

# Special Issue

## Applied Analysis of Ordinary Differential Equations 2020

### Message from the Guest Editor

One might say that ordinary differential equations (notably in Isaac Newton's analysis of the motion of celestial bodies) had a central role in the development of modern applied mathematics. This special issue is devoted to research articles which build on this spirit: combining analysis with applications of ordinary differential equations (ODEs). This Special Issue solicits articles that possess both the following features: interesting applications, and mathematical analysis driven by such applications. Novel and innovative applications of ODEs are particularly welcome, as are unconventional ways of using rigorous mathematics to obtain intuition in applications.

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### Guest Editor

Prof. Dr. Sanjeeva Balasuriya

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### Deadline for manuscript submissions

closed (31 October 2020)



## Mathematics

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## About the Journal

### Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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### Editor-in-Chief

Prof. Dr. Francisco Chiclana  
School of Computer Science and Informatics, De Montfort University,  
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#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.3 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).