

# CALL FOR PAPERS

Journal of Mathematical Analysis

## **Fixed Point Theory with Applications to Nonlinear Analysis and Optimization**

Fixed point theory is one of the most dynamic areas of research, with applications in various fields such as nonlinear analysis, optimization, differential equations, dynamical systems, mathematics of finance, and various fields of engineering. The existence of fixed points plays a central role, but fixed point theory also covers other topics, such as methods of computing fixed points, algorithms, or approximation methods. Due to the importance of fixed point theory and its applications, it is worthwhile to publish a special issue on this topic to highlight recent advances made by mathematicians actively working in this area.

This special issue aims to promote the exchange of ideas between researchers and to spread new trends in these areas. This special issue will focus on fixed point theory and its applications to nonlinear analysis and optimization and will accept good quality papers containing original research results with exceptional merit.

### **Potential topics include, but are not limited to:**

- Fixed Point and Coincidence Point Theorem
- Operator equations and inclusion problems
- Nonlinear optimization and global optimization
- Engineering applications of fixed point theory
- Mathematical modelling via fixed point theory approaches
- Convergence of iterative approximations and applications
- Fractional Differential and Integral Equations

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