

Special Issue

Advanced Polymer Manufacturing Technologies and Sustainable Materials

Message from the Guest Editors

Polymer industries are currently among the sectors with the greatest prospects for growth and expansion worldwide.

In the realm of polymer transformation processes, two methods are focal points of interest. Firstly, the injection molding process, which demonstrates its prowess in the production of large-scale components and ability to adeptly meet stringent dimensional prerequisites. Conversely, additive manufacturing technologies, exemplified by material extrusion (MEX), exhibit the adaptability necessary to conform to the intricate specifications of complex geometries.

This collective pursuit of innovation contributes significantly to the realization of future SDGs. In this context, we extend a warm invitation to researchers from across the globe to enrich our Special Issue with their valuable contributions.

These topics include, but are not limited to, injection molding technologies, additive manufacturing, MEX, sustainability in polymer/ composite manufacturing technology, industrial design for polymer/ composite components, eco-design, sustainable polymer materials, mould design and tooling, conformal cooling, CAE simulation, and polymer material characterization.

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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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