

Abbreviations

AAS	: Atomic absorption spectrophotometer
AFM	: Atomic force microscope
BB	: Brilliant blue
BLAST	: Basic local alignment search tool
CLSM	: Confocal laser scanning microscope
CR	: Congo red
DLS	: Dynamic light scattering
DNA	: Deoxy ribonucleic acid
Ec	: Electrical conductivity
ECW	: East Calcutta wetland
EDAX	: Energy dispersive X-ray analysis
EDS	: Energy dispersive spectrometer
EY	: Eosin Y
FTIR	: Fourier transform infrared spectroscopy
H ₂ O ₂	: Hydrogen peroxide
HCl	: Hydrochloric acid
HR-TEM	: High resolution-Transmission electron microscope
MIC	: Minimum inhibitory concentration
MO	: Methyl Orange
NA	: Nitro aniline
NGP	: Nano gold particle
nm	: Nano meter
NP	: Nitro phenol
NSP	: Nano silver particle
PCR	: Polymerase chain reaction
PDA	: Potato dextrose agar
PDB	: Potato dextrose broth
SDS-PAGE	: Sodium dodecyl sulphate-polyacrylamide gel electrophoresis
TEF	: Translation elongation factor 1- α
ug	: Micro gram
XRD	: X-ray diffraction