



## Rheological Characteristics of Lubricants and Soft Tribo-Materials

Guest Editors:

**Dr. Leonardo Farfan Cabrera**

**Prof. Dr. José Pérez-González**

**Prof. Dr. Michel Fillon**

**Prof. Dr. Yanshuang Wang**

Deadline for manuscript  
submissions:

**closed (10 May 2024)**

### Message from the Guest Editors

The objective of this *Lubricants* special topic is to collect and present a series of state-of-the-art and cutting-edge developments, innovations and discoveries on the rheological/viscoelastic behavior of lubricants and/or soft tribo-materials with an impact on the overall tribological performance, reliability and sustainability of tribo-systems. Contributions reporting on theoretical, numerical and/or experimental approaches in the form of original research, case studies, reviews, methods or research reports are very welcome. The article collection encompasses, but is not limited to, the following research themes or areas with special impact on the behavior of tribo-systems:

- Rheology of lubricants.
- Rheology of bio/nano lubricants.
- Rheology of soft tribo-materials: elastomers, polymers, skin, etc.
- Lubrication of soft materials.
- Viscoelastic lubrication.
- Influence of temperature and pressure on rheology of lubricants.
- Sliding interfaces of viscoelastic materials: dry or lubricated contacts.
- Slip of lubricants at solid boundaries.

