



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

Guest Editor:

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Deadline for manuscript  
submissions:

**closed (20 July 2023)**

### **Message from the Guest Editor**

Dear Colleagues,

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.



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Dr. Oscar Zambrano

*Guest Editor*

# Special Issue



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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.

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