

LIST OF SYMBOLS AND ABBREVIATIONS

NPs	-	Nanoparticles
CuI	-	Copper iodide
Mn	-	Manganese
Mg	-	Magnesium
KI	-	Potassium iodide
ITO	-	Indium tin oxide
DMS	-	Diluted Magnetic Semiconductors
VSM	-	Vibrating Sample Magnetometer
XRD	-	X-ray Diffraction
FT-IR	-	Fourier Transform Infra Red
SEM	-	Scanning Electron Micrographs
EDAX	-	Energy Dispersive X-ray Analysis
AFM	-	Atomic Force Microscopy
UV-DRS	-	Ultra-Violet-Diffuse Reflectance Spectroscopy
EIS	-	Electrochemical Impedance Spectroscopy
DFT	-	Density Functional Theory
GGA	-	Generalized Gradient Approximation
TB-mBJ	-	Tran-Blaha modified Becke-Johnson potential