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Strong, Ductile and Corrosion-Resistant High-Entropy Alloys

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Message from the Guest Editors

Dear Colleagues,

This Special Issue plans to give an overview of the most recent advances in the mechanical properties and corrosion resistance of HEAs. This Special Issue aims to provide selected contributions on advances in the fabrication, characterization, and exploration in the strengthening, toughening, and corrosion-resistance mechanisms of HEAs. Potential topics include, but are not limited to the fabrication of bulk HEAs or high-entropy coatings; mechanical properties; strengthening mechanisms; corrosion resistance; passive films; and future perspectives for HEAs for applications in harsh environments.

Deadline for manuscript submissions:
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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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