

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

TECHNOLOGY #P17008

## Categories

[Nanocellulose](#), [Acid Hydrolysis](#), [Microwave](#)

## Technology & Applications

The 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.

## Intellectual Property

LY2019002426: "Fast and Effective Production of Nanocellulose from Biomass" copyright and PI 2019006453 : "A Method of Producing Nanocellulose from a Biomass via Microwave-assisted Oxidative Hydrolysis"

## Market Size

## Inventors

Dr. Rasidi Roslan (Universiti Malaysia Pahang)

## Technology Partners

Malawira Sdn Bhd

## Gallery

EFB based nanocellulose produced by Microwave-assisted Oxidative Hydrolysis



## External Links

[Technology Partner](#)

## Next Steps?

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