



## Advanced Polymeric and Colloidal Lubricants

Guest Editors:

**Dr. Vahid Adibnia**

Department of Applied Oral  
Sciences, School of Biomedical  
Engineering, Dalhousie  
University, Halifax, NS B3H 4R2,  
Canada

**Dr. Tianyi Han**

State Key Laboratory of Tribology  
in Advanced Equipment,  
Tsinghua University, Beijing  
100084, China

Deadline for manuscript  
submissions:

**closed (30 April 2024)**

### Message from the Guest Editors

Dear Colleagues,

Over the past two decades, our understanding of complex intermolecular interactions responsible for friction and wear reduction in mechanical and biomechanical systems has improved significantly. As a result, there has been a burst of novel materials and technologies designed and evaluated to improve efficiency and sustainability of these systems.

Our objective in this Special Issue of *Lubricants* is to provide a platform for you to publish your most recent advances in designing and understanding state-of-the-art polymeric, colloidal and electrolyte-based friction-mediating materials and technologies. We welcome contributions on experimental, theoretical and computer simulation aspects of controlling friction and wear in such materials. We hope that this Special Issue will form a collection of multifaceted articles showcasing the advances in the field of lubricating soft materials. We look forward to reading your notable contributions to this field.

Dr. Vahid Adibnia

Dr. Tianyi Han

*Guest Editors*

