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# Thin Films and Coatings for Anti-corrosion Application

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## Message from the Guest Editors

The present Special Issue focuses on the innovative advancement of insights concerning the preparation, characterization, and corrosion-protection mechanisms of thin films and their ability to solve corrosion problems in practical engineering.

Topics of interest include but are not limited to:

- Coatings including superhydrophobic surfaces, and those obtained by electroless plating, spray coating, micro-arc oxidation, anodic oxidation, magnetron sputtering, etc.
- The degradation mechanisms of coatings under friction, wear, corrosion and dynamic complex environments.
- Estimation of the life span of coatings through reasonable test methods.
- Developing multi-functional and self-healing coatings suitable for complex and changeable environment.
- Establishing the correlation among synthesis parameters, morphology, and properties of thin films.
- Innovative research concerning improved preparation methods based on existing coatings to realize cost saving, environment friendliness, performance optimization, etc.

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## 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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