Journal of Global Optimization

An International Journal Dealing with Theoretical and Computational Aspects of Seeking Global Optima and Their Applications in Science, Management and Engineering

Editor-in-Chief: S. Butenko
Managing Editor: A.M.A.C. Rocha

Presenting findings in all theoretical, computational, and applied aspects of global optimization
Publishes important papers on numerical experiments and applications in engineering, management, and the sciences
Explores optimization in the widest sense
Discusses problems arising from applications
Journal awards an annual Best Paper Award

The Journal of Global Optimization publishes carefully refereed papers that encompass theoretical, computational, and applied aspects of global optimization. While the focus is on original research contributions dealing with the search for global optima of non-convex, multi-extremal problems, the journal’s scope covers optimization in the widest sense, including nonlinear, mixed integer, combinatorial, stochastic, robust, multi-objective optimization, computational geometry, and equilibrium problems. Relevant works on data-driven methods and optimization-based data mining are of special interest.

In addition to papers covering theory and algorithms of global optimization, the journal publishes significant papers on numerical experiments, new testbeds, and applications in engineering, management, and the sciences. Applications of particular interest include healthcare, computational biochemistry, energy systems, telecommunications, and finance. Apart from full-length articles, the journal features short communications on both open and solved global optimization problems. It also offers reviews of relevant books and publishes special issues.

Impact Factor: 1.631 (2018), Journal Citation Reports®

On the homepage of Journal of Global Optimization at springer.com you can

Sign up for our Table of Contents Alerts
Get to know the complete Editorial Board
Find submission information