

Special Issue

Fuzzy Logic as the Foundation for Theories of Fuzzy Mathematical Structures

Message from the Guest Editors

Fuzzy logic, initiated in 1965 by L.A. Zadeh, serves now as the basis for a broad field of modern science that can be unified as the theory and applications of fuzzy mathematical structures. In turn, now, more than 55 years after Zadeh's pioneering paper, fuzzy logic has evolved into a deep field of mathematics that has numerous applications in both theoretical mathematics and other fields of science. This Special Issue is dedicated to the 70th birthday and approximate 45th anniversary of the research activity in this field of the outstanding scientist Prof. Vilém Novák, whose contribution to fuzzy logic, both in the narrow and broad sense, is fundamental. The of this issue invite high-quality papers on fuzzy logic, both theoretical and applied, as well as papers on the various fields of fuzzy mathematical structures, where ideas, methods, and results of fuzzy logic are manifested.

Guest Editors

Dr. Alexander Šostak

Dr. Michal Holcapek

Dr. Antonin Dvorak

Deadline for manuscript submissions

closed (10 August 2022)



Axioms

an Open Access Journal
by MDPI

Impact Factor 1.9



mdpi.com/si/91977

Axioms

MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
axioms@mdpi.com

[mdpi.com/journal/
axioms](https://mdpi.com/journal/axioms)





Axioms

an Open Access Journal
by MDPI

Impact Factor 1.9



[mdpi.com/journal/
axioms](https://mdpi.com/journal/axioms)



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.

Editor-in-Chief

Prof. Dr. Humberto Bustince

Department of Statistics, Computer Science and Mathematics, Public
University of Navarra, 31006 Pamplona, Spain

Author Benefits

Open Access

— free for readers, with article processing charges (APC) paid by authors or their institutions.

High visibility:

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

Journal Rank:

JCR - Q1 (Mathematics, Applied)