

## **Synthesis and Application of Bio-Based Polyesters and Poly(ester amide)s**

Over the last decade, polymers derived from renewable resources have been in the research focus of academia and industry alike. One of the main challenges however, is the synthesis of bio-based polymers that can compete with established polymers from petrochemical resources, both in performance as well as production costs.

In this respect, our research focus is placed on bio-based polyesters and poly(ester amide)s from commercially available monomers, such as itaconic acid and succinic acid. In this talk, the synthesis and characterization of these polymers will be presented. Furthermore, their utilization in real-life applications, such as coatings, printing inks and UV-curing additive manufacturing will be discussed.