

Abbreviations

AISA-Fenix	Airborne Imaging Spectrometer for Applications - Fenix
APEX	Airborne Prism Experiment
ASI	Italian Space Agency
ASTER	Advanced spaceborne thermal emission and reflection radiometer
AUC	Area under the curve
AVIRIS	Airborne Visible / Infrared Imaging Spectrometer
AVIRIS-NG	Airborne Visible / Infrared Imaging Spectrometer – Next Generation
BNORM	Brightness normalization
BRDF	Bidirectional reflectance distribution function
CASI	Compact Airborne Spectrographic Imager
CHA	Convex hull area
CHRIS	Compact High-Resolution Spectrometer
CHV	Convex hull volume
CNES	Centre national d'études spatiales
CNN	Convolutional Neural Network
CR	Continuum removal
CV	Coefficient of Variation
DBH	Diameter at breast height
DLR	German Aerospace Center
EMS	Electromagnetic spectrum
EnMap	Environmental Mapping and Analysis Program
ENVI	Environment for Visualizing Images
EO-1	Earth Observatory-1
ESA	European Space Agency
ETM+	Landsat-7 enhanced thematic mapper plus
EU	Europe
FAHI	Full spectrum Airborne Hyperspectral Imager
FAO	Food and Agriculture Organization
FLEX	Fluorescence Explorer
FLORIS	Fluorescence Imaging Spectrometer

FSI	Forest Survey of India
GFOI	Global Forest Observations Initiative
GFW	Global Forest Watch
GMT	Greenwich Mean Time
GPS	Global positioning system
HISUI	Hyperspectral Imager Suite
HRv	High resolution visible
HYDICE	Hyperspectral Digital Imagery Collection Experiment
HyMap	Hyperspectral Mapper
Hyperspec	Hyperspectral Imaging
HYSI	HYperSpectral Imaging
HySIS	Hyperspectral Imaging Satellite
HySpex	Hyperspectral Imaging Spectrometer
HypIRI	Hyperspectral Infrared Imager
IMS-2	ISRO's Mini Satellite-2
IN-SPACe	Indian National Space Promotion & Authorization Centre
IRS	Indian Remote Sensing
ISRO	Indian Space Research Organization
ISS	International space station
Itres	ITRES Research Limited
kNN	k-nearest neighbors
Lidar	Light Detection and Ranging
LISS	Linear Imaging Self-scanning
LULC	Land use/cover
MDFP	Mudumalai Forest Dynamics Plot
MIR	Mid-infrared
MNF	Minimum Noise Fraction
MODIS	Moderate resolution imaging spectroradiometer
MSS	Multispectral Scanner
MTR	Mudumalai Tiger Reserve
NASA	National Aeronautics and Space Administration
ODIN	Optical Spectrograph and Infrared Imager System
OHNBs	Optimal hyperspectral narrow bands

OOB	Out-of-bag
PAs	Protected areas
PC	Principal Component
PCA	Principal Component analysis
PRISMA	PRecursore IperSpettrale della Missione Applicative
PROBA-1	Project for On-Board Autonomy-1
Radar	Radio Detection and Ranging
Rao's Q	Rao's index of quadratic entropy (Q)
RF	Random Forest
ROC	Receiver operating characteristics
ROI	Region of Interest
SAM	Spectral angle mapper
SBG	Surface Biology and Geology
SD	Standard Deviation
SID	Spectral information divergence
SMOTE	Synthetic Minority Oversampling Technique
SNR	Signal-to-Noise Ratio
SPOT	Satellite Pour l' Observation de la Terre
SVM	Support Vector Machine
SWIR	Short-wave infrared
SWS	Shoolpaneshwar Wildlife Sanctuary
TIR	Thermal infrared
US	United States
UV	Ultraviolet
VIS	Visible
VNP	Vansda National Park