

Special Issue on

INNOVATIVE RESEARCH BASED ON DIFFERENTIAL EQUATIONS AND CONTROL PROBLEMS

Guest Editors

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Call for Paper

Technological advances require a deep understanding of physical processes in engineering and science. A large number of mathematical models encounter in a wide variety of areas, including, engineering, medicine, science, business and finance and weather forecasting. A variety of such processes can be modeled as ordinary or partial differential equations and can be understood by the solution of such differential equations. Applications of differential equations and control problems are ubiquitous. It can be shape optimization for high-speed vehicles, designing of disaster proof mega structures, understanding of geo-physical flows or understanding of gravitational waves *via numerical simulations etc.* This special issue on **Innovative Research based on Differential Equations and Control Problems** will focus on to innovative research on the differential equations and control problems based model, analysis and numerical techniques for ordinary, partial differential equations, fuzzy, impulsive and fractional differential equations with applications in control problems. Some of the focus areas are given below:

- Analytical and numerical methods for ODEs and PDEs
- Differential Equations on Time Scales and its Applications
- Controllability and Optimal Controls of Differential Equations on Time Scales

- Controllability of Fuzzy Differential Equations
- Fuzzy Differential Equations and its Application
- Fractional Differential Equations and its Applications
- Abstract Differential Equations and its Applications in Real World Problems
- Inverse Problems for Abstract Differential Equations
- Control and Optimization using Differential Equations
- Dynamical Systems and other Related Areas

We invite researchers from worldwide to submit high-quality original research articles related to above mentions area for a possible publication in

Journal: JMCSA

Author's Schedule:

Beginning of the manuscript submission: 25th August, 2021

Deadline of Manuscript Submission: 31st January, 2022

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