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Advanced Processing of Matrix Composites

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Message from the Guest Editors

In the last few decades, extensive research has been conducted to develop new lightweight composites, including metal matrix composites, resin matrix composites, ceramic matrix composites, etc., for different applications. Magnesium, aluminum alloys, and carbonfiber-reinforced polymers have evolved as essential lightautomotive materials. Various operations based on specified matrix materials are used to create these lightweight composites. For example, powder and liquid metallurgy are conventional techniques for producing metal matrix composites, and hand laying methods, compression molding, and vacuum bag molding are traditional methods for developing polymer matrix composites. There are still many unanswered questions with respect to metal matrix fabrication, including the importance of the working environment for new devices, the types of matrix and reinforcing methods needed, and improvements in processing and post-processing methods

This Special Issue welcomes original research papers and review articles on novel feeding techniques for developing and processing matrix composites.













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Message from the Editor-in-Chief

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