

# Special Issue

## Advances in Hypercompositional Algebra and Its Fuzzifications

### Message from the Guest Editor

We are excited to present the Special Issue “Advances in Hypercompositional Algebra and its Fuzzifications,” which showcases the latest research and developments in two pivotal areas of modern algebra:

hypercompositional algebra and fuzzy algebraic structures. This Special Issue explores the innovations in hypercompositional algebra and its fuzzifications, emphasizing their relevance in different areas like decision making, pattern recognition, artificial intelligence, etc. By presenting a collection of high-quality peer-reviewed papers, this issue aims to foster a deeper understanding and stimulate further research in these dynamic fields. It serves as a valuable resource for researchers, practitioners, and students who are keen on exploring the theoretical foundations and practical applications of hypercompositional algebra and fuzzy algebraic systems. We invite you to explore this Special Issue and join us in advancing the frontiers of algebraic research.

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### Guest Editor

Dr. Madeleine A-Tahan

College of Engineering, Department of Mathematics and Statistics, Abu Dhabi University, Abu Dhabi, United Arab Emirates

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### Deadline for manuscript submissions

31 January 2026



## Mathematics

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## 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.

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### Editor-in-Chief

Prof. Dr. Francisco Chiclana

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

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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).