

## Special Issue

# Bioinspired Locomotion: Multidisciplinary Approaches and Data-Driven Insights

### Message from the Guest Editors

This Special Issue explores the multidisciplinary study of locomotion inspired by animals, focusing on aquatic, intrabody, and field scenarios where conventional propulsion is not possible. In this Special Issue, original research articles and reviews are welcome.

Contributions are invited on topics including, but not limited to, the following:

- Development of bioinspired mobile robots with enhanced adaptability and efficiency.
- Application of machine learning and data-driven techniques for locomotion modeling.
- Characterization of animal locomotion in aquatic and unstructured environments.
- Studies on environment–body (e.g., fluid–structure) interactions and their implications for design.
- Navigating complex environments, such as inside the human body or rugged terrains.
- Studying natural locomotion to understand how evolution has optimized movement for specific environments.
- Characterizing suboptimal locomotion in constrained animals, humans, and robots.

Looking forward to receiving your contributions.

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### Guest Editors

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### Deadline for manuscript submissions

30 September 2025



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# About the Journal

## Message from the Editor-in-Chief

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### Editor-in-Chief

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