ABBREVIATIONS

CB Conduction Band
CC Competitive Centers
FTIR Fourier Transform Infrared Spectroscopy
FWHM Full Width Half Maximum
FOM Figure of Merit
GCD Glow Curve Deconvolution
HRTEM High Resolution Transmission Electron Microscope
HR Heating rate
IR Infra - Red
LASER Light Amplification by Stimulated Emission of Radiation
LCs Luminescent Centres
M Molarity (moles/L)
ODH Oxalyl Diformyl Hydrazine
PIXE Particle Induced X-ray Emission
PL Photoluminescence
PXRD Powder X-Ray diffraction
PMT Photo Multiplier Tube
RBS Rutherford Back Scattering
RT Room Temperature
SCS Solution Combustion Synthesis
SEM Scanning Electron Microscope
TCs Trap Centers
TEM Transmission Electron Microscope
TIM Track Interaction Model
TL Thermoluminescence
TSL Thermally Stimulated Luminescence
XRD X-Ray Diffraction
UV Ultra Violet
UV-VIS Ultra violet visible spectroscopy
VB Valence band
VUV Vacuum Ultra Violet
W-H Williamson-Hall