



Yang-Baxter Equations, Nonassociative Structures and Applications —In Memoriam, Ștefan Papadima

Guest Editor:

Dr. Florin Felix Nichita

Simion Stoilow Institute of
Mathematics of The Romanian
Academy, P.O. Box 1-764, 014700
Bucharest, Romania

Deadline for manuscript
submissions:

30 June 2024

Message from the Guest Editor

The Yang-Baxter equation first appeared in a paper by the Nobel laureate C.N. Yang and in R.J. Baxter's work. In 1990, at the International Mathematics Congress, three of the four field's medalists were awarded prizes for their work related to the Yang-Baxter equation. This equation plays a crucial role in many areas of mathematics, physics and computer science. Many scientists have used the axioms of various algebraic structures or computer calculations in order to produce solutions for it, but the full classification of its solutions remains an open problem.

This Special Issue is dedicated to Ștefan Papadima (1953–2018), whom we would like to commemorate as a professor and researcher. I remember our discussions on Artin groups, Yang-Baxter equations and the Alexander polynomial of knots, but there were also other investigations which remained unpublished. We will focus on various aspects of the Yang-Baxter equations, nonassociative structures and the related structures, and we would like to gather together both interesting reviews and research papers.

