Electronic Supplementary Material (ESI) for Environmental Science: Nano.

Supplementary Information

Assessment of the Phytotoxicity of HNTs on Two Plants, *Cynodon dactylon* and *Brassica rapa* L

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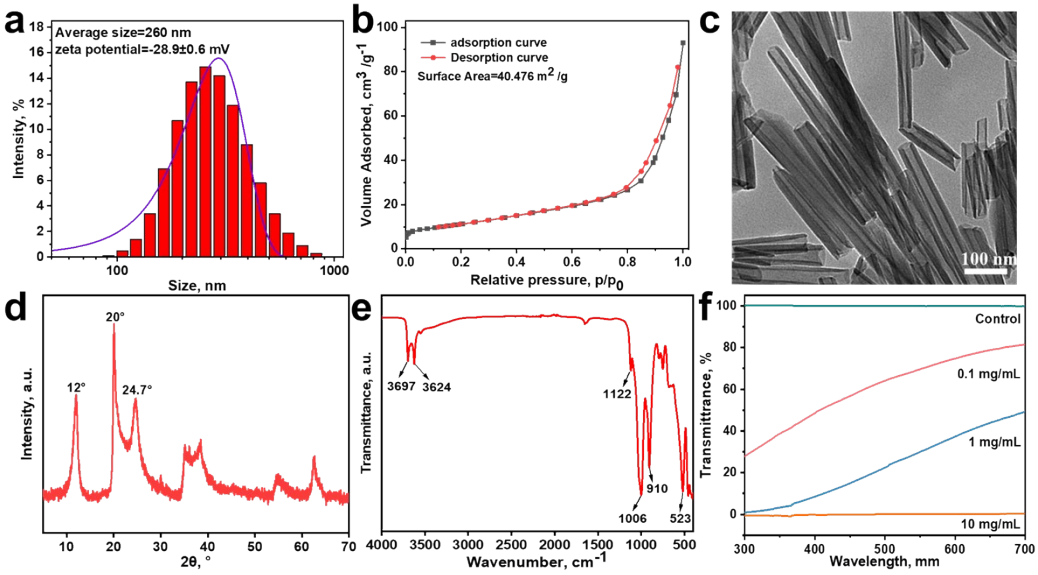

Fig. S1. The particle size distribution and zeta potential (a), nitrogen adsorption-desorption isotherm (b), TEM image (c), XRD patterns (d), and FT-IR spectra (e). The optical transmittance of different concentrations of HNTs dispersion (f).

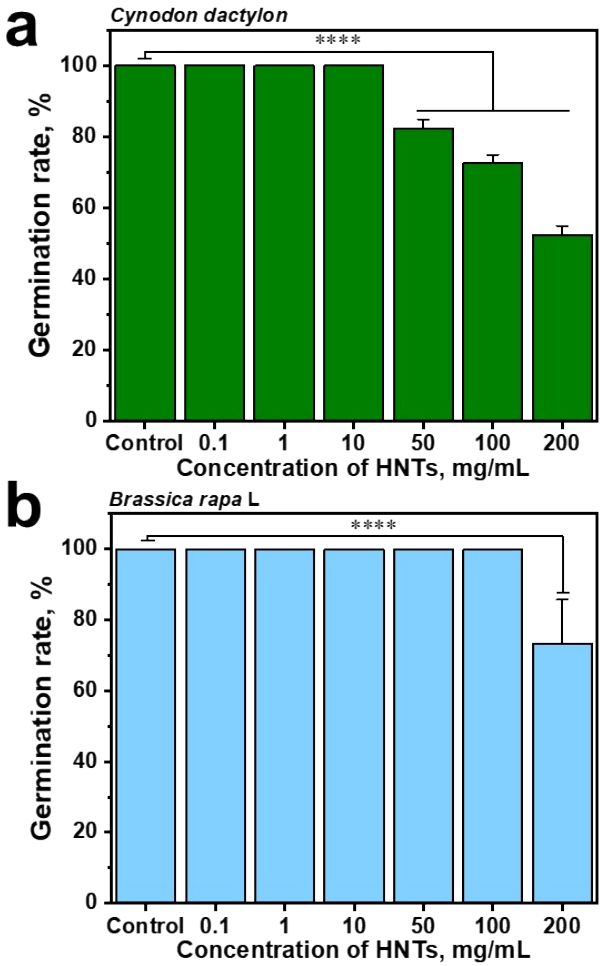

Fig. S2. Germination rates of *Cynodon dactylon* (a) and *Brassica rapa* L (b) under different concentrations of HNTs dispersion.

