

Special Issue

Ordinary and Partial Differential Equations: Theory and Application

Message from the Guest Editor

The study of differential equations is useful for understanding natural phenomena. In this Special Issue, we aim to present the latest research on the properties of ODE (Ordinary Differential Equations) and PDE (Partial Differential Equations) related to different techniques for finding solutions and methods describing the nature of these solutions or their related approximations. In addition, we welcome papers on numerical aspects using classical or non-standard approaches, for example, the concepts and related formalism of special functions. Furthermore, articles on fractional differential equations are of interest, as are contributions related to the symmetry approach to problems of integrability in the field of differential equations.

Guest Editor

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Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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