

# Special Issue

## Applications of Mathematical Models in Engineering

### Message from the Guest Editors

Modern developments in theoretical and applied science have widely depended on knowledge of the derivatives and integrals of the fractional order appearing in engineering practices. Therefore, one goal of this Special Issue is to focus on recent achievements and future challenges on the theory and applications of fractional calculus in engineering sciences. We invite authors to contribute original research articles addressing significant issues and contributing towards the development of new concepts, methodologies, applications, trends, and knowledge in mathematics. Review articles describing the current state-of-the-art are also welcome. Potential topics include but are not limited to the following:

- Fractional mathematical models;
- Computational methods for the fractional PDEs in engineering;
- New mathematical approaches, innovations, and challenges in biotechnologies and biomedicine;
- Applied mathematics;
- Engineering research based on advanced mathematical tools.

### Guest Editors

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### Deadline for manuscript submissions

closed (28 February 2021)



## 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

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indexed within Scopus, SCIE (Web of Science), RePEc, and other databases.

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