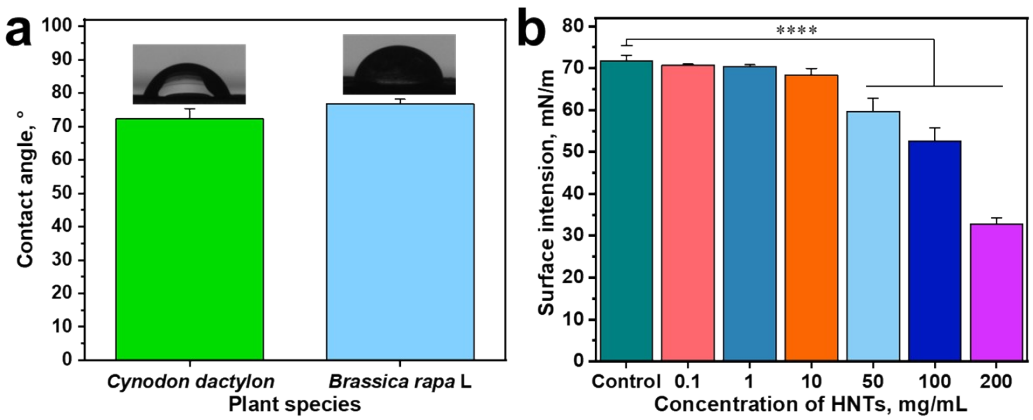

Fig. S3. The contact angle of *Cynodon dactylon* and *Brassica rapa* L with water (a), and the surface intension of different concentrations of HNTs dispersion (b).

