

A Method of Producing Nanocellulose from a Biomass via Microwave-Assisted Oxidative Hydrolysis

TECHNOLOGY #P17008

Categories

Energy and Environment; Food and Agriculture; Wellness, Medical and Healthcare;

Solution

The CNC is produced from abundance source of Empty Fruit Bunch in Malaysia which previously has low commercial value. The conventional nanocellulose production method also is time consuming, uses large quantity of chemicals and produces wastes.

Technology & Applications

Nanocellulose can be used in many applications such as medical, oil and gas, cosmetic, paint and coating, fuel cell and food packaging. The material also can be used in food as stabilizer.

Advantages

This method uses less chemicals, shorter production process and time and produces salt-less nanocellulose.

Inventor

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Intellectual Properties

- Copyright: LY2019002426
- Patent: PI 2019006453

Technology Partner

Malawira Sdn Bhd

Gallery

EFB based nanocellulose produced by Microwave-assisted Oxidative Hydrolysis



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