



Symmetry in New Trends for Discrete Fractional Calculus with Applications

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Message from the Guest Editors

Dear Colleagues,

With this Special Issue, a new perspective on applied sciences and natural phenomena will be provided from the perspective of discrete fractional sums. In the light of the concepts introduced within the scope of discrete fractional calculus, it is aimed to deal with a wide spectrum of topics, such as chaos theory, control theory, systems of equations that schematize disease models, approximation theory, computational sciences, fluid dynamics, majorization problems, numerical analysis, stability, and regularity problems. The concept of symmetry is an aesthetic structure used to explain nature and real world problems, as well as strengthen the relations between mathematical sciences and applied sciences, such as physics and engineering. Especially in fractional analysis, it emerges in the structure and applications of operators. For this reason, the concept of symmetry will be at the forefront of the works that will take place in a Special Issue.

We invite investigators and our participants to contribute to Special Issue with original papers describing advances, findings, and future trends in the field of Mathematical Sciences





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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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