Special Issue

Sustainable Two Dimensional-Based Polymer Composites for 3D Printing: Preparation, Properties and Applications

Message from the Guest Editors

Natural polymers extracted from biomass such as proteins and polysaccharides play a significant role in the production of intelligent materials and the circular economy. However, one of the main drawbacks of these bio-based products is their mechanical properties, limiting their use in different applications, such as 3D printing. Therefore, multiple attempts have been made to make these bio-polymers more suitable for these applications by introducing different fillers to their use. In this sense, carbon-based materials have been proven to increase the final mechanical properties of the bio-product, among others. Since graphene was discovered, multiple routes to synthesize 2D materials have been developed; however, today, the way that these 2D materials interact with these bio-polymers to obtain a suitable biomaterial ink for 3D printing is under study. This Special Issue aims to cover different aspects related to the synthesis and properties of these two dimensional-based bio-polymer composites that will be used in 3D printing applications.

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Deadline for manuscript submissions

25 August 2025

Polymers

an Open Access Journal by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed

mdpi.com/si/211320

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Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.7.

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.

Editor-in-Chief

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