# **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 Al 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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## 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 Lancahire, Preston PR1 2HE, UK

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