



Modification of banana starch (*Musa paradisiaca* L.) with polyethylene terephthalate: Virgin and bottle waste

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Highlights

- Degradation products of virgin and bottle waste of PET modified the chemical structure of starch.
- The modification of the morphology of the starch granule depends on the mass of PET used in the reaction.
- The crystallinity of the modified starch is a function of the Starch/PET mass ratio used in the reaction.
- Modified Starch Film is capable of conducting electrical current.

Abstract