



## New Generation Coatings for Metals

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### Message from the Guest Editors

Dear Colleagues,

This Special Issue will focus on the emerging challenges for coatings of metals. This topic is broad reaching with applications extending from deep sea environments to space applications. From a materials science perspective, new generation coatings represent a range of coating types and substrates that need to be protected.

In particular, the topic of interest includes but is not limited to

- Responsive or self-healing coatings
- Coatings for extreme environments
- Improvements to barrier properties of current technologies
- Coatings with improved functionality
- Coatings with smaller environmental footprints

Prof. Dr. Tony Hughes

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*Guest Editors*





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## 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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