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Influence of ball milling on the production of starch nanoparticles and its effect on structural, thermal and functional properties

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Abstract

The starch <u>nanoparticles</u> from <u>water chestnut</u> (WS), lotus stem (LS) and <u>horse chestnut</u> (HS) starch were synthesized using planetary ball milling. The starch <u>nanoparticles</u> were investigated by using various techniques like particle size analyser, differential scanning colorimeter (DSC), X-ray diffraction (XRD), scanning electron microscopy (SEM),