



Novel Insights into Biomechanics: Bone, Soft Tissue and Oral Cavity

Guest Editors:

Prof. Dr. Zhan Liu

Key Lab for Biomechanical
Engineering of Sichuan Province,
Sichuan University, 610065
Chengdu, China

Dr. Jie Yao

School of Biological Science and
Medical Engineering, Beihang
University, Beijing 100191, China

Dr. Qiang Chen

School of Biological Science &
Medical Engineering, Southeast
University, Nanjing 210096, China

Deadline for manuscript
submissions:

closed (20 August 2023)

Message from the Guest Editors

Biomechanics plays an essential role in our daily activities, from subtle muscle contractions to substantial body movements. There are many advanced biomechanical insights proposed by biologists and engineers to solve medical problems. Besides, many mechanical issues also need to be considered from a clinical perspective, including fatigue problems of artificial organs, hemodynamics, orthodontics, and so on. The musculoskeletal system of the human body has received massive attention. Moreover, as oral health has become more and more important, new biomechanical techniques have become more than necessary in clinical practice. Oral treatments concerning implants, restorations, and orthodontics also directly require biomechanical analysis to reach better outcomes. When mechanics are combined with biology, novel insights are crucial to bring more possibilities and development.

Thus, it is hoped that this Special Issue in Applied Sciences will provide the new understanding of hard and soft tissue biomechanics, and oral biomechanics. The mechanical experiments, motion analysis, or finite element analysis are all encouraged in the submission of the current Special Issue.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo

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

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.

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)

Contact Us

Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applscli@mdpi.com
[X@Applscli](https://twitter.com/applscli)