"PREPARATION OF CELLULOSE ACETATE FROM WASTE SHORT CUT COCONUT COIR FOR APPLICATION AS BIODEGRADABLE PACKING MATERIAL FOR FOOD ITEMS"

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ABSTRACT

Shortcut Coir fibre is obtained from coconut husk (pith) and it is mainly contains cellulose and lignin. Coir fibre is a slow biodegradable, it is converted to cellulose acetate by using acetylating mixture (glacial acetic acid and acetic anhydride). It is mixed along with a plasticizers and impregnated on paper to be used as a packing material for food items, which is biodegradable and hence it is environmental friendly unlike the available packaging material in the market.