Computational Methods in Analysis and Applications 2023

Guest Editor:

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Deadline for manuscript submissions:
31 October 2024

Message from the Guest Editor

A plethora of problems in mathematics, economics, physics, biology, chemistry, engineering, and other disciplines can be reduced to solving an equation or a system of equations in an abstract space. The solution of the equation can be found in closed form only in some special cases. That is why most researchers and practitioners introduce iterative methods to produce a sequence approximating the solution under certain conditions. The rapid development of digital computers, advanced computer arithmetic, and symbolic computation have made the implementation of high convergence order methods possible. Moreover, many methods that were previously only of academic interest have now become feasible. The main purpose of this Special Issue is to present new ideas in the field of iterative methods and their applications in the aforementioned disciplines.

This Special Issue provides an opportunity for researchers and practitioners to communicate their ideas. We are inviting contributions of original research papers to stimulate interest in nonlinear equations and related areas.

Special Issue

Editor-in-Chief

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Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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