Mathematics) / CiteScore - Q1 (General Mathematics)

Contact Us