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# **Bio-Based and Bio-Inspired Polymers and Composites**

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# Message from the Guest Editors

Dear Colleagues,

The current global trends in plastic waste generation, energy demand, petroleum depletion, world population growth, food supply, and the constant need to develop more sustainable and efficient industrial systems promotes uncertainties about our future. Nevertheless, significant progress in the chemistry and engineering of bio-based systems has been made over the past few decades, giving hope for the widespread implementation of more sustainable practices in the near future. This Special Issue on "Bio-Based and Bio-Inspired Polymers and Composites" encompasses the latest advancements made in the research of bio-based polymeric materials, including all aspects of polymers and composites prepared from biorenewable resources. Works using biological molecules and their derivatives as matrix and/or reinforcement are welcome. Likewise, reports on systems and architecture designs inspired from biological systems will also be considered. While the main focus of this Special Issue is the disclosure of original research, comprehensive literature review works are of interest as well







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## **Message from the Editorial Board**

Now more than ever, research is called for to produce technologies and improve knowledge 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 at the center of most contemporary research. Surface science and engineering play a key role in this regard. Refining surfaces and their modifications provides new materials, architectures and processes with a huge potential to aid most societal challenges. Coatings is a well-established, peer-reviewed, online journal that focuses on the dissemination of publications in the field of surface science and engineering. Coatings publishes original research articles that report cutting-edge results and review papers on the hottest topics.

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