# Special Issue

## Marine Metal Corrosion and Protective Materials

## Message from the Guest Editors

Marine engineering equipment is a "heavy weapon" in the process of cognizing, exploiting, utilizing, and protecting the ocean, as well as the "backbone" supporting various ocean-related endeavors such as ocean scientific research, resource development, and safety assurance. However, seawater is a good conductor of electricity, high in salt and oxygen, which leads to a very high corrosion rate of metal-based marine engineering equipment and facilities. High-performance protective materials are key to ensuring the manufacturing, development, and long-term high-reliability operation of high-end marine engineering equipment.

This special Issue aims to provide an overview of the latest innovations related to metal corrosion and protective materials in the marine environment. This Special Issue focuses on experimental, numerical, and analytical studies on the metal corrosion mechanism, advanced corrosion resistance materials, and their applications.

### **Guest Editors**

Dr. Wenjie Zhao

Key Laboratory of Advanced Marine Materials, Ningbo Institute of Materials Technology and Engineering, Chinese Academy of Sciences, Ningbo 315201, China

Prof. Dr. Xiaoqiang Fan

Key Laboratory of Advanced Technologies of Materials (Ministry of Education), School of Materials Science and Engineering, Southwest Jiaotong University, Chengdu 610031, China

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Materials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

mdpi.com/journal/ materials





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## Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. Materials provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

#### Editor-in-Chief

Prof. Dr. Maryam Tabrizian

 Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
 Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

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