



Advances in Screw Processing of Polymeric Materials - In Memory of Professor James Lindsay White

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Message from the Guest Editors

Screw processing is fundamental for the polymer processing industry and includes many techniques of extrusion and injection molding, e.g., single screw extrusion and twin screw extrusion, both co-rotating and counter-rotating, injection molding and specialized injection techniques, as well as extrusion blow molding and injection blow molding. These techniques provide the conversion from a bulk polymeric material to a product of diverse specifications, and involve the interactions of a process thermomechanical field, material characteristics, and product properties. This Special Issue is dedicated to advances in screw processing, and a novelty is crucial for this issue. Invited and submitted articles may be devoted to material compounding and product manufacturing, novel designs and technology concepts, material aspects of processing, modeling and simulation, both for the process and molding tools (e.g., extrusion dies and injection molds), optimization and scale-up, artificial intelligence applications. The goal of the issue is to present the latest achievements and the trends for future development in screw processing.





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Message from the Editor-in-Chief

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