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ABBREVIATIONS

SNP	Silver nanoparticles
PEG	Polyethylene glycol
AgNO ₃	Silver nitrate
OCIO	Oxalate capped iron oxide nanoparticles
FeSO ₄	Ferrous sulphate
EDTA	Ethylenediaminetetraacetic acid
KH ₂ PO ₄	Potassium dihydrogen phosphate
(NH ₄) ₂ SO ₄	Ammonium sulphate
LSD	Least significance difference
AvI N	Available Nitrogen
AvI P	Available Phosphorus
AvI K	Available Potassium
S	Sulphur
NFB	Nitrogen fixing bacteria
PSB	Phosphate solubilizing bacteria
UV-VIS	Ultraviolet-visible spectroscopy
CFU	Colony forming unit
BD	Bulk density
WHC	Water holding capacity
MBC	Microbial biomass carbon
MBN	Microbial biomass nitrogen
TOC	Total organic carbon
CEC	Cation exchange capacity
TKN	Total Kjeldahl nitrogen
AAS	Atomic Absorption Spectrophotometry
LAI	Leaf area index
GS	Glutamine synthetase
GOGAT	Glutamate synthase
NR	Nitrate reductase
GSH	Reduced glutathione

GST	Glutathione S transferrase
GPx	Glutathione peroxidise
SOD	Super oxide dismutase
TSS	Total soluble solid
DDW	Double distilled water
SEM	Scanning electron microscope
EDX	Energy-dispersive X-ray spectroscopy
XRD	X-Ray Diffraction
BET	Brunauer–Emmett–Teller
ANOVA	Analysis of variance
DTPA	Diethylenetriaminepentaacetic acid
QA	Quality assurance
QC	Quality control
RBD	Randomized block design
qRT-PCR	Real time polymerase chain reaction