

Special Issue

Wearable Biomechanics in Sport and Rehabilitation

Message from the Guest Editor

This Special Issue aims to present cutting-edge research that explores the use of wearable technology to enhance performance, prevent injury, and support recovery in both athletes and clinical populations. We welcome original research, reviews, case studies, and methodological papers that focus on the following:

- Biomechanical analysis using wearable systems;
- Validation and reliability of wearable sensor technologies;
- Applications in sports performance monitoring and feedback;
- Wearable-assisted rehabilitation and telerehabilitation;
- Integration of AI and machine learning with wearable data;
- Ethical and practical considerations in real-world deployment;
- Comparative studies between wearable-based and traditional biomechanical assessments.

We encourage submissions from multidisciplinary teams working at the intersection of biomechanics, sports science, clinical rehabilitation, data science, and engineering. By highlighting current advances and practical implementations, this Special Issue aims to foster a deeper understanding of how wearable biomechanics can drive innovation in sport and health.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

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Author Benefits

High Visibility:

indexed within ESCI (Web of Science), Scopus, PubMed,
PMC, FSTA, and other databases.

Journal Rank:

JCR - Q2 (Sport Sciences) / CiteScore - Q2 (Physical
Therapy, Sports Therapy and Rehabilitation)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is
provided to authors approximately 22.5 days after
submission; acceptance to publication is undertaken in 2.4
days (median values for papers published in this journal in
the second half of 2025).