



Sustainability and Circularity for Novel Bioactive and Biobased Solutions: Materials, Polymers, Coatings, and Processing

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

This Special Issue emphasizes the entire range of bio-inspired solutions toward a bio-based and a bioactive function, whereas polymer-based materials, coatings, and related topics have an improved sustainability and circularity concern when compared with the fossil-based state of the art.

The Special Issue aims to focus on novel approaches toward more sustainable development and the processing of polymer bio-based solutions to overcome the climate challenges and fossil-based materials, polymers, coatings, etc. It also aims to bring together bio-mimetic and bio-inspired strategies for bioactive function with concerns regarding sustainability and bacteria resistance.

- Bioactive polymers;
- Bioactive materials;
- Bio-based sustainable polymers;
- Antimicrobial surfaces and coatings;
- Antimicrobial bio-based solutions;
- Sustainable polymers and fibers;
- Biorefineries feedstock for bio-based polymers;
- Nature-based solutions;
- Biomimetic solutions;
- Safe-by-design bio-inspired polymers, materials, and coatings.





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Message from the Editor-in-Chief

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I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

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