

Special Issue

Biomechanics and Tribology

Message from the Guest Editors

According to Hatze (1973), “Biomechanics is the study of the structure and functions of the biological systems by means of the methods of mechanics”. On the other hand, tribology investigates the interactions between articulating surfaces and mainly deals with friction, lubrication, and wear. The combination of biomechanics and tribology constitutes a wide research field that covers synovial joint lubrication to tooth wear, from implant design to material tests. In this variety, methodological approaches can be very different, and can take the form of *vitro* and *in vivo* experimental studies, finite element and musculoskeletal computational models, and AI approaches. We would like to invite researchers to contribute to this Special Issue and share their achievements in this exciting and growing field.

Guest Editors

Dr. Francesca Di Puccio

Dr. Alessandro Ruggiero

Dr. Lorenza Mattei

Deadline for manuscript submissions

closed (31 October 2024)



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

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About the Journal

Message from the Editor-in-Chief

Friction, wear, and lubrication are tribological phenomena that govern the behavior of interacting surfaces in a wide range of machine components. Understanding the physical and chemical nature of these phenomena is critical to achieving long component lifetime and economical operation. Research in the field of tribology is highly interdisciplinary, and encompasses the fields of physics, chemistry, engineering, and mathematical modeling. *Lubricants* invites contributions on new advances in all areas of tribology for publication as peer-reviewed research articles, reviews of current research, letters, and communications. We are committed to providing timely reviews of all articles submitted. Please consider sharing your work with the scientific community through publication in *Lubricants*.

Editor-in-Chief

Prof. Dr. Homer Rahnejat
School of Engineering, University of Central Lancashire, Preston PR1
2HE, UK

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