

## Special Issue

# Application of Machine Vision in Biomechanical Engineering

### Message from the Guest Editor

We would like to invite you to contribute to this Special Issue, which aims to disseminate innovative research that demonstrates the transformative role of visual intelligence in solving complex biomechanical challenges. We seek to foster a multidisciplinary dialogue that bridges computer science, mechanical engineering, and life sciences. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Human movement analysis and gait lab automation;
- Medical image analysis for tissue mechanics;
- Surgical robotics and assistance;
- Biomechanics of cells and biomaterials.

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### Guest Editor

Prof. Dr. Ying Yi

School of Mechanical Engineering and Electronic Information, China University of Geosciences, Wuhan, China

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### Deadline for manuscript submissions

20 November 2026



## Applied Sciences

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CiteScore 5.5



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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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