



## Iterative Algorithms for Nonlinear Problems: Convergence and Stability

Guest Editors:

**Prof. Dr. Alicia Cordero**

School of Telecommunications  
Engineering, Universitat  
Politécnica de València, 46022  
Valencia, Spain

**Prof. Dr. Juan Ramón  
Torregrosa Sánchez**

Institute for Multidisciplinary  
Mathematics, Universitat  
Politécnica de València, 46022  
València, Spain

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### Message from the Guest Editors

Dear Colleagues,

Many areas of Science and Technology involve the non-trivial task of solving nonlinear problems. Usually, it is not affordable in a direct way and iterative algorithms play a fundamental role in their approach. This area of research has enjoyed a period of an exponential growth in the last number of years.

This Special Issue is mainly dedicated, but not exclusively, to the design, analysis of convergence and stability of new iterative algorithms for solving nonlinear problems. Moreover, their application to practical problems of Engineering and Basic Sciences are of singular interest. The set of algorithms includes, but is not limited to, methods with and without memory, with derivatives of derivative-free, the real or complex dynamics associated to them and an analysis of their convergence that can be local, semilocal or global.





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## Editor-in-Chief

### Prof. Dr. Frank Werner

Faculty of Mathematics, Otto-  
von-Guericke-University, P.O. Box  
4120, D-39016 Magdeburg,  
Germany

## Message from the Editor-in-Chief

Algorithms are the very core of Computer Science. The whole area has been considered from quite different perspectives, having led to the development of many sub-communities: Complexity theory (limitations), approximation or parameterized algorithms (types of problems), geometric algorithms (subject area), metaheuristics, algorithm engineering, medical imaging (applications), indicates the range of perspectives. Our journal welcomes submissions written from any of these perspectives, so that it may become a forum for exchange of ideas between the corresponding scientific subcommunities.

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*Algorithms* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

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