



*Special Issue Reprint*

## Fixed Point Theory and Its Related Topics II

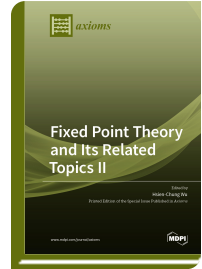
[www.mdpi.com/books/reprint/4429](http://www.mdpi.com/books/reprint/4429)

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ISBN 978-3-0365-2173-2 (Hardback)

ISBN 978-3-0365-2174-9 (PDF)



Fixed point theory arose from the Banach contraction principle and has been studied for a long time. Its application mostly relies on the existence of solutions to mathematical problems that are formulated from economics and engineering. After the existence of solutions is guaranteed, the numerical methodology will be established to obtain the approximated solution. Fixed points of function depend heavily on the considered spaces that are defined using the intuitive axioms. In particular, variant metrics spaces are proposed, like a partial metric space, b-metric space, fuzzy metric space and probabilistic metric space, etc. Different spaces will result in different types of fixed point theorems. In other words, there are a lot of different types of fixed point theorems in the literature. Therefore, this Special Issue welcomes survey articles. Articles that unify the different types of fixed point theorems are also very welcome. The topics of this Special Issue include the following:

Fixed point theorems in metric space

Fixed point theorems in fuzzy metric space

Fixed point theorems in probabilistic metric space

Fixed point theorems of set-valued functions in various spaces

The existence of solutions in game theory

The existence of solutions for equilibrium problems

The existence of solutions of differential equations

The existence of solutions of integral equations

Numerical methods for obtaining the approximated fixed points



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