



## Symmetry in Nonlinear Functional Analysis and Optimization Theory

Guest Editor:

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### Message from the Guest Editor

Dear Colleagues,

Nonlinear Functional Analysis and Optimization Theory are two closed related two research fields in applied mathematics. A lot of problems such as differential equations and integral equations in nonlinear analysis, can be solved via optimization methods. In particular, fixed/zero-point problems nonlinear operators are under the spotlight of mathematicians working on optimization theory. Recently, a number of optimization methods, such as, projection-like methods, have been investigated for solving various nonlinear equations. Many important applications have been carried out in engineering fields, such as, transportation, economics, medicine, and machine learning.

In this Special Issue, we will focus on high-quality research on nonlinear functional analysis and optimization theory, in particular complementary problems, differential equation, integral equations, equilibrium problems, monotone operators, fixed/zero points, convex feasibility problems, split feasibility problems and their applications to the real world...





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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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