

Sophie Campbell

Prof. Simon

Modification of Polysaccharides for Thermoplastic Processing

Polysaccharides like cellulose and starch are natural polymers which have the potential to replace petroleum-based plastics in a variety of applications. However, there are a variety of challenges to their implementation as thermoplastics including their poor processability and poor mechanical properties. This seminar will discuss the properties of polysaccharides and the methods of modification and/or plasticization used to overcome these challenges.