

Seminar

Materials and Products from Lignin

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Date: Wednesday, 26 April 2023, 15:00-16:00

Venue: Faculty of Eng. Bldg. #4, 1F, Room 205

Abstract:

Fossil resources need to be replaced for the production of materials, chemicals, fuels and energy as soon as possible to achieve a sustainable economy. A main source for renewable material production is biomass. Especially lignocellulosic biomass is a very interesting feedstock, providing the potential to produce a wide range of value-added products including products from lignin. Lignin is the second most abundant biopolymer after cellulose and is a by-product of cellulose production in pulp and paper industry. But is mainly used for low value applications like energy production. As technical products lignin is converted to lignosulfonates which are water soluble and can be used in construction industry for the production of concrete with increased mechanical strength and final resistance. Sulfur free lignin offers the production of chemical, cosmetic and medical products with increased value.

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