

Special Issue

Nonlinear Analysis and Its Applications in Symmetry

Message from the Guest Editor

This Special Issue of *Symmetry* is devoted to recent advances in nonlinear analysis and its applications. The growing significance of nonlinear analysis and its applications has been realized in the recent years. This is due not only to theoretical achievements in this area, but also because of numerous applications to engineering, economics, biology, behavioral sciences, etc. It has become more and more evident that nonlinear analysis is of crucial importance in the Mathematical Sciences. Its ideas and methods have turned out to be essential tools in the analysis of nonlinear phenomena in many areas of Mathematics. Among these areas, one can mention ordinary differential equations, partial differential equations, nonlinear operator theory, the calculus of variations, optimal control theory, optimization, and mathematical economics. Our aim is for this Special Issue to be valuable to mathematicians and applied scientists who are interested in recent developments in nonlinear analysis and its applications. Please note that all submitted papers must be within the general scope of the *Symmetry* journal.

Guest Editor

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closed (15 March 2022)



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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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