# **Special Issue**

## Corrosion and Protection of Metals

## Message from the Guest Editor

One of the biggest issues in corrosion engineering is to estimate the service lifetime. This becomes very difficult, as there is no direct correlation with service lifetime and experimental lab results, usually as result of accelerated testing and real corrosion processes. This issue is of particular concern for society, since existing structures and infrastructure are getting old, and now crucial decisions must be made to replace them. On the other hand, environmental protocols seek to reduce greenhouse effects. Therefore, low emission policies, in force, establish regulations for the next generation of materials and technologies. Advanced technologies and emergent materials will enable us to get through the next century. Great advances are currently in progress to develop corrosion resistances metal materials for different sectors such as energy. transport, construction, and health.

This Special Issue on Corrosion and Protection of Metals is focused on current trends in corrosion science, engineering, and technology, thus covering subjects related to corrosion mechanism & modelling, protection and inhibition processes, and mitigation strategies.

## **Guest Editor**

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## Deadline for manuscript submissions

closed (31 December 2019)



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## **About the Journal**

## Message from the Editor-in-Chief

Metallic materials play a vital role in the economic life of modern societies; contributions are sought on fresh developments that enhance our understanding of the fundamental aspects related to the relationships between processing, properties and microstructure – disciplines in the metallurgical field ranging from processing, mechanical behavior, phase transitions and microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

#### Editor-in-Chief

### Prof. Dr. Yong Zhang

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 18 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).

