



Application of 3D Printing Biocomposites

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Message from the Guest Editor

Biocomposites in 3D printing represent an innovative and sustainable approach to manufacturing. These materials combine natural fibers or particles with a polymer matrix to create robust, eco-friendly, and biodegradable products. Integrating 3D printing technology with biocomposites will offer a promising opportunity for sustainable and eco-friendly commercial products with a wide range of applications across various industries. It plays a pivotal role in advancing sustainable production and reducing the environmental footprint of multiple sectors. Sustained research and ongoing progress efforts are expected to develop in alongside the progress within this domain.

Potential applications:

Automotive and Aerospace Industries: Interior components

Consumer Products: Packaging

Medical Sector: Prosthetics and dental applications

Construction Applications: Building components

Challenges Facing Biocomposites

Processing: Consistent material properties

Lower durability

Recycling





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Message from the Editor-in-Chief

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