



materials



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Advances in 3D Printing/Additive Manufacturing Technology of Materials

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Message from the Guest Editor

Three-dimensional printing/additive manufacturing, a transformative approach to industrial production, enables the creation of complex physical objects from digital design files. Recent 3D printing/additive manufacturing technology highlights the evolution in material diversity, featuring an array of metals, polymers, and composite materials tailored for enhanced functional attributes. It also has focused on improvements in printing precision and resolution, and has been critical for sectors that demand extreme accuracy, such as biomedical applications and aerospace engineering. The technology's contributions include reducing the time and cost of production; enabling rapid and cost-effective customization that was previously unfeasible; and illuminating the path towards sustainable manufacturing through material efficiency and minimized waste. This Special Issue aims to discuss these advances in order to open up new possibilities in a variety of industries and address ongoing challenges and future perspectives.



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Special Issue



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Message from the Editor-in-Chief

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