# Decision Making under Uncertainty in Soft Computing

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## Message from the Guest Editors

Dear Colleagues,

Soft computing is a branch of Artificial Intelligence that focuses on techniques used for the resolution of problems that incorporate incomplete, uncertain and/or imprecise information.

Difficulties in making decisions about real-life problems have motivated the development of decision theory. Fuzzy set theory and its generalizations are fundamental in the processing of imprecise information and reasoning under uncertainty. These theories provide theoretical and practical frameworks that are suitable for modeling in many types of applications.

The purpose of this Special Issue is to gather a collection of articles on cutting-edge advances and developments in this field, which includes, but is not limited to, topics such as: optimization, decision making, aggregation functions, natural language processing, knowledge representation, extensions and generalizations of fuzzy sets, aggregation operations, fuzzy programming, and approximate reasoning. Manuscripts on theoretical foundations and applied developments and related methodologies of soft computing in the domains of economics, medical sciences, engineering, industry, social sciences, and others, are welcome.

Special Issue

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## 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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