

List of Acronyms

XRD	X-Ray Diffractometry
FESEM	Field Emission Scanning Electron Microscope
TEM	Transmission Electron Microscope
UV-Vis	UV-Visible Spectroscopy
UV-DRS	UV- Diffuse Reflectance Spectra
PL	Photoluminescence Spectroscopy
TGA	Thermogravimetric Analysis
DSC	Differential Scanning Calorimeter
VSM	Vibrating Sample Magnetometer
EIS	Electrochemical Impedance Studies
FTIR	Fourier Transformation Infrared Spectroscopy
PPS	Polyphenylene Sulphide
ZA	Zinc Acetate
CA	Cobalt Acetate
MA	Manganese Acetate
TU	Thiourea
T _g	Glass Transition Temperature
T _m	Melting Temperature