



## Smartphone- or Tablet-Based Technologies for Balance and Gait Rehabilitation

Guest Editor:

**Dr. Beom-Chan Lee**

Department of Health and  
Human Performance, University  
of Houston, 3875 Holman St. Rm  
104 Garrison, Houston, TX, USA

Deadline for manuscript  
submissions:

**30 June 2024**

### Message from the Guest Editor

Dear Colleagues,

This Special Issue focus on original research papers and comprehensive reviews dealing with cutting-edge technological developments and assessments in smartphone- or tablet-based technologies for balance and gait rehabilitation. Topics of interest for this Special Issue include, but are not limited to, the following: **1.** Innovative or advanced smartphone- or tablet-based technologies for balance and gait rehabilitation; **2.** Novel methodologies to reinforce adherence to balance and gait rehabilitation regimens via gamification (i.e., exergame); **3.** Innovative or advancing tools to improve the diagnosis of balance and gait impairments; **4.** Investigation of wearable sensors to improve smartphone- or tablet-based balance and gait rehabilitation technologies; **5.** Investigations of smartphone- or tablet-based technologies for telerehabilitation or telemonitoring; **6.** Assessments of sensory biofeedback for smartphone- or tablet-based balance and gait rehabilitation technologies; **7.** Effects of smartphone- or tablet-based balance and gait rehabilitation for different populations (e.g., older adults, individuals with movement impairments, neurological disorders, etc.).





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Anthony Guiseppi-Elie**

Department of Biomedical  
Engineering, Texas A&M  
University, College Station, TX  
77843, USA

## Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Bioengineering* (ISSN 2306-5354). *Bioengineering* is published in open access format – research articles, reviews and other contents are released on the Internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. *Bioengineering* provides an advanced forum for the science and technology of bioengineering. We would be pleased to welcome you as one of our authors.

## Author Benefits

**Open Access:** free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

**High Visibility:** indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [PMC](#), [CAPlus / SciFinder](#), [Inspec](#), and [other databases](#).

**Journal Rank:** JCR - Q2 (*Engineering, Biomedical*)

## Contact Us

*Bioengineering* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/bioengineering](http://mdpi.com/journal/bioengineering)  
[bioengineering@mdpi.com](mailto:bioengineering@mdpi.com)  
[X@Bioeng\\_MDPI](https://twitter.com/Bioeng_MDPI)