

Special Issue

Coatings Tribology

Message from the Guest Editors

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

Guest Editors

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About the Journal

Message from the Editorial Board

Now more than ever, research is asked to deliver knowledge and technologies 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 in the spotlight of most contemporary research. Surface science and engineering play a key role in this regard, with an incredible potential in delivering new and deep scientific understanding and technical solutions essential to solve most of the major societal challenges.

Coatings is a well-established, peerreviewed, online journal dedicated to the vibrant field of surface science and engineering. Coatings publishes original research articles that report cutting-edge results and review papers that make the point on the hottest research topics.

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