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Cellulose/Tb(III) Nanocomposites for Detection of Mn<sup>2+</sup> with

Simpleness, Rapidness and High Sensitivity

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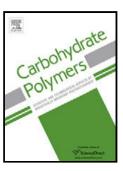
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## ACCEPTED MANUSCRIPT

# Fluorescence Probe Based Carboxymethyl Cellulose/Tb( $\rm III$ ) Nanocomposites for Detection of Mn<sup>2+</sup> with Simpleness, Rapidness and High Sensitivity

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#### **Highlights**

- •A novel CMC/Tb(III) nanocomplex probe for detection of Mn<sup>2+</sup> in aqueous solution
- ullet high sensitivity and selectivity fluorescence probe for detecting  $Mn^{2+}$  in tap water
- Syntheses of the probe for detection Mn<sup>2+</sup> under mild and eco-friendly condition

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