New Trends on Fixed Point Theory

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Message from the Guest Editors

The fixed point theory occupies an important place in the nonlinear functional analysis, numerical mathematics, economics as well as in applied sciences. This Special Issue is dedicated to the modern theory of a fixed point from two aspects: metric and topological. Additionally, we expect applications in fractional differential equations, fractional differential inclusions, fractional boundary value problems and fractional operators.

In this Special Issue, we hope to publish papers showing aspects of the application of topological methods in the fixed point theory, focusing primarily on Schauder-type theorems for single-valued mappings.

The final goal is to publish novel results concerning multivalued mappings (Kakutani-type theorems). This primarily refers to applications in mathematical economics (the existence of a maximal element and the equilibrium problem).

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