

## Special Issue

# Advances in Nonlinear Dynamics and Mechanical Vibrations

### Message from the Guest Editors

There are a wide range of nonlinear phenomena in various engineering fields, such as mechanical engineering, civil engineering, aerospace and so on. This Special Issue focuses on the nonlinear dynamics and mechanical vibrations. The specific research contents include, but are not limited to:

- Theoretical modeling;
- Free and forced vibrations;
- Computational fluid dynamics;
- Nonlinear analysis;
- Functionally graded material;
- Deep learning;
- Optimization;
- Structural design.

All colleagues are welcomed to contribute high-quality papers.

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### Guest Editors

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### Deadline for manuscript submissions

closed (20 August 2023)



## Applied Sciences

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## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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