



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

Guest Editor:

Dr. Seungil Kim

Department of Surgery,
University of Pittsburgh,
Pittsburgh, PA 15213, USA

Deadline for manuscript
submissions:

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Message from the Guest Editor

Dear Colleagues,

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.





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ul. Wszechnicy Piastowskiej 3, 61-
614 Poznań, Poland

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.

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Coatings Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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