

Special Issue

Toward Sustainability through Bio-Based Materials at the Interfaces with Living Systems

Message from the Guest Editor

This Special Issue focuses on the future of bio-based materials' applications at the interfaces with the living systems (e.g., human body, plant, soil microbiome, food). We invite research and review articles reporting new developments and improvements of bio-based materials that contribute to building a sustainable environment. New perspectives on bio-based materials are welcome to be discussed.

The scope of this Special Issue will serve as a forum for papers on the following concepts, but manuscripts on other relevant topics are also welcome:

- Development of new bio-based materials and exploration of their new applications.

- Surface modification and functionalization of bio-based materials.

- Application of bio-based materials for biomedical engineering, packaging, agri-food, environmental remediation, etc.

- Theoretical and experimental research studying physical, chemical, and mechanical properties of bio-based materials.

- Sustainability assessment of bio-based materials.

- New perspectives on bio-based materials.

Guest Editor

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Deadline for manuscript submissions

closed (10 October 2023)



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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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