

# Cellulose-supported ferrihydrites for the removal of As(III), As(V) and Cr(VI) from mining-contaminated water

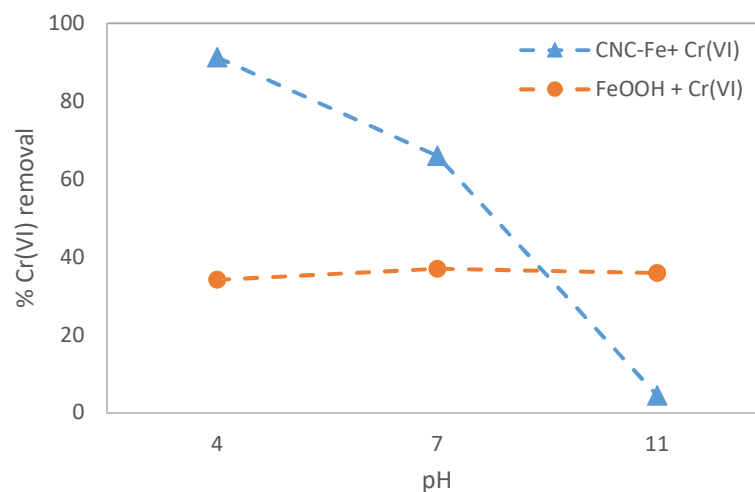
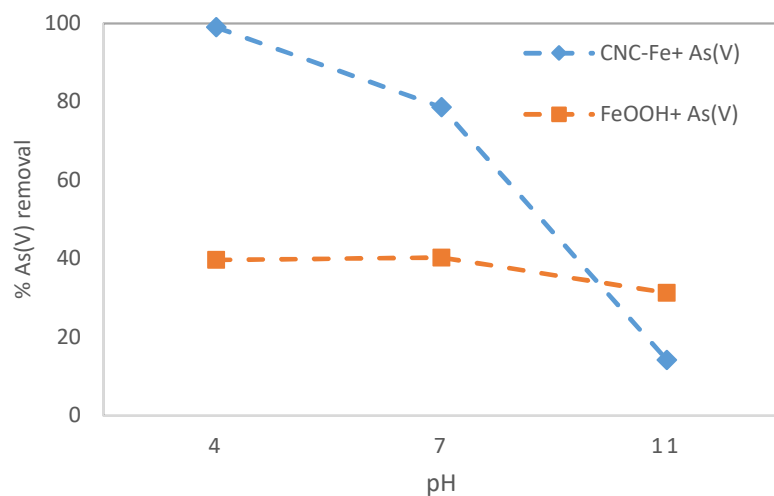
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## Supplementary information

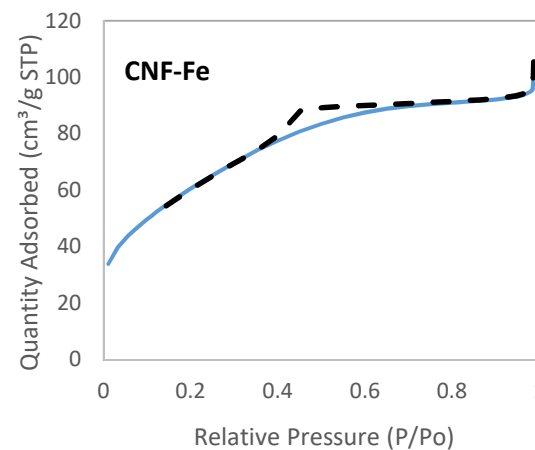
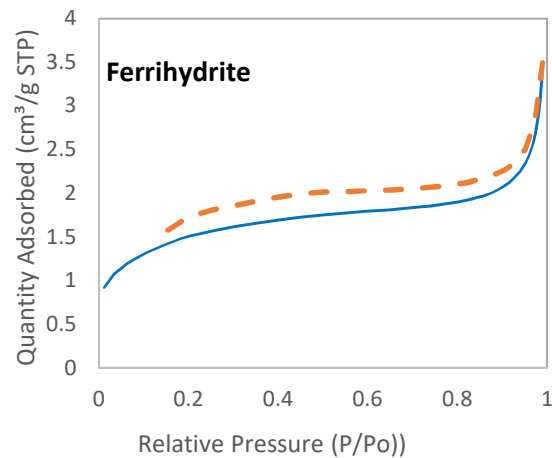
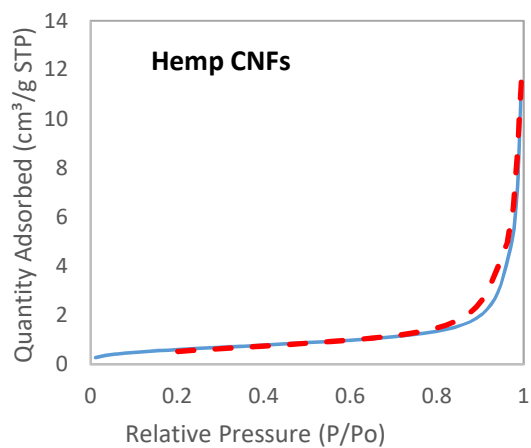
### 1. Adsorption of As(III), As(V) and Cr(VI) by plain ferrihydrite (FeOOH) and CNF-Fe



**As(III):** Adsorption was examined only at pH 11. Percent removal by plain ferrihydrite (FeOOH) was 79.6%, while that of cellulose-supported ferrihydrites (CNF-Fe) was 95.6%.

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**2. Gas adsorption isotherms of hemp cellulose nanofibres, ferrihydrite and CNF-Fe**



**3. Speciation of As(III), As(V) and Cr(VI) at experimental pH**

