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# Wear-Resistance and Corrosion-Resistance Coatings

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Deadline for manuscript submissions:
**closed (20 July 2025)**

## Message from the Guest Editors

Among the latest research achievements in multifunctional coatings is the study of wear resistance, and friction reduction coatings are one of the most valuable coatings research directions in the field of materials science and engineering. Current applications range from cutting tools, machining technology, automotive, and aerospace. In harsh environmental conditions, the theory, experiment, and application of wear and friction reduction are in great demand.

We would like to invite you to submit your new research results to this Special Issue entitled *Wear Resistance and Friction Coatings*. The properties of the surface are determined by the material used to prepare the coating and the method and technique used to treat it, so coating technology can be considered an advanced surface treatment. The topics of interest for this Special Issue are advanced surface treatment technologies and green coating materials. We hope that our research will evaluate not only the effects of surface coating technology on the physical and mechanical properties of coatings but also the effects of friction mechanisms and environmental friendliness.

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## 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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