



INTERNATIONAL SEMINAR ON BIOMASS AND BIOREFINERY INDUSTRY 2018

"PROSPECTS OF BIOMASS TOWARDS SUSTAINABLE SOCIETY"

Date: 3rd October 2018 (Day 2)


Venue: Faculty of Engineering and Built Environment
(Academic Block), UKM

workshop on biomass compositional analysis

The workshop will provide an overview of standards and methods used for determining the chemical composition of various lignocellulosic biomass.

The workshop will begin with an introduction to biomass, its potential and importance of Biomass Chemical Analysis towards developing biomass-based industries specifically on bioenergy and biochemical industries. The workshop will further explore on theories related to lignocellulosic biomass and standards as well as analytical methods involved in Biomass Chemical Analysis. Mainly, it will highlight on the composition determination of the main components of lignocellulosic biomass such as the carbohydrates, lignin, extractives and ash.

Time	Activity
0830 – 0900	Registration
0900 – 1000	Introduction to Biomass Compositional Analysis
1000 – 1015	Coffee Break
1015 – 1100	Theories, Standards & Methods in Biomass Compositional Analysis
1100 – 1300	Module 1: Ash Analysis Module 2 : Water & Ethanol Extractives
1300 – 1400	Lunch & Break
1400 – 1500	Module 3: Two-stage Acid Hydrolysis (Carbohydrate & Lignin Quantification)
1500 – 1600	Module 4: Data Extraction & Compilation
1600 – 1645	Visit to LRGS Lab: Hands-on Demonstration & Equipment Handling
1645 – 1700	Wrap up & Certification Awarding
1700 – 1730	Refreshment & Networking



Dr. Shuhaida Harun (UKM) is an expert in biomass compositional analysis and has conducted many researches involving pretreatment of biomass and the changes of its composition.

Organizer:

Co-organizers:



YAYASAN



LRGS:
Future
Biorefineries



Asia-Pacific
Economic Cooperation

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