

Supplementary Material

Silicon and zinc nanoparticles-enriched miscanthus biochar enhanced seed germination, antioxidant defense system, and nutrient status of radish under NaCl stress

Zuhra Taqdees^A, Javairia Khan^A, Waqas-ud-Din Khan^{A,B,}, Salma Kausar^C, Muhammad Afzaal^A, and Imran Akhtar^D*

^ASustainable Development Study Centre, Government College University, Lahore, Pakistan.

^BTasmanian Institute of Agriculture, University of Tasmania, Hobart, TAS, Australia.

^CSoil and Water Testing Laboratory, Lodhran, 59320, Pakistan.

^DEntomology Section, Regional Agricultural Research Institute, Bahawalpur, 63100, Pakistan.

*Correspondence to: Waqas-ud-Din Khan Sustainable Development Study Centre, Government College University, Lahore, Pakistan and Tasmanian Institute of Agriculture, University of Tasmania, Hobart, TAS, Australia Email: dr.waqasuddin@gcu.edu.pk

Supplementary Table S1. Post-harvest soil analysis including moisture content (%), pH, EC (dS m⁻¹) and cation exchange capacity CEC (cmol_c Kg⁻¹) of soil samples with applied treatments

Treatments	Soil moisture content (%)	pH	EC (dSm⁻¹)	CEC (cmol_c Kg⁻¹)
Control	12±0.93	7.25±0.03	0.5±0.01	5.87±0.34
NaCl	13±1.2	7.9±1.34	2.5±0.2	5.4±0.23
Zn-En-Bc	17±2.02	7.1±0.78	1.3±0.03	6.01±0.76
Si-En-Bc	14±1.03	7.21±0.84	1.4±0.04	5.99±0.43
Zn-En-Bc+NaCl	16±2.73	7.69±0.12	1.95±0.3	5.84±0.65
Si-En-Bc+NaCl	8.9±1.05	7.8±1.03	2.45±0.03	5.86±0.76
