

## PREFACE



This special issue is edited in honor of Professor Adrian-Olimpiu Petrușel on the occasions of his 60th birthday for his substantial contribution to Nonlinear Analysis: Fixed Point Theory, Differential Equations, Multivalued Analysis and for his scientific leadership.

Professor Adrian-Olimpiu Petrușel was born on 9 February, 1963 in Satu-Mare, Romania. He received doctorate degree in Mathematics in 1994, at the Babeș-Bolyai University, Cluj-Napoca, Romania, with a thesis on "Fixed point technique in the theory of differential inclusions" supervised by Professor Ioan A. Rus. He won several awards including "Babeș-Bolyai" University prize in 2002 for the book: I.A. Rus, A. Petrușel, G. Petrușel: Fixed Point Theory 1950-2000 : Romanian Contributions, House of the Book of Science Cluj-Napoca, 2002, 325 pp; and the distinction award "Bologna Professor" by AOSR Student Organization in 2021. Professor Petrușel is a member of several mathematics societies including Academy of Romanian Scientists (Corresponding Member since 2018), Romanian Mathematical Society, American Mathematical Society, European Mathematical Society, and International Society for Mathematical Sciences, Osaka, Japan. His fields of interest include: Nonlinear operators and Differential Equations; Fixed Point Theory; Differential and Integral Equations and Inclusions; and Dynamical Systems, from which he has supervised more than 15 PhD students. Professor Petrușel is the Editor-in-Chief of the journal "Fixed Point Theory - An International Journal on Fixed Point Theory, Computation and Applications"; Co-Editor-in-Chief of the journal "Fixed Point Theory and Applications/Fixed Point Theory and Algorithms for Science and Engineering", Springer; Co-Editor-in-Chief of the journal "Studia Universitatis Babeș-Bolyai, Mathematica"; and Associate Editor of the journal "Journal of Function Spaces". He also belongs to editorial board of many journals in his field of interests including: Scientiae Mathematicae Japonicae; FILOMAT; Miskolc Math. Notes; Applicable Analysis and Discrete Mathematics; Discrete Dynamics in

Nature and Society; Linear and Nonlinear Analysis; The Journal of Nonlinear Sciences and its Applications(TJNSA); Applied Analysis and Optimization; Journal of Nonlinear and Variational Analysis; Mathematical Analysis and Convex Optimization; Journal of Nonlinear Analysis and Optimization-Theory & Applications; Annals of the Tiberiu Popoviciu Seminar on Functional Equations, Approximation and Convexity; International Journal of Mathematical Sciences; and Mathematica(Cluj). Professor Adrian-Olimpiu Petruşel has published more than 160 papers in various known and good journals indexed by Web of Science-Clarivate Analytics.

This special issue includes manuscripts on related research areas of Professor Adrian-Olimpiu Petruşel. The special issue shows the state of the art knowledge related to nonlinear operators and differential equations; fixed point theory; differential and integral equations and inclusions; and dynamical systems which would be a valuable reference for both researchers and practitioners in nonlinear functional analysis. All the manuscripts include new, unpublished and original research results. All submissions are peer-reviewed by experts in order to meet the standard of the journal.

We express our deep appreciation to all the authors for their efforts and contributions. We also thank the reviewers for their expert comments and suggestions while preparing this special issue.

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