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Recent Advances in the Enhancement of Interfacial Adhesion in Polymer Composites

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Message from the Guest Editor

The *Journal of Composites Science* is preparing a Special Issue entitled “Recent Advances in the Enhancement of Interfacial Adhesion in Polymer Composites”.

One of the main research trends associated with polymer composites focuses on searching for new methods to improve interfacial interactions between often hydrophobic polymer matrices and hydrophilic fillers, which affect their final performance properties. Compatibility and, to be more precise, lack of compatibility between matrix and fillers is one of the main problems associated with the manufacturing of polymer composites. Significant differences in chemical structure and polarity of components used usually result in weak interfacial adhesion. Therefore, it is essential to improve the compatibility between filler and polymer matrix, as strong interfacial interactions are crucial to achieving satisfactory mechanical properties of composites.