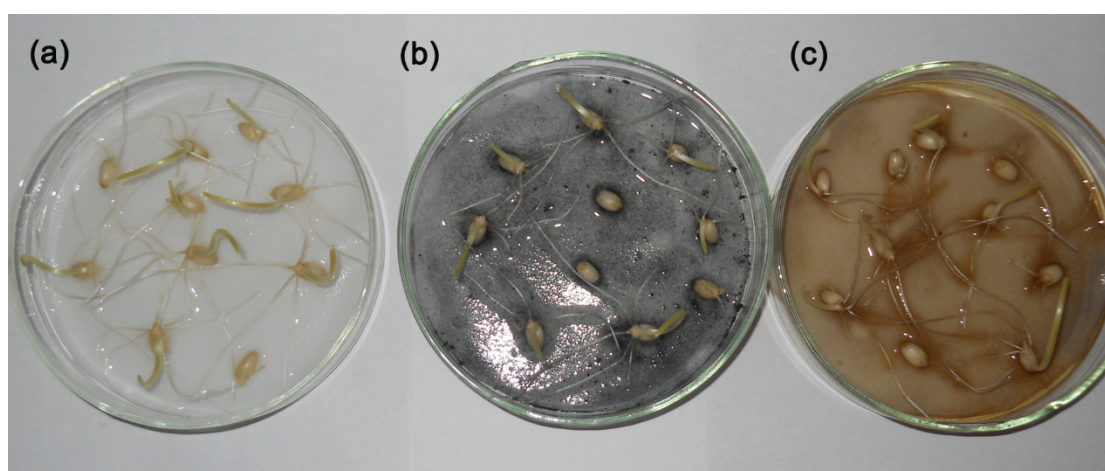


# Various Physiological Response to Graphene Oxide and Amine-Functionalized Graphene Oxide in Wheat (*Triticum aestivum*)

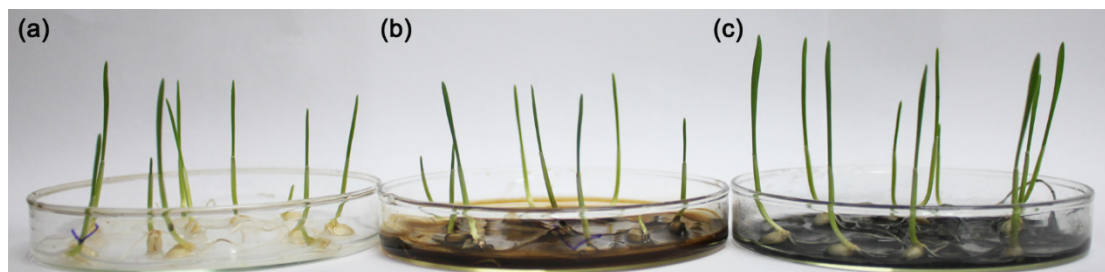
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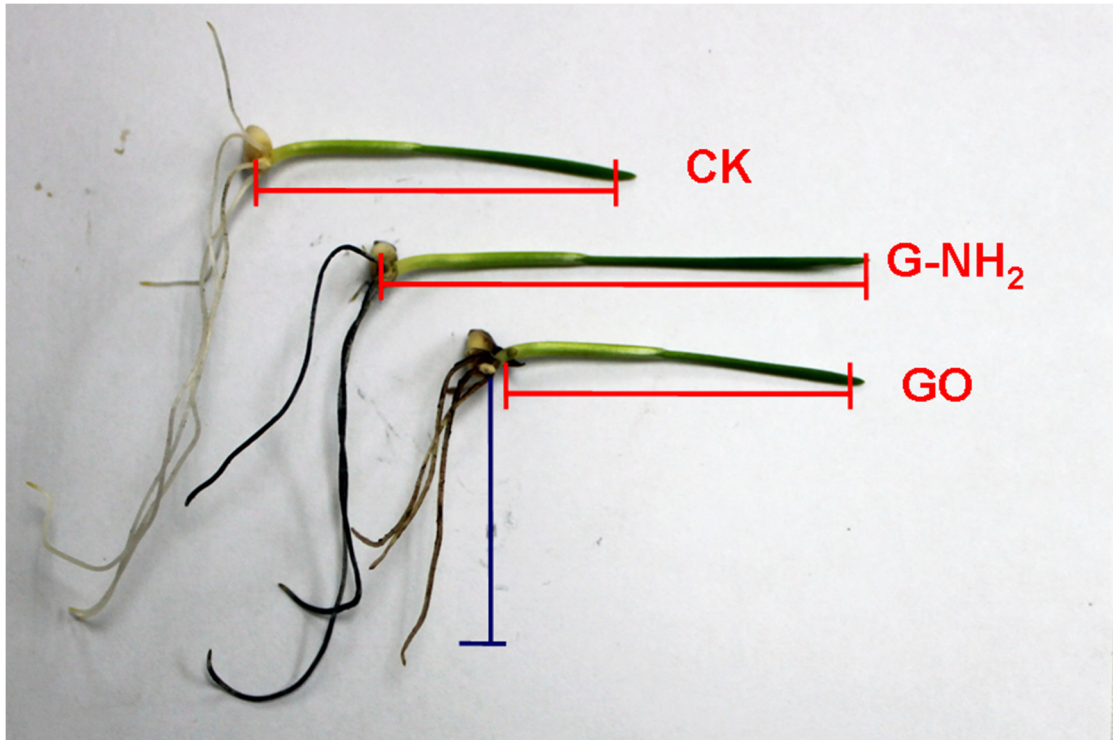
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**Figure S1.** Phenotypes of wheat seed germination after incubation with (a) water, 2000 µg/mL of (b) GO and (c) G-NH<sub>2</sub> for 72 h.



**Figure S2.** Phenotypes of 4-day-old wheat seedlings grown on medium with (a) water, 2000 µg/mL of (b) GO and (c) G-NH<sub>2</sub>.



**Figure S3.** Phenotypes of 4-day-old wheat seedlings grown on medium with water (CK), 200  $\mu\text{g/mL}$  of GO and G-NH<sub>2</sub>.