

# Silicon-Rich Biochar Detoxify Multiple Heavy Metals in Wheat by Regulating Oxidative Stress and Subcellular Distribution of Heavy Metal

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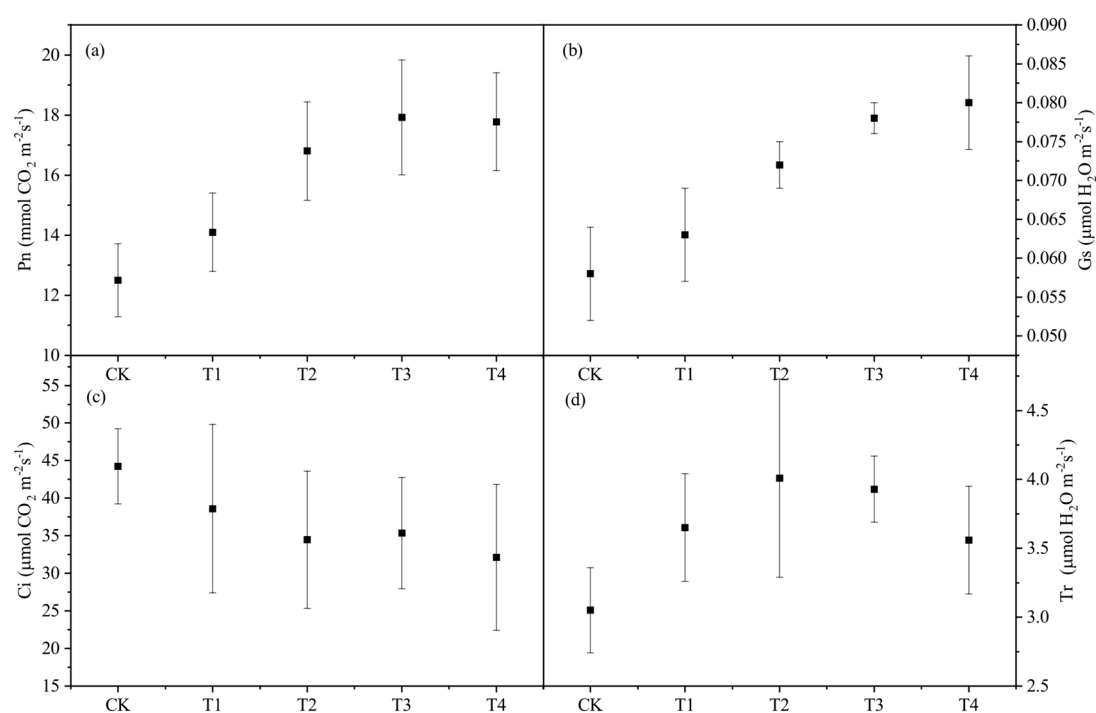
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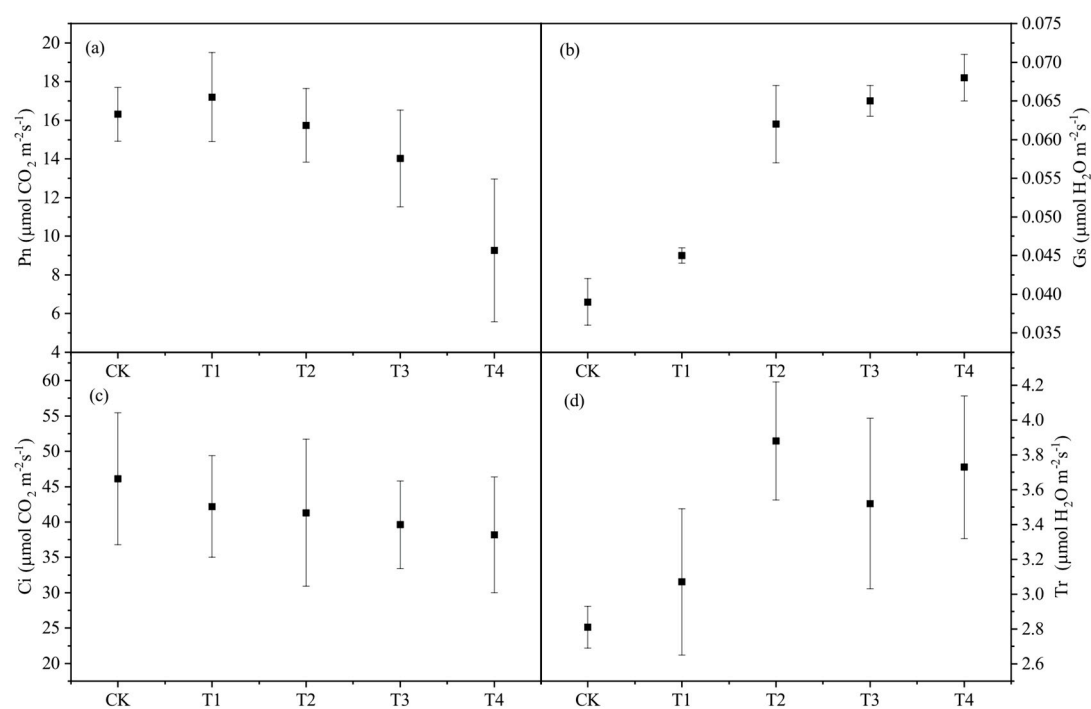
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**Figure S1.** Effects of Si-rich amendments (T1-T4) on wheat leaf photosynthetic parameters under multi-heavy metal stress in yellow brown soil (YB). (a) Pn. (b) Gs. (c) Ci. (d) Tr. Note: CK (Control, without amendment), T1 (potassium silicate 2 g kg<sup>-1</sup> soil), T2 (RHB 2 g kg<sup>-1</sup> soil), T3 (RHB 2 g kg<sup>-1</sup> soil + Bentonite 1 g kg<sup>-1</sup> soil), T4 (RHB 2 g kg<sup>-1</sup> soil + Bentonite 2 g kg<sup>-1</sup> soil).



**Figure S2.** Effects of Si-rich amendments on wheat leaf photosynthetic parameters under multi-heavy metal stress in calcareous alluvial soil (CA). **(a)** Pn. **(b)** Gs. **(c)** Ci. **(d)** Tr. Note: CK (Control, without amendment), T1 (potassium silicate 2 g kg<sup>-1</sup> soil), T2 (RHB 2 g kg<sup>-1</sup> soil), T3 (RHB 2 g kg<sup>-1</sup> soil + Bentonite 1 g kg<sup>-1</sup> soil), T4 (RHB 2 g kg<sup>-1</sup> soil + Bentonite 2 g kg<sup>-1</sup> soil).