## **Special Issue**

### Exact Solutions and Numerical Solutions of Differential Equations, 2nd Edition

#### Message from the Guest Editors

Nonlinear differential equations play a significant role in many real-life phenomena, such as in fluid dynamics, optics, acoustics, plasma physics, engineering, and in many other areas of nonlinear science. Thus, it is vital to find solutions to these equations in order to understand and interpret the structure modeled by them. Moreover, researchers have developed a variety of analytical and numerical techniques that can be employed to solve nonlinear differential equations. Some of the well-known techniques include the Lie symmetry method, the inverse scattering transformation approach, Ansatz methods, multistep methods, finite difference/element/volume methods, and many other techniques enumerated in the literature. This Special Issue will be devoted to unveiling the most recent progress in obtaining analytical and numerical solutions to nonlinear differential equations via various methods and to stimulating collaborative research activities.

#### **Guest Editors**

Dr. Ben Muatjetjeja

Prof. Dr. Abdullahi Adem

Dr. P. Kaelo

**Deadline for manuscript submissions** 20 September 2025



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#### Editor-in-Chief

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