

## Special Issue

# Advances in Digital Health and Bioengineering: From Smart Sensors to AI-Driven Solutions

### Message from the Guest Editors

We are pleased to invite you to contribute to this Special Issue, titled “Advances in Digital Health and Bioengineering: From Smart Sensors to AI-Driven Solutions”. It aims to gather original research and reviews that highlight the latest scientific and technological progress, as well as real-world applications, in digital health and biomedical engineering.

- Smart sensors, wearables, and IoT solutions for healthcare;
- AI, machine learning, and big data in medical applications;
- Biomedical signal and image processing for diagnostics and monitoring;
- Human-machine interfaces in healthcare and VR/AR technologies’
- Medical and rehabilitation robotics for diagnostics, therapy, and assistive care.

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### Guest Editors

Dr. Gladiola Petroiu

Dr. Cristian Rotariu

Prof. Dr. Hariton-Nicolae Costin

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### Deadline for manuscript submissions

20 April 2026



## Applied Sciences

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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  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
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