Special Issue

Al-Driven Innovations in Rehabilitation: Integrating Neurological, Musculoskeletal, Sports Medicine and Occupational Therapy Interventions

Message from the Guest Editors

This Special Issue will highlight cutting-edge advancements at the intersection of artificial intelligence, machine learning, and multidisciplinary rehabilitation approaches. We welcome contributions that address the development and application of intelligent systems to support recovery and functional improvement in individuals affected by neurological disorders, musculoskeletal conditions, and sports-related injuries. This Special Issue seeks to bring together researchers, clinicians, engineers, occupational therapists, and data scientists to present innovative approaches that reshape how we understand and deliver rehabilitation across settings and disciplines.

Guest Editors

Dr. Christos Kokkotis

Department of Physical Education and Sport Science, Democritus University of Thrace, Komotini, 69100, Greece

Dr. Paraskevi Malliou

Department of Physical Education and Sport Science, School of Physical Education, Sport Science and Occupational Therapy, Democritus University of Thrace, 69100 Komotini, Greece

Deadline for manuscript submissions

closed (30 November 2025)



Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5 CiteScore 5.5



mdpi.com/si/239181

Applied Sciences Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 applsci@mdpi.com

mdpi.com/journal/applsci





Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5 CiteScore 5.5



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.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

