

Special Issue

Soft Computing and Fuzzy Mathematics: New Advances and Applications

Message from the Guest Editor

The aim of this Special Issue is to collect various theoretical studies that are related to fuzzy mathematics and include new theoretical results, the applications of which are reflected primarily in image processing. We invite you to contribute new results in the following domains: functions with values of $[0,1]$; fuzzy metric topological spaces; theory of fixed points; uncertainty in geometries (Euclidean, digital, computational, etc.); and system dynamics. New results are welcome, especially in (fuzzy) shape recognition and analysis. We are especially interested in their application in image analysis. The relevant research topics include, but are not limited to, the following: - Fuzzy metric and topological spaces in practical problems.

- Fixed point theory.
- Image analysis and digital and computational geometry and topology.
- Fuzzy and crisp shape recognition and analysis.
- Advanced methods of mathematical modeling and optimization in image processing and other applications.

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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