

## Special Issue

# Advances in Octahedron Sets and Its Applications

### Message from the Guest Editors

A triple of an interval-valued fuzzy set, an intuitionistic fuzzy set, and a fuzzy set was introduced by the concept of Octahedron sets [respectively, IVI-Octahedron sets, where IVI means invariant visibility intervals]. Since then, numerous researchers have explored various directions, i.e., abstract algebra, topology, decision making, category theory, geometry theory, and computer science, probabilistic problems, and statistical analysis. In particular, Octahedron sets is a concept used in computer graphics and visualization to efficiently render multi-dimensional scenes and help optimize this process by representing the visibility information of objects in multiple scenes. The purpose of this Special Issue is to reveal the various applications of the Octahedron sets in technology and science. Furthermore, contributed research on the Octahedron sets and their applications will serve researchers and companies interested in this topic. Finally, we invite excellent manuscripts from researchers interested in this subject.

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### Guest Editors

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### Deadline for manuscript submissions

closed (1 November 2024)



## Axioms

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## 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.

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### Editor-in-Chief

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