



Tribology of Textured Surfaces

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Deadline for manuscript submissions:

closed (25 March 2025)

Message from the Guest Editors

We are delighted to extend an invitation for submissions to a Special Issue on the subject of "Tribology of Textured Surfaces". Our aim with this issue is to compile a comprehensive collection of the most recent, cutting-edge developments and innovations in the field of textured surface tribology.

We are seeking both review articles and original research that provide theoretical explorations, ground-breaking experimental research, and inventive computational approaches. These contributions will help deepen our understanding of the mechanisms at play on multiple scales. We also encourage novel applications that push the existing boundaries of this field. The scope of this issue includes topics such as friction, wear, lubrication, and contact mechanics in the context of macro-, micro-, and nano-textured surfaces, as well as surface engineering techniques and the design and fabrication of these engineered surfaces.

- textured surfaces
- friction
- wear
- lubrication
- contact mechanics
- surface engineering
- microfabrication
- nanofabrication
- surface design





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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*.

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