



## List of Abbreviations

A&R	Afforestation and Reforestation
AFLP	Amplified Fragment Length Polymorphism
AFRI	Arid Forest Research Institute
AMF	Arbuscular Mycorrhizal Fungi
APFDC	Andhra Pradesh Forest Development Corporation.
APFISN	Asia Pacific Forest Invasive Species Network
APMP	Alkaline Peroxide Mechanical Pulping
AYUSH	Ayurveda, Yoga and Naturopathy, Unani, Siddha and Homeopathy
CCA	Copper Chrome Arsenic
CCB	Copper Chrome Boric
CDM	Clean Development Mechanism
CD-ROM	Compact Disc Read Only Memory
CFR&HRD	Centre for Forestry Research and Human Resource Development
CPT	Candidate Plus Tree
CSF&ER	Centre for Social Forestry Research and Eco Rehabilitation
CSIR	Council of Scientific and Industrial Research
CSIRO	Commonwealth Scientific and Industrial Research Organization, Australia
CSO	Clonal Seed Orchard
CTG	Cassia Tora Gum
DBH	Diameter at Breast Height
DBT	Department of Biotechnology
DST	Department of Science and Technology
ESF	Extension Support Fund
FIS	Forest Invasive Species



FRC	Forest Research Centre
FREE-P	Forestry Research Education and Extension Project
FRI	Forest Research Institute
FRLHT	Foundation for Revitalization of Local Health Traditions
FSI	Forest Survey of India
FYM	Farm Yard Manure
GACL	Gujarat Alkali and Chemicals Ltd.
GBPIHED	Govind Ballabh Pant Institute of Himalayan Environment and Development
GC-MS	Gas Chromatography-Mass Spectrometry
GEF	Global Environmental Facility
GHG	Green House Gas
GLC	Gas Liquid Chromatography
HFRI	Himalayan Forest Research Institute
HPLC	High Performance Liquid Chromatography
ICAR	Indian Council of Agricultural Research
ICFRE	Indian Council of Forestry Research and Education
IFFDC	Indian Farm Forestry Development Cooperative
IFGTB	Institute of Forest Genetics and Tree Breeding
IGNP	Indira Gandhi Nahar Pariyojna
IHBT	Institute of Himalayan Bioresource Technology
IIRS	Indian Institute of Remote Sensing
IPIRTI	Indian Plywood Industries Research and Training Institute
IPM	Integrated Pest Management
IPMA	Indian Paper Manufacturers Association
IPT	International Provenance Trial
IR	Infra Red
ISO	International Organization for Standardization
ISSR	Inter Sample Sequence Repeat



ITTO	International Tropical Timber Organization
IWST	Institute of Wood Science and Technology
JRF	Junior Research Fellow
KFD	Kerala Forest Department
LAN	Local Area Network
LOSP	Light Organic Solvent Preservative
MoEF	Ministry of Environment and Forests
MoU	Memorandum of Understanding
MPT	Multi Purpose Tree
NABARD	National Agricultural Bank for Agriculture and Rural Development
NAEB	National Afforestation and Eco-development Board
NFLIC	National Forest Library and Information Centre
NFT	Nitrogen Fixing Trees
NGO	Non-Governmental Organization
NMBA	National Mission on Bamboo Applications
NMPB	National Medicinal Plants Board
NMR	Nuclear Magnetic Resonance
NOVOD	National Oilseed and Vegetable Oil Development
NRDC	National Research Development Corporation
NRSA	National Remote Sensing Agency
NTFP	Non Timber Forest Product
NWFP	Non-Wood Forest Produce
PCR	Polymerase Chain Reaction
PFM	Participatory Forest Management
PGD	Post Graduate Diploma
PSB	Phosphate Solubilizing Bacteria
PSIP	Planting Stock Improvement Programme
PT	Progeny Trial



PTG	Primitive Tribe Groups
RAPD	Randomly Amplified Polymorphic DNA
RBD	Randomized Block Design
RCBD	Randomized Complete Block Design
RDBMS	Research Data Base Management System
RFRI	Rain Forest Research Institute
SFD	State Forest Department
SHG	Self Help Groups
SP	Self Pruning
SPA	Seed Production Area
SPM	Suspended Particulate Matter
SRF	Senior Research Fellow
SSO	Seedling Seed Orchard
SSPA	Seedling Seed Production Area
TEM	Transmission Electron Microscope
TFRI	Tropical Forest Research Institute
TKP	Tamarind Kernel Powder
TLC	Thin Layer Chromatography
TNFD	Tamil Nadu Forest Department
UNFCCC	United Nations Framework Convention on Climate Change
USDA	United States Department of Agriculture
UV	Ultra Violet
VAM	Vascular Arbuscular Mycorrhiza
VMG	Vegetative Multiple Garden
WAN	Wide Area Network