Special Issue

Biotribology in Human Body

Message from the Guest Editor

It is well known that “Biotribology" is an emerging research sector and covers all aspects of tribology concerned with biological systems. In last few years, scientific attention has been focused on several main topics, like joint tribology, dental tribology, as well as skin tribology, medical devices tribology, etc. This Special Issue aims the latest advances in bio-tribological challenges in the human body with particular attention on the mathematical and numerical modeling necessary for in-silico tribological investigations. Contributions are welcome from both academic researchers and their industrial peers, dealing with the latest developments on this topic. Principal topics include, but are not limited to:

- Lubrication models of natural and artificial human synovial joints
- Dynamic modeling of human motion
- Surface metrology, contact mechanics, friction, lubrication and wear of artificial joints
- Tribological behavior of biomaterials
- Biological implants
- Dental tribology
- Ocular tribology
- Mouth feel and taste perception in oral environment

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Guest Editor

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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.*

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