# Special Issue

# Hydrodynamic Lubrication of Textured Surfaces

**Message from the Guest Editor**

In the last twenty years, in hydrodynamic lubrication fields, textured surfaces have made great contributions to the improvement of bearing capacity with the reduction in friction noise and wear. However, the theory and design system based on the mechanism optimization application of textured surfaces still have not been established to integrate with the system design of equipment.

In view of the importance of textured surfaces to the field of hydrodynamic lubrication and surface engineering, combined with the research history of textured surfaces, this Special Issue aims to collect the contributions of scientists in the field of performance improvement mechanisms, optimization design and application of lubrication textured surfaces, in which the areas of turbulent hydrodynamic lubrication, fluid–structure interaction, cavitation and soft elastohydrodynamic lubrication are considered. Contributions are welcome from all scientists working in tribology, hydrodynamic lubrication, texture optimization design and related areas.

**Guest Editor**

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**Deadline for manuscript submissions**

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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

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