

## List of Abbreviations

<i>Abbreviation</i>	<i>Full form</i>
AFM	Atomic force microscopy
BH	Barrier inhomogeneities
CL	Cathodoluminescence
D	Dimensional
DHJ	Double heterojunction
EAM	Electron affinity model
FESEM	Field emission scanning electron microscopy
FWHM	Full width half maxima
HJ	Heterojunction
I-V-T	Current voltage temperature
LO	Logitudinal optical
MFC	Mass flow controller
M-H	Magnetic field- Hysteresis
MOCVD	Metal organic chemical vapour deposition
NBE	Near band emission
NR	Nanorod
NT	Nanotube
NW	Nanowire
PL	Photoluminescence
PLD	Pulse laser deposition
PSD	Power spectral densities
PVD	Physical vapour deposition
RF	Radio frequency
RMS	Root mean square
RT	Room temperature
SAED	Selected area electron diffraction
SHJ	Single heterojunction
TE	Thermionic emission
TFE	Trap field emission
TO	Transverse optical
Uv-Vis	Ultraviolet- visible
VLS	Vapour liquid solid
VS	Vapour solid
VSM	Vibrating sample magnetron
XRD	X-ray diffraction

