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Coatings Tribology

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Message from the Guest Editors

Dear Colleagues,

As you know, tribological coatings are increasingly used to control (mostly to minimize) friction, wear, and surface damage to moving machine components in various applications. The use of coatings, in addition to improving efficiency and durability of tribological systems, also enables to conserve strategic materials and minimize or eliminate the use of hazardous materials. This Special Issue focuses on the tribological coatings. The topics of interest for this this Special Issue, in particular, include (but are not restricted to):

- Novel (lubricious) coatings to control and minimize friction
- Coatings for wear control in general
- Tribological coatings for extreme operating conditions, e.g., for high/low temperatures, aggressive environments, etc.
- Friction and wear phenomena in tribological coatings
- Characterization of nano, micro, and macro friction and wear characterization of coatings under various operating conditions
- Any other aspects of tribological coatings

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Message from the Editorial Board

Now more than ever, research is called for to produce technologies and improve knowledge to solve the major challenges faced by our society. The development of new materials and devices for (without the ambition to be exhaustive) energy, health and food technology, together with the need for establishing processes that reduce the impact on critical resources and the environment, is indeed at the center of most contemporary research. Surface science and engineering play a key role in this regard. Refining surfaces and their modifications provides new materials, architectures and processes with a huge potential to aid most societal challenges. *Coatings* is a well-established, peer-reviewed, online journal that focuses on the dissemination of publications in the field of surface science and engineering. *Coatings* publishes original research articles that report cutting-edge results and review papers on the hottest topics.

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