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# **Applied Mathematical Modeling and Intelligent Algorithms**

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Deadline for manuscript submissions: closed (30 November 2024)

### Message from the Guest Editors

Dear Colleagues,

The resolution of numerous contemporary engineering issues necessitates the application of mathematical modeling techniques and intelligent algorithms, such as in the field of mechanical engineering, civil engineering, aerospace, biological engineering, and so on. This Special Issue focuses on the application of mathematical modeling and intelligent algorithms. The scope of this Special Issue includes, but is not limited to, the following topics:

- 1. Theoretical modeling;
- 2. Free and forced vibrations;
- 3. Computational fluid dynamics;
- 4. Nonlinear analysis;
- 5. Functionally graded material;
- 6. Deep learning;
- 7. Optimization;
- 8. Structural design;
- 9. Biomechanics;
- 10. Fault diagnosis.

All colleagues are welcome to contribute high-quality papers.

**Special**sue



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## Message from the Editor-in-Chief

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