

Special Issue

Wear, Friction and Corrosion of New Alloys (Bulk and Coatings)

Message from the Guest Editor

The development of new materials with enhanced wear and corrosion resistance is a continuous effort by different research groups and companies around the world which has an enormous impact on all segments of our society: mining, automotive, aerospace, agricultural, health, and so forth. . It is for this reason that we are launching this Special Issue on “Wear, Friction, and Corrosion of New Alloys” which focuses on the design, evaluation, and characterization of new alloys subjected to wear and/or corrosion conditions either as bulk or as a coating. Manuscripts on the following topics are encouraged to be submitted in this Special Issue:

- Novel wear and corrosion resistance alloys produced by different processes, including but not limited to thermal spray, laser cladding, additive manufacturing processes, and so forth;
- Experimental research and/or theoretical studies in novel materials with outstanding corrosion and/or wear resistance under a variety of testing conditions;
- Case studies showing new alloys or technology to overcome field problems related to wear and corrosion.

Guest Editor

Dr. Oscar Zambrano

Mining Wear and Corrosion Laboratory, National Research Council
Canada, 4250 Wesbrook Mall, Vancouver, BC V6T 1W5, Canada

Deadline for manuscript submissions

closed (20 July 2023)



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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
coatings@mdpi.com

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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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Prof. Dr. Wei Pan

State Key Laboratory of New Ceramics and Fine Processing, School of Materials Science & Engineering, Tsinghua University, Beijing 100084, China

Dr. Emerson Coy

NanoBioMedical Centre, Adam Mickiewicz University in Poznań, ul. Wszechnicy Piastowskiej 3, 61-614 Poznań, Poland

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