



Rheology Applied to Polymer Characterization and Processing: A Themed Honorary Issue to Prof. Antxon Santamaria

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Message from the Guest Editors

Polymers and rheology have been feeding each other since the 1920s. In fact, scientific and technological development of polymeric materials is based on the correlation synthesis/compounding-characterization-rheology-processing-properties/applications. The double engagement of rheology in both polymer characterization and polymer processing is currently an undeniable reality. On the other hand, polymer processing in general crucially requires the contribution of rheology to advance molding simulation for design and manufacturing. Much work should be done to disclose the rheological implications of layer-by-layer lamination of solutions and melts and different additive manufacturing methods (3D Printing). The challenge of processing complex polymeric materials, such as those mentioned, can only be faced with the help of sound rheological studies.

Theoretical and experimental works within this scope are welcome in this Special Issue.





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