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Title: Combined bleaching and hydrolysis for isolation of cellulose nanofibrils from waste sackcloth

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Highlights

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- A highly efficient approach for preparation of CNF from waste sackcloth.

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- $\text{H}_2\text{O}_2/\text{HNO}_3$ solution was utilized as both bleaching agent and hydrolysis medium.

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- Sonication process was beneficial to form well dispersed colloidal suspensions.

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- CNF with 20-50 nm in width and hundreds of nanometers in length was obtained.

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