

## Special Issue

# Resin-Related Coatings and Thin Films: Synthesis, Characterization and Applications

### Message from the Guest Editors

Resin-based coatings and thin films are vital across industries, from protective layers to advanced electronics and biomedical devices. Advances in resin chemistry, curing, and formulation have led to high-performance coatings with tailored properties and multifunctionality. Growing demand for sustainable, eco-friendly materials drives research into renewable sources, green synthesis, and low-VOC systems to meet environmental and performance standards. This Special Issue invites original research and reviews on synthesis, processing, characterization, and applications of resin-based coatings and films. Contributions on structure–property relationships, novel formulations, hybrid/nanocomposites, and advanced curing or deposition methods are encouraged. Studies integrating resins with functional fillers or bio-based components to enhance optical, electrical, mechanical, or barrier properties are welcome.

### Guest Editors

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### Deadline for manuscript submissions

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## Coatings

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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

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