



Corrosion and Corrosion Protection Strategies in the Marine Environment

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Message from the Guest Editors

Saltwater covers more than 70% of the Earth's surface (approximately 1,335,000,000 cubic kilometers) and is generally considered the most corrosive of all natural environments. Therefore, marine environments pose a major challenge to metallic materials due to a variety of factors such as high salinity, water velocity, temperature, and biological activity. In addition, human and industrial activities lead to climate change and pollution of seawater, which further increases the aggressiveness of the marine environment. Corrosion is a major cause of deterioration in marine and offshore structures which results in structural failure, leakage, product loss, environmental pollution, and even the loss of human life. Therefore, this Special Issue is focused on gathering a list of scientific papers on the topic of corrosion in the marine environment, the influence of climate change and pollution on marine corrosion, development and characterization of advanced high-resistance materials, and the application of different methods for corrosion protection in harsh marine corrosion environments.

