

## Special Issue

# Differential Equations and Asymptotic Analysis: Recent Advances and Applications

### Message from the Guest Editor

Many real-world problems in science and engineering, including physical, biological, social phenomena, etc., can be mathematically formulated and rigorously solved by modeling them in terms of linear and nonlinear differential and partial differential equations. The aim of this Special Issue titled “Differential Equations and Asymptotic Analysis: Recent Advances and Applications” is to provide a forum for researchers working in this field to submit and publish their related recent works, both of a theoretical and an applied nature. A major emphasis is placed on the investigation of the asymptotic behavior of solutions and the existence of periodic solutions to these equations or systems of equations, as well as the approximation of the solutions. This is of course rather broad, and includes major parts of linear and nonlinear differential and partial differential equations, difference equations, ergodic theory, the calculus of variations, convex and nonconvex optimization, and much more.

### Guest Editor

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### Deadline for manuscript submissions

closed (31 December 2023)



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### Message from the Editor-in-Chief

*Axioms* is dedicated to the foundations (structure and axiomatic basis, in particular) of mathematical theories, not only from a crisp or strictly classical sense, but also from a fuzzy and generalized sense. This includes the more innovative current scientific trends, devoted to discover and solve new challenging problems. The prime goal of *Axioms* is to publish first-class, original research articles under an open access policy with minimal fees for the authors. We would be pleased to welcome you as one of our authors.

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