



Special Issue on Nonlinear Analysis and Differential Equations

Call for Papers

In mathematics, a differential equation is an equation that relates one or more functions and their derivatives. In applications, the functions generally represent physical quantities, the derivatives represent their rates of change, and the differential equation defines a relationship between the two. Mainly the study of differential equations consists of the study of their solutions, and of the properties of their solutions. Only the simplest differential equations are solvable by explicit formulas; however, many properties of solutions of a given differential equation may be determined without computing them exactly.

In this special issue, we intend to invite front-line researchers and authors to submit original research and review articles on **Nonlinear Analysis and Differential Equations**. Potential topics include, but are not limited to:

- Nonlinear analysis, differential equations and control
- Ordinary and partial differential equations
- Nonlinear dynamical systems
- Nonlinear partial differential equations
- Qualitative analysis
- Multifunctional and functional analytic techniques
- Variational and topological methods
- Mathematical control theory
- Complex dynamics
- Numerical methods
- Approximate solution
- Bifurcation analysis

Authors should read over the journal's [For Authors](#) carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal's [Paper Submission System](#).

Please kindly notice that the “**Special Issue**” under your manuscript title is supposed to be specified and the research field “**Special Issue – Nonlinear Analysis and Differential Equations**” should be chosen during your submission.

According to the following timetable:



Scientific Research
Open Access

Advances in Pure Mathematics

ISSN Online: 2160-0384

Submission Deadline	November 2nd, 2021
Publication Date	January 2022

For publishing inquiries, please feel free to contact the Editorial Assistant at submission.entrance1@scirp.org

APM Editorial Office
apm@scirp.org