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Title: Extraction and Characterization of polysaccharides from tamarind seeds, rice mill residue, okra waste and sugarcane bagasse for its Bio-thermoplastic properties

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Extraction and Characterization of polysaccharides from tamarind seeds, rice mill residue, okra waste and sugarcane bagasse for its Bio-thermoplastic properties

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Highlights:

- Urigam variety of tamarind seeds was found to be rich in amylose rich starch.
- Investigated polysaccharides were found to have high thermal stability.
- Crystallinity index of investigated polysaccharides were found to be in the order of SBC > TSS > RS > OMP.
- Okra mucilage and SBC were examined to be having linear sheets and linear bundles structures, respectively.

Abstract

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