

Special Issue

Iterative Numerical Functional Analysis with Applications

Message from the Guest Editor

A plethora of problems from diverse disciplines such as Mathematics, Mathematical Biology, Chemistry, Economics, Physics, Scientific Computing, and also Engineering can be formulated as an equation defined in abstract spaces using mathematical modeling. The solutions of these equations can be found in closed form only in special cases. That is why researchers and practitioners utilize iterative procedures from which a sequence is being generated approximating the solution under some conditions on the initial data. This type of research is considered most interesting and challenging. This is our motivation for the introduction of this Special Issue on iterative procedures. The issue will consider papers on:

- Iterative methods in abstract spaces with applications;
- Iterative solution of differential equations;
- Iterative solution of integral equations;
- Iterative solution of integral–differential equations;
- Optimal iterative methods for solving equations and systems of equations;
- Related topics.

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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