

**EDITORIAL**  
**A SPECIAL ISSUE ON RECENT TRENDS ON VARIATIONAL INEQUALITIES**  
**AND RELATED TOPICS**

The variational inequality, which was introduced by Hartmann and Stampacchia in 1966 and was later expanded by Stampacchia in several important papers, has attracted great attention from numerous researchers. The motivation of this special issue is to collect papers containing very recent results in variational inequalities and related topics which will be useful and helpful for researchers working in these areas. This special issue includes the papers on split inclusion problems, the fixed point theory and applications, variational inequalities and monotone inclusion problems. The issue covers a wide range of contributions on optimization theory and applications which are applicable to many fields of physical interests including the problem of lubrication, the steady filtration of a liquid through a porous membrane, the motion of a fluid past a given profile, and the small deflections of an elastic beam. The contents of this issue bridge the researcher-practitioner gap in optimization theory and applications. This special issue shows the state of the art knowledge related to optimization theory and fixed point methods for solving these optimization problems. It highlights real life problems that are challenging and worthwhile, using theory, models and methods of optimization theory. This issue can be a valuable reference for both researchers and practitioners in optimization. All the papers include new, unpublished and original research with quantitative results supported by a robust numerical implementations of the theoretical results and thereby demonstrating the significance of the results. All submissions are reviewed by at least two reviewers to the standard of the journal. We deeply thank and express our gratitude to all the authors for their valuable efforts and contributions. We also thank the reviewers for their expert opinions and their voluntary contributions in the preparation process of this special issue.

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