



PREFACE

This special issue is dedicated to Professor Vicentiu D. Radulescu, for the occasion of his 65th birthday, which fell in May of 2023.

Professor Vicentiu D. Radulescu has made some seminal contributions in the areas of nonlinear partial differential equations of an elliptic type, degenerate and singular phenomena in mathematical physics, topological and variational methods with applications to partial differential equations and unilateral problems, bifurcation theory and its applications in mathematical physics, chemistry, mathematical biology, spectral analysis for non-homogeneous differential operators and applications to electrorheological fluids and image processing, equilibrium problems and applications, and so on. Professor Radulescu has been recognized with multiple awards, including the Simion Stoilow Prize of the Romanian Academy in 1999 and the Prize for Excellence in Research of the Romanian Research Council in 2007. In 2009, he was named the Best Associate Editor of the Journal of Mathematical Analysis and Applications. In 2013, he received the Award of the Editors-in-Chief of the Journal of Mathematical Analysis and Applications for his editorial activity. In 2014, Professor Radulescu became a Highly Cited Researcher. In the same year, the Chinese Academy of Sciences and Thomson Reuters included him in the 2014 list of the World's Most Influential Scientific Minds.

Professor Radulescu's 65th birthday provides a good opportunity to celebrate the life and success of a great mathematician. We hope a volume of collected papers will provide a lasting mark for this special occasion and bring best wishes to Vicentiu from his friends and colleagues around the world.

We would like to thank all the authors who accepted the invitation to contribute to this special issue, sharing their work with readers. We thank all the referees for their valuable suggestions and comments. We are also very grateful to the Editors-in-Chief of DCDS-S, Xiaoying Han and Alain Miranville for their support in publishing this special issue.

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