

# Special Issue

## Preparation and Characterization of Superhydrophobic Coatings

### Message from the Guest Editors

Due to the emerging importance of superhydrophobic coatings, we invite submissions of articles for this Special Issue on the topic. Articles may be submitted on the following:

- Suggested application areas: Solar cells, Overhead lines and Wind turbines.
- New coating formulations or re-purposing of existing formulations for new applications/harsher environmental conditions.
- Durability of coatings in conditions including thermal ageing, thermal cycling, outdoor weather conditions, humidity cycles, chemical/particulate pollution, mechanical stresses, UV/other radiation ageing, and electric fields.
- Assessment of functional performance under accelerated ageing.
- Manufacturing of coatings for large scale application and widespread adoption; opportunities to 'retro-fit'/apply coatings to existing equipment.
- Structure-property considerations particularly relating to the longevity of functional performance
- Achievement of high levels of repellence using fluorine-free coatings.
- Life-cycle and recyclability of coatings.
- Characterisation is also encouraged of other material properties.
- Insights into the measurement of repellency and adhesion of surface contamination.

### Guest Editors

Dr. Robert Lowndes

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Dr. Alan Taylor

Polymer and Composite Technologies Group, TWI Ltd, Cambridge, Cambridge, UK

### Deadline for manuscript submissions

closed (20 June 2023)



## 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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