

Functional Films/Coatings Processing Technologies: Deposition and Process

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Message from the Guest Editor

The aim of this Special Issue is to publish high-quality research papers and review papers that address current and future advancements in the preparation and characterization of functional films/coatings for applications in diverse fields of engineering applications (e.g., aerospace, electronics, ships, and building), optoelectronic and photonic applications, supercapacitor potential applications, and other industries. Original research and reviews that have not yet been published or that are not currently under review by other journals are invited to be submitted.

In particular, the topics of interest include but are not limited to:

- Novel processing technologies;
- Films/coatings for obtaining special functions;
- Coatings for extreme environmental conditions (e.g., for high/low temperatures or aggressive environments);
- Structure-property relationships;
- Advances in synthesis and preparation;
- Novel strategies of self-healing corrosion protection systems;
- Corrosion protection mechanisms through passive films/coatings.
- Any other aspects of functional films/coatings.



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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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