



Bio-Innovate: Advancing Sustainable Futures through Cutting-Edge Materials Engineering

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Message from the Guest Editors

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following topics:

- Biosynthesis of advanced materials;
- Smart Nanomaterials for environmental monitoring and remediation;
- Biodegradable polymers and their role in sustainable material development;
- Synthetic biology approaches to enhance material properties;
- Circular bioeconomy: integrating biotechnology and materials for a sustainable future;
- Sustainable Innovation in advanced materials;
- Nanotechnology in the circular economy;
- Materials life cycle of the advanced materials;
- Sustainability in additive manufacturing of advanced materials;
- Application of biomass-derived materials;
- Crafting sustainable biomaterials from natural sources.

Keywords

- nanotechnology
- novel materials
- biomaterial development
- biosynthesis
- materials engineering
- advanced nanomaterials





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Message from the Editor-in-Chief

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