

Tentative Outline

Special Thematic Issue for The Open Artificial Intelligence Journal Advances in Fuzzy Sets and Systems: Theory, Methods and Applications

Guest Editors: Dr. Ismat Beg

Aims & Scope:

Dealing with uncertainty and hesitation in real life is always a challenging task, and different tools have been proposed in the literature to deal with it. In 1965, Zadeh gave the notion of fuzzy sets in his seminal paper. The study of fuzzy sets has rapidly advanced in the last 55 years in a variety of ways and in many disciplines. Fuzzy sets and systems have been widely applied to logic, decision theory, economics, medicine, artificial intelligence, management science, control engineering, operations research, computer science, pattern recognition, and robotics. Recently further extensions of fuzzy sets have also been introduced to deal with more complex situation.

Keywords:

Fuzzy TOPSIS, Fuzzy Control System, Fuzzy sets, Soft Computing, Integral.

Subtopics:

In this special issue, we intend to consider the recent advances in theory and the related topics with real world applications. Potential topics include but not limited to:

Fuzzy TOPSIS

Fuzzy AHP

Fuzzy Preference Relations

Similarity/Information Measures

Fuzzy Control System

Decision Making Methods and Techniques using fuzzy sets

Soft Computing

Fuzzy Relational Clustering Algorithm

Integrals like Choquet and Sugeno Integral

Applications in real world problems

Schedule:

• **Time line for submission: September 15, 2020**

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