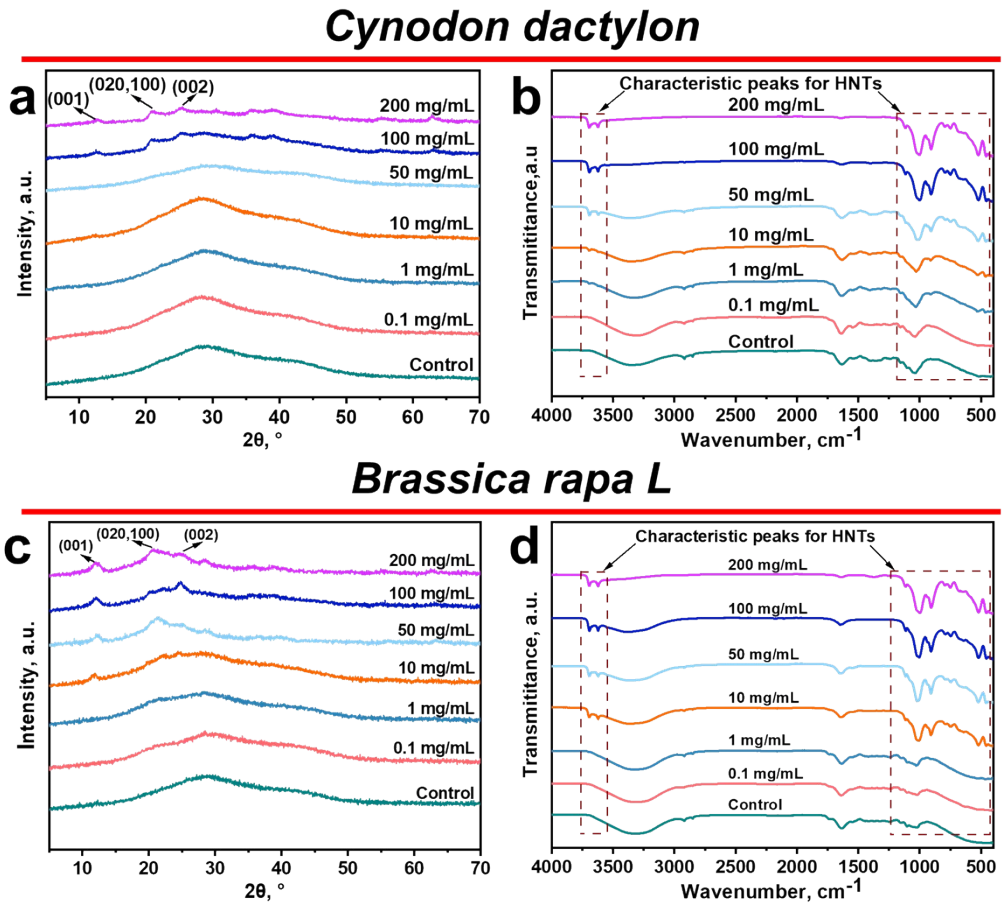

Fig. S4. The XRD (a) and FT-IR (b) of *Cynodon dactylon*, and the XRD (c) and FT-IR (d) of *Brassica rapa* L by foliar spraying with HNTs dispersion at different concentrations after 3 days.

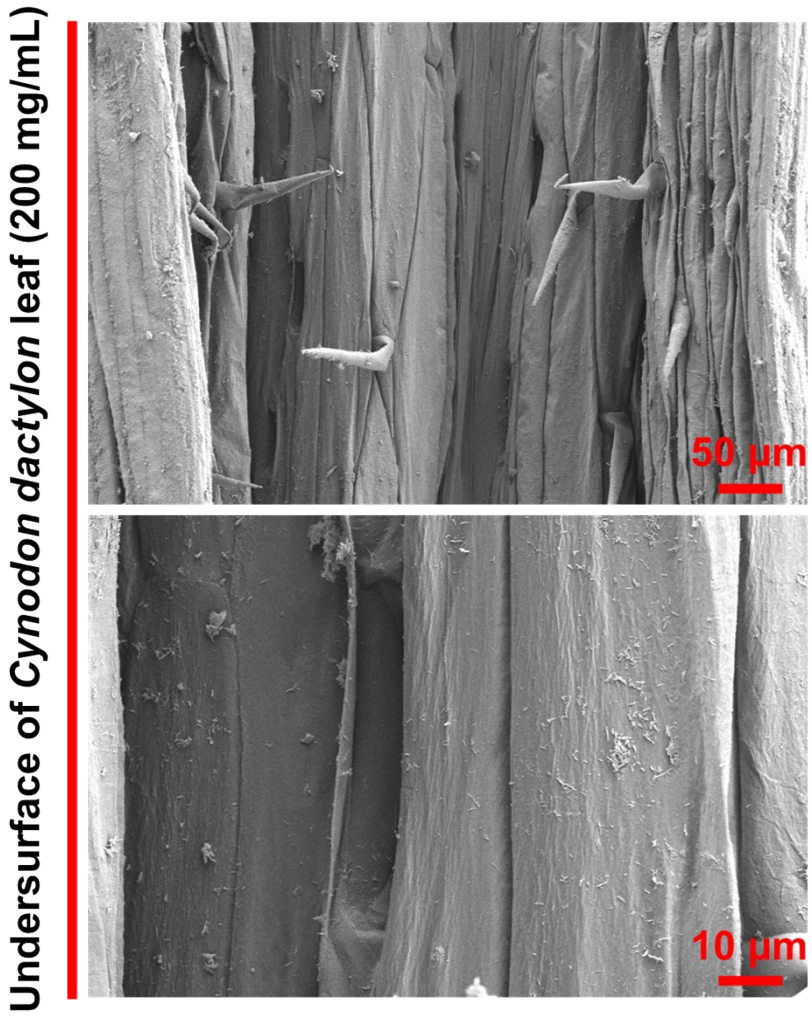

Fig. S5. The SEM image of the undersurface of *Cynodon dactylon* leaf treated with 200 mg/mL HNTs dispersion.