FOREST RESEARCH INSTITUTE DEEMED TO BE UNIVERSITY
M.Sc. WOOD SCIENCE & TECHNOLOGY MASTER'S THESIS TITLE 2022-2024

Sl. No.	Name of the Student	Topic
1	Abishek Padhy	VACCUM DRYING STUDIES ON *Dendrocalamus strictus* AND *Bambusa bambos*
2	Triratna Prakash	SOLAR KILN DRYING STUDIES OF *Bambusa nutans* AND *Bambusa tulda*
3	Kanishk Chauhan	ESTIMATION OF STIFFNESS OF WOOD USING NON DESTRUCTIVE ULTRASONIC STRESS WAVE METHOD : IMPACT OF MOISTURE CONTENT AND DENSITY ON WAVE VELOCITY TRAVERSING THROUGH WOOD
4	Rutvik Pareshwar Thomare	STRENGTH EVALUATION OF BAMBOO POLES USING FOUR POINT BENDING METHOD: STUDY ON IMPACT OF GEOMETRY AND ADOPTED METHOD ON MECHANICAL PROPERTIES
5	Shravya P	POTENTIAL USE OF MICRO WOLLASTONITE AS AN EXTENDER IN UF - BASED PARTICLE BOARD PREPARED FROM *Eucalyptus grandis*
6	Sanketh K V	POTENTIAL USE OF MICRO WOLLASTONITE AS AN EXTENDER IN UF-BASED PARTICLE BOARD MADE BY MELIA DUBIA
7	Aditya Pratap Singh	EFFECT OF ADDITION OF NANO SIO2 AND GRAPHITE TO UREAFORMALDEHYDE RESIN ON THE MECHANICAL AND PHYSICAL PROPERTIES OF BAMBOO FIBRE BOARD
8	Rakesh Bhosale	EFFECT OF ADDITION OF SIO_2 AND GRAPHITE TO PHENOL FORMALDEHYDE RESIN ON THE MECHANICAL AND PHYSICAL PROPERTIES OF PLYWOOD
9	Aridhima Bhapta	EFFICACY EVALUATION OF *Eucalyptus globulus* L. ESSENTIAL OIL AGAINST WOOD DECAYING FUNGI (*Pycnoporus sanguineus, Poria monticola*) AND STAINING FUNGUS (*Alternaria alternata*) THROUGH FUMIGATION OF *Picea smithiana*
10	Diana Moirangthem	EFFICACY E VALUATION OF *Thymus vulgaris* ESSENTIAL OIL AGAINST WOOD DECAYING (*Pycnoporus sanguineus, Poria Monticola*) AND WOOD STAINING (*Alternaria alternata*) FUNGI IN *Mangifera indica* THROUGH FUMIGATION
11	Sangeetha Aleti	EFFECT OFMICROWAVE PRE-TREATMENT ON PRESERVATIVE RETENTION, TREATABILITY, MECHANICAL STRENGTH, SURFACE PROFILE AND BIOLOGICAL DURABILITY OF *Mangifera indica* AND *Picea abies*
12	Prince Thakur	EFFICACY EVALUATION OF *Murraya koeingi* LEAF EXTRACT AGAINST

