



## Advanced Polymer Blends: From Processing to Characterisation and Application

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Deadline for manuscript submissions:

**closed (5 August 2024)**



### Message from the Guest Editors

Dear Colleagues,

Polymer blends are mixtures of two or more different polymers that are combined to create a new material with unique properties, and the objective of blending polymers is to achieve a combination of properties from the constituent polymers that cannot be obtained from a single polymer alone.

This Special Issue welcomes original research articles, reviews, and perspectives on topics related to polymer blends, including but not limited to: 1. Novel processing techniques for polymer blends; 2. Characterization of polymer blends using advanced analytical techniques (e.g., spectroscopy, microscopy, rheology); 3. Compatibilization of polymer blends and their analyses; 4. Theoretical modeling and simulation of polymer blend properties; 5. Applications of polymer blends in various fields (e.g., packaging, biomedical, automotive, construction); 6. Development of polymer blends with improved properties such as mechanical, thermal, and chemical resistance; 7. Recycling and sustainability of polymer blends; 8. Role of functional particles in tuning the properties of polymer blends towards a specific application.

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*Guest Editors*



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## Editor-in-Chief

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## Message from the Editor-in-Chief

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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.

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