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Investigation on Structure and Corrosion Resistance of Steels/Alloys

Guest Editors:

Prof. Dr. Hongwei Liu
School of Chemical Engineering and Technology, Sun Yat-Sen University, Guangzhou 510275, China

Prof. Dr. Yongqiang Wang
School of Material Science and Engineering, Anhui University of Technology, Maanshan 243002, China

Deadline for manuscript submissions:
31 July 2024

Message from the Guest Editors

Dear Colleagues,

We are pleased to invite you to submit your research to this Special Issue, “Investigation on Structure and Corrosion Resistance of Steels/Alloys”.

Alloys/Steels have numerous engineering applications in nuclear power plants, oil, chemicals, petrochemicals, and marine industries. Mechanical and corrosion properties constitute the two most important properties when working with alloys/steels; these properties are directly affected by microstructures. Thus, research on microstructures and improving alloy/steel mechanical and corrosion properties is vital to develop advanced alloys/steels.

The submission of original research articles and reviews is welcome. Research areas may include (but are not limited to) the following:

- Localized corrosion of stainless steels;
- Corrosion mechanism of ultra-high-strength steels;
- Advanced corrosion-resistant coating of steels;
- Structures of ultra-high-strength steels;
- Mechanical properties and corrosion resistance of high-strength stainless steels.

We look forward to receiving your contributions.

Dr. Hongwei Liu

Prof. Dr. Yongqiang Wang

Guest Editors

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Editors-in-Chief

Prof. Dr. Wei Pan
State Key Laboratory of New Ceramics and Fine Processing, School of Materials Science & Engineering, Tsinghua University, Beijing 100084, China

Dr. Emerson Coy
NanoBioMedical Centre, Adam Mickiewicz University in Poznań, ul. Wszechnicy Piastowskiej 3, 61-614 Poznań, Poland

Message from the Editorial Board

Now more than ever, research is called for to produce technologies and improve knowledge to solve the major challenges faced by our society. The development of new materials and devices for (without the ambition to be exhaustive) energy, health and food technology, together with the need for establishing processes that reduce the impact on critical resources and the environment, is indeed at the center of most contemporary research. Surface science and engineering play a key role in this regard. Refining surfaces and their modifications provides new materials, architectures and processes with a huge potential to aid most societal challenges. *Coatings* is a well-established, peer-reviewed, online journal that focuses on the dissemination of publications in the field of surface science and engineering. *Coatings* publishes original research articles that report cutting-edge results and review papers on the hottest topics.

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Coatings Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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