

Special Issue

Corrosion Behavior of Stainless Steels and Single Crystal Superalloys

Message from the Guest Editors

Since the appearance of stainless steels during the 1910s and 1920s, the number of applications for these alloys has grown enormously. Today, stainless steels and single crystal superalloys are gaining favor with designers in a plethora of industries, where they are required to meet high mechanical performance and appropriate corrosion resistance. The resistance to corrosion is paramount, as the costs of maintenance and the risk of accidents increase with the uses of alloys in increasingly more demanding environments. This Special Issue is focused on the use of stainless steels and superalloys in highly demanding environments as well as novel corrosion protection measures to prevent or delay the corrosion process. Topics of interest include corrosion behavior in demanding environments, environmental assisted cracking of alloys, surface modifications, and use of coatings or novel inhibitors. For further reading, please visit the [Special Issue website](#).

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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