		WHITE ROT FUNGI *Pycnoporus sanguineus* ON *Dendrocalamus somedevai*
13	Varun R	EFFICACY EVALUATION OF AGERATINA ADENOPHORA LEAF EXTRACT AGAINST BROWN ROT FUNGI (GLOEOPHYLLUM STRIATUM) OF *Dendrocalamus Strictus*
14	Katkeri Priyanka	EFFECT OF THERMAL MODIFICATION ON PHYSICAL AND MECHANICAL PROPERTIES OF *Melia composita* AND *Pinus roxburghii*
15	Mayanglambam Karnajit Singh	EVALUATION OF LEACHING BEHAVIOR AND FIRE RETARDANCY PROPERTY OF MODIFIED BORON-BASED PRESERVATIVE ON *Bambusa tulda*
16	Namgil Negi	TESTING OF LEACHING AND FIRE RETARDANCY PROPERTY OF BORON BASED PRESERVATIVES ON *Bambusa nutans*
17	Ryan Arambam	INFLUENCE OF ADDITION OF 3% NANO-SIO_2 AND 3% NANO-ZNO TO UREA FORMALDEHYDE RESIN ON FORMALDEHYDE CONTENT AND MYCOLOGICAL PROPERTIES OF MEDIUM DENSITY FIBREBOARD OF *Melia dubia*
18	Shivam Kaushal	INFLUENCE OF ADDITION OF (1% AND 2%) NANO- ZnO TO UREA FORMALDEHYDE RESIN ON MECHANICAL PROPERTIES, FORMALDEHYDE CONTENT AND MYCOLOGICAL PROPERTIES OF MEDIUM DENSITY FIBREBOARD OF *Melia dubia*
19	Abhinay Jaswal	EXPERIMENTAL EVALUATION OF ABRASION RESISTANCE OF TWO COMMERCIAL HARDWOODS COATED WITH DIFFERENT ORGANIC COATINGS
20	Sachin Lamba	SURFACE PROPERTIES EVALUATION OF TWO COMMERCIAL HARDWOODS WITH VARIOUS COATING APPLICATION
21	Dashrath Kumar	SURFACE MODIFICATION OF MANGO WOOD USING DIFFERENT BLEACHING TREATMENT
22	Sabad K	EXPLORATION OF ARECA CATECHU DERIVED DYE FOR WOOD SURFACE APPLICATION
23	Ayekpam Pareihanba Meetei	DESIGN & MECHANICAL PERFORMANCE OF L-TYPE MORTISE AND TENON JOINT, PRE-REINFORCED WITH BAMBOO SCRIMBER PLATES.
24	Sejal Thakur	EFFECT OF THERMAL MODIFICATION ON THE CHEMICAL CONSTITUENTS OF *Pinus roxburghii* Sarg. and *Melia composita*
25	Nikhil Baghel	EFFECT OF MICROWAVE MODIFICATION ON *Melia composita* FOR NANO ZNO IMPREGNATION FOR DURABILITY ENHANCEMENT

26	Adarsh Sharma	EXPERIMENTAL EVALUATION OF THE DOWEL BEARING STRENGTH OF TWO COMMERCIAL HARDWOODS
27	Tamanna Kumari	FURFURYLATION OF *Thyrsostachys oliveri* FOR IMPROVEMENT IN PHYSICAL PROPERTIES, WATER AND BIOLOGICAL RESISTANCE
28	Chepuri Anvesh	INFLUENCE OF PRESSING TIME OF HOTPRESS ON THE PROPERTIES OF PARALLEL STRAND LUMBER (PSL) DEVELOPED FROM POPLAR (*Populus deltoides*) VENEER WASTE USING PHENOL FORMALDEHYDE ADHESIVE
29	Penchala Supraja	INFLUENCE OF PRESS PRESSURE ON THE PROPERTIES OF PARALLEL STRAND LUMBER (PSL) DEVELOPED FROM POPLAR (*Populus deltoides*) VENEER WASTE USING PHENOL FORMALDEHYDE ADHESIVE
30	Komuravelley Vaishnavi	INFLUENCE OF PHENOL FORMALDEHYDE RESIN CONTENT ON THE PROPERTIES OF PARALLEL STRAND LUMBER DEVELOPED FROM POPLAR (*Populus deltoides*) VENEER WASTE.
31	Arya Modak	COMPARATIVE STUDY ON FIRE RETARDANT TREATMENTS OF BAMBOO FIBRE BOARD FROM *Bambusa nutans*
32	Deepak Kumar	EVALUATION OF ZIBOC AND CCB PRESERVATIVES FOR MITIGATING BROWN ROT AND SAP STAIN IN *Pinus roxburghii* AND EUCALYPTUS SPP TOWARDS ENHANCED WOOD DURABILITY AND ECO- FRIENDLY PRESERVATION
33	Sparsh Verma	EFFECT OF MICROWAVE MODIFICATION ON ANATOMICAL MICROSTRUCTURE AND PRESERVATIVE RETENTION OF *Bambusa tulda* and *Bambusa nutans*
34	Abhishek Suryawanshi	STUDY OF VARIATION IN ANATOMICAL STRUCTURES AND MECHANICAL PROPERTIES IN *Eucalyptus camaldulensis* AND EUCALYPTUS HYBRID FRI- 5: A COMPARATIVE ANALYSIS
35	Manasa H.P.	REINFORCED BAMBOO END JOINTS FOR STRUCTURAL UTILIZATION OF *Bambusa membraneacea*
36	Shreyas V	STUDY ON PHYSICAL AND MECHANICAL PROPERTIES OF CROSS LAMINATED TIMBER MADE OF *Populus deltoides*
37	K.S. Krishne Gowda	DESIGN AND FABRICATION OF LASER DISTANCE METER-BASED CALLIPER FOR LINEAR MEASUREMENTS IN TREES
38	Soumya Ranjan Sethi	CHEMICAL ANALYSIS OF MICROWAVE-MODIFIED NORWAY SPRUCE (*Picea abies* (L.) KARST AND MANGO (*Mangifera indica*) WOOD