



**PREFACE TO THE SPECIAL ISSUE OF THE FIXED POINT METHODS AND
OPTIMIZATION CELEBRATING THE 85TH BIRTHDAY OF PROFESSOR HARI MOHAN
SRIVASTAVA**

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We are honored to present this special issue of *Fixed Point Methods and Optimization* (Volume 2, Issue 2, August 2025), dedicated to celebrating the 85th birthday of Professor Hari Mohan Srivastava, a globally esteemed mathematician recognized for his monumental contributions to mathematical analysis, fractional calculus, special functions, and applied mathematics.

The goal of this issue is to provide a focused platform for showcasing recent advances in fixed point theory, nonlinear analysis, optimization, and related fields that resonate with Professor Srivastava's scholarly legacy. His profound influence spans over six decades of mathematical innovation, with an extensive publication record, editorial service, and international collaboration that has shaped contemporary research across multiple disciplines.

The collection of papers in this issue reflects the thematic richness and technical depth of ongoing research in nonlinear problems and optimization. These contributions offer both foundational insights and novel applications, continuing the spirit of inquiry championed by Professor Srivastava throughout his career.

The article by Jing Zeng, Li Zhou, Zai-Yun Peng, and Minh N. Dao explores Hadamard well-posedness in population games, addressing issues arising from biased data in equilibrium analysis. The authors establish conditions ensuring stability of Nash equilibria and connect well-posedness with continuity properties of solution mappings.

In their contribution, Oluwaseyi David Olawumi and Olubunmi Abidemi Fadipe-Joseph investigate analytic functions associated with the Gegenbauer-Horadam polynomial. Coefficient bounds, subordination principles, and functional estimates are derived, enriching geometric function theory with new structural generalizations.

Ying Zhao and Heng-You Lan present novel three-block Bregman-type Peaceman–Rachford splitting methods for solving sparse signal reconstruction problems. Their approach integrates linear approximation and proves strong convergence under the Kurdyka–Łojasiewicz framework, with numerical illustrations supporting its effectiveness.

The paper by Tiankui Luo, Chenshi Zhou, and Wenda Zhang introduces a variational principle for unstable packing topological entropy in partially hyperbolic dynamical systems. This theoretical development links topological entropy measures with ergodic properties via Borel probability distributions.

Lastly, Na Xian and Ke Guo study the linear convergence rate of the generalized proximal point algorithm under regularity conditions such as subdifferential error bounds and the Polyak–Łojasiewicz inequality. Their analysis confirms that the generalized algorithm preserves convergence efficiency while offering practical acceleration benefits.

We extend our sincere thanks to all contributing authors and reviewers for their excellent work and dedication. We also gratefully acknowledge the editorial support provided by the editorial office at *Fixed Point Methods and Optimization*.

As Guest Editors, it is our privilege to dedicate this volume to Professor Hari Mohan Srivastava in recognition of his outstanding mathematical legacy. We hope this issue inspires continued research in the directions he has so brilliantly championed.

Guest Editors

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