

GENERAL ABBREVIATIONS

ECR	Electrochemical Reduction
NO ₃ -N	Nitrate-Nitrogen
NO ₂ -N	Nitrite-Nitrogen
NH ₃ -N	Ammonia-Nitrogen
TN	Total Nitrogen
Ti	Titanium
Gr	Graphite
Fe	Iron
SS	Stainless Steel
Cu	Copper
Fe/Sn	Tin coated iron
SEM	Scanning Electron Microscopy
EDAX	Energy-dispersive X-ray
XRD	X-ray Diffraction
WWAP	World Water Assessment Programme
WHO	World Health Organization
BIS	Bureau of Indian Standards
CPCB	Central Pollution Control Board
AgMPs	Silver metal particles
Ag-PVA	Silver coated on polyvinyl alcohol
Ti/Co ₃ O ₄	Cobalt oxide coated on titanium
USEPA	United States Environmental Agency

Mg Magnesium

PO₄ Phosphate

LIST OF CHEMICALS

AgNO₃ Silver nitrate

NaBH₄ Sodium Borohydride

RuCl₃ Ruthenium Chloride

MnSO₄ Manganese Sulphate

ZnSO₄ Zinc Sulphate

CuSO₄.7H₂O Copper Sulphate

CdSO₄.5H₂O Cadmium Sulphate

MnSO₄ Manganese Sulphate

NiSO₄ Nickel Sulphate

KNO₃ Potassium Nitrate

H₂SO₄ Sulphuric acid

C₂H₂O₄ Oxalic acid

HCl Hydrochloric acid

IPA Isopropyl Alcohol