



Fuzzy Relation Equations: Trends and Applications

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Message from the Guest Editors

Dear Colleagues,

Since the late Elie Sanchez in 1976 started the study of fuzzy relation equations, a lot of water has passed under the bridge; theory and practice were and are widely dealt with and known. Applications are oriented by looking for several types of relation equations. Mainly, fuzzy systems are ruled from suitable equations where internally the fuzzy relation mimics the ties between inputs and the outputs of the system. This Special Issue contains the most recent trends and related applications of fuzzy relation equations in the real world; many authors have implemented theory and practice within certain applications, publishing their works on many journals worldwide. Papers connected to the mathematical aspects of relation equations are also welcome; giving the fundamentals of algebraic structures is an important and cogent topic. On the other hand, Sanchez' work looked to complete Brouwerian lattices for finding an environment in which diagnosis of diseases is well adapted to the symptoms displayed by patients (Sanchez was also a practicing doctor). This Special Issue is dedicated to him.





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Editor-in-Chief

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Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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