# **Special Issue**

## Mathematical Modeling and Simulation of Oscillatory Phenomena, 2nd Edition

## Message from the Guest Editors

Oscillations remain a ubiguitous feature across diverse disciplines, including physiology, ecosystem dynamics, biochemistry, mechanics, and population dynamics. The prevalence of oscillations underscores the need for a robust theoretical framework, which continues to evolve under the banner of oscillation theory. This Special Issue is dedicated to the modeling and simulation of nonlinear dynamical systems, where oscillation serves as a fundamental behavior. We invite contributions from researchers who are engaged in oscillation theory or those applying existing tools and methods to investigating oscillatory phenomena within real-world dynamical systems. Of particular interest are studies addressing time-delay systems, where the delay is recognized as a significant contributor to the oscillations in dynamical systems. We eagerly anticipate submissions furthering our understanding of oscillatory properties and their relationship with various physical processes. Join us in exploring the intricate dynamics of oscillatory systems and their applications across diverse scientific disciplines. We eagerly await your contributions.

## **Guest Editors**

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## Deadline for manuscript submissions

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## Editor-in-Chief

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