

Special Issue

Biomechanical and Biomedical Factors of Knee Osteoarthritis

Message from the Guest Editor

Knee osteoarthritis is a chronic degenerative condition that causes pain, impairs walking and incurs substantial financial costs, both for individuals and healthcare systems. It is, therefore, important to either prevent or slow the progression of knee osteoarthritis and establish effective interventions to alleviate the condition. Biomechanical analysis has been utilised to investigate knee joint function and the scope of the current Special Issue is, 'Biomechanical Understanding of Knee Joint Osteoarthritis'; including fundamental experimental investigations of knee osteoarthritis and the application of biomechanics research to prevention, diagnosis and treatment. Manuscripts submitted for publication should be based on biomechanical experiments and the following research problems will be prioritised: (1) biomechanical characteristics of knee osteoarthritis and (2) evaluation of intervention strategies (i.e. surgery, physiotherapy, medication and assistive devices).

Guest Editor

Dr. Hanatsu Nagano

Institute for Health and Sport (IHES), Victoria University, Melbourne, VIC 3011, Australia

Deadline for manuscript submissions

closed (25 May 2022)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/48177

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

mdpi.com/journal/

appls





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



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, Embase, CAPIus / SciFinder, and other databases.

Journal Rank:

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