

# Bionanocomposites From Poly(3-Hydroxybutyrate-co-3-hydroxyhexanoate) (PHBH) and Cellulose Nanofibres: Mechanical and Thermal Properties

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**Editor's note:** PHBH is a biodegradable polyester known for its non-toxicity and biocompatibility. Hlotse et al. explored the effect of cellulose nanofibres (CNFs) on PHBH bionanocomposites. Adding 1% CNF improved tensile strength and Young's Modulus due to hydrogen bonding, but higher concentrations led to agglomeration and reduced properties. PHBH/CNF bionanocomposites show potential as alternatives to traditional plastics.

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