EDITORIAL
FIXED POINT THEORY, ULAM STABILITY AND RELATED APPLICATIONS

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This Special Issue originates from the special session of the "International Workshop on Mathematical Methods in Engineering, MME-2017" which was held on April 27-29, 2017 in Çankaya University and was organized by the Department of Mathematics at the Çankaya University-Ankara, Turkey.

In addition to selected contributions presented at the conference, we intend to publish high quality papers that outline recent progress in Fixed Point Theory, Ulam stability and related applications. It will reflect both the theoretical research and important recent advances in applications. In the last decades, discussing the existence and uniqueness of fixed points of single and multivalued operators in different kind of spaces (such as partial metric spaces, quasimetric spaces, pseudo-quasi-metric spaces, b-metric spaces and fuzzy metric spaces, among others) has attracted the attention of several researchers in the field of Nonlinear Analysis. The enormous potential of its applications to almost all quantitative sciences (such as Mathematics, Engineering, Biology, Economics, Chemistry, Computer Science, and other sciences) justify the great interest in this area.

Among all of the submitted manuscripts, we have chosen 10 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. Evidently, it is not possible to cover all aspects of current research on Fixed Point Theory, Ulam stability and related applications adequately in a special issue, but we believe that it reflects both theoretical research and potential applications including recent challenging problems, new ideas, and open problems.

Acknowledgments

As guest editors for this special issue, we would like to express our gratitude to the authors for their contributions and to the mathematicians who served as the reviewers. We hope that the topics covered in this special issue will enhance and motivate future research in several directions. In addition, we would also like to convey our appreciation to the editorial board members of FILOMAT for their kind assistance and support throughout the reviewing process and the preparation of this special issue.

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