

Cellulose from Banana Sheath Fibers

Salient features

- Technology developed for cellulose fibres (similar to engineered fibres and acid hydrolyzed fibres, nano cellulose etc.) from banana sheath fibers
- Applications in the field of textile industry, as adsorbent, chemical filters, reinforcement biocomposites

Advantages

- ✓ Cheaper alternative, acts as an anti-caking agent, emulsifier, calorie reducer, add fiber
- ✓ Could be used in personal hygienic product market
- ✓ Reduce the fat requirement in the food to provide right texture
- ✓ Cellulose gum (carboxymethyl cellulose) or cellulose gel (microcrystalline cellulose or MCC), which are hydrated forms of cellulose, are often used in sauces or other wet items such as ice cream and frozen yogurt.



Process

Technology /

Product

developed by

Year

2018

Source of funding

ICAR

More

information

Status of commercialization / Patent / Publications/Technology transfer

Licensing and Transfer of Technology (ToT) fee: Rs.25000 + 18 % GST

1. M/s.Trophic Biosystems Pvt. Ltd, Ernakulam, Kerala
2. M/s. Poabs Agro Industries, Ernakulam, Kerala