

Special Issue

Fuzzy Logic and Its Applications

Message from the Guest Editor

This Special Issue calls for the newest advancements to create a common communication platform for both theoreticians and practitioners working on fuzzy logic in the area of its application to fuzzy systems, soft computing, and related areas. It will provide a platform for exchanging ideas among scientists. Fuzzy logic may be currently seen as a broad spectrum of logical systems, which allow the statements to take truth values from the whole continuum between truth and falsehood. Indeed, fuzzy logic may be currently understood from mutually different epistemic perspectives, which elucidate the nature of fuzzy logic itself and a broad variety of different ways in which fuzzy logic lives in engineering practice and applications. Logicians can see fuzzy logic as a branch of mathematical logic and foundations of formal sciences. Mathematicians may tend to consider fuzzy logic as interesting research on MV-algebras and other close-related structures. Finally, experts in soft computing, AI, and knowledge representation may rather see fuzzy logic as machinery for dealing with approximate reference, uncertainty and vagueness in practice.

Guest Editor

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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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