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Assessment of Abrasive Wear

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Deadline for manuscript submissions:
closed (30 November 2022)

Message from the Guest Editors

In the tribological system, the two most important factors that cause wear are abrasion and adhesion. Abrasive wear can be considered as the deformation, damage or loss of material when hard particles or protrusions penetrate or slide against their counterparts during movement under dry or lubricated conditions. The Special Issue is focused on the assessment of abrasive wear in different manufacturing conditions, for example, during cutting, abrasive maching or forming, or on wear parts in mechanical systems. This Special Issue also relates to surface technologies to improve the wear performance of essential parts such as tools or wear parts. In addition, manuscripts regarding assessment methodology and new measurement equipment are welcome. We hope that this Special Issue provides an opportunity to gather new ideas and achievements in the field of abrasive wear assessment.

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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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Journal Rank: JCR - Q2 (Engineering, Mechanical) / CiteScore - Q2 (Mechanical Engineering)

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