

Special Issue

Corrosion and Protection of Metal Alloys in Extreme Environments

Message from the Guest Editor

This Special Issue, "Corrosion and Protection of Metal Alloys in Extreme Environments", focuses on corrosion phenomena and the protective measures of metal alloys in high-temperature, high-pressure, acidic, and extreme alkaline environments. We aim to investigate the corrosion mechanisms of metal alloys in extreme conditions and discover effective protective methods to extend their service life in these environments. Through the in-depth analysis of the causes and processes of metal alloy corrosion, as well as various protective technologies, such as surface coatings, corrosion-resistant coatings, and electrochemical protection, this research aims to provide more reliable material selection and protection strategies for relevant industrial applications.

Guest Editor

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