Editorial

Existence and Uniqueness of Fixed Point in Various Abstract Spaces and Related Applications

Erdal Karapınar,[1,2] Wei-Shih Du,[3] Poom Kumam,[4] Adrian Petruşel,[5] and Salvador Romaguera[6]

[1]*Department of Mathematics, Atilim University, İncek, 06836 Ankara, Turkey*
[2]*Nonlinear Analysis and Applied Mathematics Research Group (NAAM), King Abdulaziz University, Jeddah, Saudi Arabia*
[3]*Department of Mathematics, National Kaohsiung Normal University, Kaohsiung 824, Taiwan*
[4]*Department of Mathematics, Faculty of Science, King Mongkut's University of Technology Thonburi (KMUTT), 126 Pracha Uthit Road, Bang Mod, Thung Khru, Bangkok 10140, Thailand*
[5]*Faculty of Mathematics and Computer Science, Babeş-Bolyai University Cluj-Napoca, Cluj-Napoca, Romania*
[6]*Instituto Universitario de Matematica Pura y Aplicada, Universitat Politècnica de València, Cami de Vera s/n, 46022 Valencia, Spain*

Correspondence should be addressed to Erdal Karapınar; erdalkarapinar@yahoo.com

As the editorial team of this special issue, we firstly aimed to initiate and iterate further scientific activity in the field of fixed point theory and its applications. Secondly we aimed to attract and invite talented graduate students and young mathematicians to this one of the most lively areas of mathematics by providing them with an access to the pioneering work of many exceptional scholars studying in the area.

In particular we collect and announce the outstanding results currently available on the existence and uniqueness problems in distinct abstract spaces in this special issue. We also broaden the scope of the issue by including possible applications of the works presented in the various branches of mathematics and some other quantitative sciences.

While undertaking this task our main difficulty as acting editors was to choose from 63 high quality papers to publish in this special issue. Among all of these 63 distinguished papers, we have chosen 25 outstanding peer-reviewed papers concerning various aspects of fixed point theory and application. These highly qualified papers, published in this special issue, not only have novelty but also contain creative, distinguished, and interesting ideas. We sincerely hope with this issue that we add the speed of the development of the topics covered herein by spreading the current level of knowledge to the interested parties as much as possible.

Authors' Contribution

All authors contributed equally and significantly to writing this paper. All authors read and approved the final paper.

Erdal Karapınar
Wei-Shih Du
Poom Kumam
Adrian Petruşel
Salvador Romaguera