

***LIST OF ABBREVIATIONS:***

<b>Abbreviation</b>	<b>Full Form</b>
APHA	American Public Health Association
AO	Ammonium Oxalate
BiOI	Bismuth Oxyiodide
BiOBr	Bismuth Oxybromide
Bi <sub>2</sub> WO <sub>6</sub>	Bismuth Tungstate
BQ	Benzoquinone
C <sub>3</sub> N <sub>4</sub>	Carbon Nitride
g-C <sub>3</sub> N <sub>4</sub>	Graphitic Carbon Nitride
CdSe	Cadmium Selenide
CAT	Catalase
CB	Conduction Band
CTAB	Cetyltrimethylammonium Bromide
COD	Chemical Oxygen Demand
CdS	Cadmium Sulphide
CNTs	Carbon Nano tubes
CuPc	Copper Phthalocyanine
CNS-CNS	C <sub>3</sub> N <sub>4</sub> -Sulphur-modified-C <sub>3</sub> N <sub>4</sub>
DFT	Density Functional Theory
DSSC	Dye Sensitized Cells
DRS	Diffuse Reflectance Spectroscopy
EDS	Energy Dispersive X-ray Spectroscopy
EG	Ethylene Glycol
FTIR	Fourier Transform Infrared Spectroscopy
FWHM	Full Width At Half Maximum
GO	Graphene Oxide
IPA	Isopropyl Alcohol
IL	Ionic Liquid
NC	Nanocomposite
NCs	Nanocomposites
NP	Nanoparticle

ns	Nanoseconds
NPs	Nanoparticles
PL	Photoluminescence
PCO	Photocatalytic Oxidation
ps	Picoseconds
PBS	Ponceau BS
QD	Quantum Dot
RhB	Rhodamine B
RGO	Reduced Graphene Oxide
S-S	Semiconductor-Semiconductor
SEM	Scanning Electron Microscopy
SC	Semiconductor
SAED	Selected Area Diffraction Pattern
Ag <sub>2</sub> S	Silver Sulphide
Ag <sub>3</sub> PO <sub>4</sub>	Silver Phosphate
Ag <sub>2</sub> CO <sub>3</sub>	Silver Carbonate
TEM	Transmission Electron Microscopy
T <sub>dif.</sub>	Time for Diffusion of Photogenerated Charges
TiO <sub>2</sub>	Titanium Dioxide
T <sub>rec.</sub>	Time for Recombination of Photogenerated Charges
TA	Terephthalic Acid
TBA	Tert-butylalcohol
UV-vis	UV-Visible Spectroscopy
VB	Valence Band
VLD	Visible light Driven
XPS	X-ray Photoelectron Spectroscopy
XRD	X-Ray Diffraction

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