

Institut Jean-Pierre Bourgin

Séminaire

Lundi 17 décembre, à 14h00

Dr. François Jérôme

*Institut de chimie des milieux et matériaux de Poitiers
CNRS-Université de Poitiers*

Catalytic conversion of lignocellulosic biomass to specialty chemicals

With the exponential growth of the world population, chemistry has to produce always more and better from less. Lignocellulosic biomass is an important source of renewable carbon from which a myriad of chemicals can be theoretically produced. In this lecture, we will discuss the potential, but also the limitations, of lignocellulosic biomass for the production of specialty chemicals, including alkyl levulinate (solvent), alkylpolyglycosides (surfactant) and aromatics (monomer). In the different sections, we will highlight the challenges faced by the chemical industry to produce bio-based chemicals not only with improved properties but also with a higher ecological footprint than the existing ones.

Invité par Betty Cottyn

Ce séminaire aura lieu dans l'Amphithéâtre Bât. 10