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Research Progress in Additive Manufacturing: Materials and Technology

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Message from the Guest Editors

Dear Colleagues,

Additive manufacturing is a pacemaker technique in the field of manufacturing today. It encompasses the fabrication of a different kind of 3D object by adding both polymers and metallic material layer by layer irrespective of the shape and size (intricate objects). This technology has been the state of the art over the last 20 years, and it is now favored over the conventional manufacturing process for developing complex products with minimal cost and effort. Commonly, additive manufacturing uses modern technology such as CAD, CNC, and simulation software for fabricating different material objects. Additive manufacturing involves various steps while developing the real physical object. The development of a realistic object begins with the selection of raw material, a specific additive manufacturing process, design procedures, and layout section followed by post-processing requirements. Products developed using the additive manufacturing technique have tremendous advantages, such as low material and energy wastage, compared to traditional methods [...].





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Message from the Editor-in-Chief

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