Call for papers
Journal of Optimization Theory and Applications

Special Issue: Generalized Convexity, Monotonicity, Variational Analysis and Applications

In recent decades, researchers have increasingly tackled optimization challenges that defy resolution through conventional convex or monotonic frameworks, in view of applications in science, engineering and other disciplines. Consequently, novel methodologies are emerging in non-smooth, variational, and convex analysis. This special issue aims to publish original high-quality papers centered around the broad area of convexity, monotonicity and their extensions, and   variational analysis, in and beyond optimization. Thus, it sheds new light on classical results and opens new approaches to face ''non-convex problems'' in both theoretical and practical scenarios.

Some of the papers collected in the special issue will be presented at the XIV International Symposium on Generalized Convexity and Monotonicity, to be held on September 2-6, 2024, in Pisa, Italy. So that, other researchers working in the area will also be welcome to contribute.

Contributions may include, but are not limited to the following topics:
* Algorithms for fixed point, (quasi-) variational inequality and optimization problems;
* Quadratic optimization problems;
* (Quasi-) Variational inequalities, equilibrium problems and related topics;
* Robust optimization;
* Set optimization;
* Vector optimization.

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Timing:
Submission deadline: March 31, 2025
First Round of Reviews: July 31, 2025
Targeted Publication Date: December 2025

Notice that the same author can appear in a maximum of two papers, but as a corresponding author at most in one paper.

Submission via:
https://link.springer.com/collections/gdbfaefigh

During submission at "Select article type" the authors should select "SI: Generalized Convexity, Monotonicity, Variational Analysis & Applications".