



Recent Advances in Fixed Point and Best Proximity Point Problems and Their Applications

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Message from the Guest Editors

The main goal of this Special Issue is to gather the recent results and discussion around research in nonlinear (functional) analysis, with a particular interest in the improvements to the theoretical side of fixed point theory that may play a crucial role in the solution of real-world problems.

The fixed point $f(x)=x$ equation is equivalent to $F(x)=0$ where $F(x)=x-f(x)$. Thus, the concrete solution of such equations takes "fixed point theory" into account. In cases where it is not possible to solve such a problem, any approximative solution is also worth considering and can be identified through the best proximity point theory. Roughly speaking, best proximity means the minimal value of $d(x, f(x))$ if $f(x)$ is not equal to x .

These approaches help us to overcome the difficulties arising in the study and computational simulation of nonlinear analysis. For the solution of the problems and/or to identify better solutions, researcher refine the existing axioms and requirements. In this Special Issue, we aim to explore the trends in the solutions of real-world problem, in particular by using the fixed/best-proximity point theory.





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Message from the Editor-in-Chief

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