

Special Issue

Functional Equations and Inequalities: Topics and Applications

Message from the Guest Editor

This Special Issue aims to present a collection of cutting-edge research that reflects the vibrancy and breadth of functional equations and inequalities. We seek to foster an exchange of ideas and showcase the power of these mathematical tools in addressing contemporary scientific challenges. The study of functional equations often involves inherent symmetries and structures, aligning well with the scope of many multidisciplinary and mathematical journals. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- General solution methods for various types of functional equations and inequalities;
- Stability of functional equations;
- Functional equations on diverse algebraic and abstract structures (e.g., groups, Banach spaces, fuzzy settings);
- Applications of functional equations and inequalities in mathematics, physics, economics, engineering, information theory, and other sciences;
- Connections between functional equations and other mathematical disciplines such as operator theory, fixed point theory, and dynamical systems;
- Iterative functional equations and functional differential/integral equations.

Guest Editor

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About the Journal

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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