

List of Abbreviations



a	Alpha (α°)
A	Anisotrophy
ASAR	Advanced Synthetic Aperture Radar
σ°	backscattering coefficient
BA	Basal area
B	Brillouin
CC	Crown cover
CC	Tree Canopy cover
CDM	Clean Development Mechanism
dB	decibel
DBH	Diameter at Breast Height
DI	Diversity Index
DN	Digital Number
EMR	Electromagnetic Radiation
ENVISAT	Environment Satellite
EO	Earth Observation
ETM	Enhanced Thematic Mapper
FSI	Forest Survey of India
GIS	Geographical Information System
H	Entropy
$\overline{H}$	Shannon-Wiener
ha	hectares
HH	Horizontal Horizontal
HV	Horizontal Vertical
IHS	Intensity Hue Saturation
IRS	Indian Remote Sensing
LAI	Leaf Area Index
LISS	Linear Imaging Self Scanner
M ha	Million Hectares

m	meter
Ma	Margalef
MI	McIntosh
MLR	Multiple linear regression model
MSS	Multispectral Scanner
NDMI	Normalized Differential Moisture Index
NDVI	Normalized Differential Vegetation Index
OR	Out of Range
RADAR	Radio Detection and Ranging
RADARSAT	Radar Satellite
RVI	Radar Vegetation Index
RWC	Relative leaf water content
S.E	Standard Error
SAR	Synthetic Aperture Radar
SFR	State of Forest Report
sq.km	square kilometer
TH	Total tree Height
TM	Thematic Mapper
VH	Vertical Horizontal
VV	Vertical Vertical
WR	Within Range