

Special Issue

Coating—A Sustainable Future

Message from the Guest Editors

The development of green and sustainable coatings is in high demand due to their ability to provide a healthier environment for workers, safer products for customers, and compliance with new requirements and regulations. In addition, consumers' demand for environmentally friendlier, green products has grown exponentially. Today, sustainability aspects of coatings have been moving beyond the reduction of volatile organic compounds (VOCs) to energy and resource savings, the incorporation of renewable materials, greener processes, and waste minimization through the entire value chain of the coating productions. The topics of interest include but are not limited to:

- Using renewable raw materials in coating formulation;
- Novel designs of material synthesis and formulation processes that reduce health and environmental impacts;
- Life cycle environmental impact assessment and techno-economic analysis of green coatings
- Reducing the use of toxic components;
- Green coatings in biomedical, electronic, automotive, and construction applications;
- Green coatings for energy saving in the construction industry.

Guest Editors

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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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