

List of Abbreviation

AFM	Atomic Force Microscope
BET	Brunauer Emmett Teller
BiOBr	Bismuth oxy Bromide
BSA	Bovine Serum Albumin
CA	Contact Angle
CR	Congo red
DD	Double Distilled
DLS	Dynamic Light Scattering
DPC	Diphenylcarbazine
DRS	Diffusive Reflectance Spectroscopy
DSBC	Degree of shift in the binodal curve
EDTA	Ethylenediaminetetraacetic acid
FRR	Flux Recovery Ratio
FTIR	Fourier Transform spectroscopy
FWHM	Full width at half maximum
HA	Humic Acid
HRSEM	High-Resolution Scanning Electron Microscope
HRTEM	High Resolution Transmission Electron Microscope
IBP	Ibuprofen
IFR	Irreversible Fouling Ratio
MCL	Maximum Contamination Level
MF	Microfiltration
MG	Miscibility Gap
MHCF	Metal hexacyanoferrate
MB	Methylene blue
MO	Methyl orange
MWCNT	Multiwall carbon nanotube
NA	Nutrient Agar
NB	Nutrient Broth

NB dye	Nile blue
NMP	N-Methyl-2-Pyrrolidone
NP	4-nitrophenol
NPs	Nanoparticles
PAN	Polyacrylonitrile
PBS	Phosphate Buffer Saline
PEG	Polyethylene glycol
PES	Polyether sulphone
PPY	Polypyrrole
PVA	Polyvinyl alcohol
PVDF	Polyvinylidene Fluoride
PVP	Polyvinyl pyrrolidone
RFR	Reversible Fouling Ratio
RY	Reactive Rellow
SAD	Selected Area Diffraction
TE	Thermodynamic Enhancement
TFR	Total Fouling Ratio
TNA	Titanium oxide nanotube array
TTIP	Titanium Isopropoxide
UF	Ultrafiltration
USEPA	U. S. Environmental Protection Agency
WHO	World Health Organization
XDLVO	Extended Derjaguin–Landau–Verwey–Overbeek
XRD	X-Ray Diffraction