Special Issue

Advances in Iterative Methods and Stability Analysis for Solving Nonlinear Problems

Message from the Guest Editor

Nonlinear problems have been investigated in science, mathematics, and engineering. Recent advancements in iterative methods have improved convergence rates and reduced computational costs, making them more efficient for complex problems. Nonlinear problems have a wide range of applications, including mechanics, heat conduction, acoustics, semiconductors, medical imaging, nondestructive testing, physics, systems biology, finance, robotics, computer vision, radar, thermoelastics, and groundwater. This Special Issue of *AppliedMath* focuses on the present mathematical theory and simulation regarding nonlinear problems and how they relate to their applications in engineering and science.

Guest Editor

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Message from the Editor-in-Chief

Mathematics permeates all kinds of academic worlds and is a fountain flowing with innovative development. The journal *AppliedMath*, publishing high-quality refereed papers discussing various aspects of applied mathematics, is dedicated to promoting the integration of mathematics with applied disciplines to cultivate a profitable frontier of mathematics. The journal highlights articles devoted to the mathematical treatment of questions and phenomena arising in physics, chemistry, biology, medicine, pharmacy, engineering, information science, social sciences, and humanities. One of the missions of this journal is to serve scientists by quickly announcing the seeds of significant mathematical breakthroughs in science and technology.

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