

# Special Issue

## Surface Modification and Functionalization of High-Temperature Alloys

### Message from the Guest Editor

Surface coatings are often an effective route for enhancing materials inherit properties. In particular, when structural compartments are exposed to high-temperature environments under an ambient atmosphere, surface protection is needed for the substrate, such as Mo- and/or Nb-based alloys, Ni-based alloys, Ti-based alloys, high entropy alloys or composites, and so on. Often the alloys are exposed to a high-temperature flame for a long or short time. In this regard, studies for advanced and compatible coatings are critical for the successful development of practical applications. In order to fulfil the task, theoretical and experimental efforts are needed for achieving repetitive and reliable properties. This Special Issue of *Coatings* focuses on the aforementioned areas. Our aim is to present the recent developments in this fast-moving field around the world.

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### Guest Editor

Dr. Joon Sik Park

Department of Material Sciences and Engineering, Hanbat National University, Daejeon 34158, Republic of Korea

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### Deadline for manuscript submissions

closed (15 May 2021)



## Coatings

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*Coatings*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[coatings@mdpi.com](mailto:coatings@mdpi.com)

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## About the Journal

### Message from the Editorial Board

Now more than ever, research is asked to deliver knowledge and technologies 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 in the spotlight of most contemporary research. Surface science and engineering play a key role in this regard, with an incredible potential in delivering new and deep scientific understanding and technical solutions essential to solve most of the major societal challenges.

Coatings is a well-established, peerreviewed, online journal dedicated to the vibrant field of surface science and engineering. Coatings publishes original research articles that report cutting-edge results and review papers that make the point on the hottest research topics.

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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

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