

Topics of Master's Thesis of M.Sc. Wood Science & Technology IV semester (2024-2026 Batch)

Sl. No.	Student Name	Topic
1	Abhishek Sharma	
2	Abhishek Tomar	COMPARATIVE ACCOUNT OF DIFFERENT WOOD ANATOMICAL QUANTITATIVE, QUALITATIVE AND FIBRE MORPHOLOGICAL FEATURES OF <i>Dalbergia latifolia</i> FOR DIFFERENT AGE GROUPS OF PLANTATION TIMBER
3	Ankit Chaudhary	CORRELATION BETWEEN ANATOMICAL PROPERTIES AND MECHANICAL PROPERTIES OF SELECTED SOFTWOOD SPECIES
4	Ankit Kumar	ISOLATION OF DETERIORATING FUNGI FROM <i>Dendrocalamus strictus</i> (ROXB.) NEES AND IN VITRO ASSESSMENT OF A HYDROPHOBIC BARRIER PRESERVATIVE FORMULATION AGAINST <i>Aspergillus niger</i> VAN TIEGHEM AND <i>PENICILLIUM</i> SPP.
5	Ashish Kaundal	PERFORMANCE EVALUATION OF PF-BONDED PLYWOOD INCORPORATED WITH DIATOMACEOUS EARTH POWDER
6	Bhadresh H H	PREPARATION OF CELLULOSE NANOFIBRILS USING MECHANICAL DISINTEGRATION FROM EUCALYPTUS SAW DUST VIA GREEN CHEMICAL PRETREATMENT
7	Dhiraj Shelar	STUDY ON EFFECT OF DEFECT ON ULTRASONIC WAVE PROPAGATION IN WOOD
8	Guruvesh Durgoli	EVALUATION OF ENERGY ABSORPTION OF BAMBOO CULM UNDER IMPACT LOAD
9	Huathailiu Gangmei	TO EVALUATE THE EFFECT OF DANISH OIL, BEESWAX AND COPPER NANOPARTICLE BASED TREATMENTS ON THE PERFORMANCE OF <i>Populous deltoides</i> WOOD

10	Kanchan Badhan	STUDY ON ADVANCED DRYING STRATEGY FOR MANGO WOOD: COMBINING MICROWAVE PRETREATMENT AND HIGH TEMPERATURE DRYING TECHNIQUES
11	KavatiVarunTeja	EFFECT OF MICROWAVE PRE-TREATMENT ON PRESERVATIVE RETENTION, TREATABILITY, MECHANICAL PROPERTIES AND SURFACE PROFILE OF <i>Melia composita</i>
12	Kokkerala Vishnuvardhan Rao	CITRIC ACID MODIFICATION OF <i>Populus deltoides</i> AT VARIABLE CURING TEMPERATURES: INFLUENCE ON DIMENSIONAL STABILITY, MECHANICAL PROPERTIES AND DURABILITY
13	Manjima M	DEVELOPMENT AND PERFORMANCE EVALUATION OF CASTOR OIL BASED POLYURETHANE PREPOLYMER FOR WOOD COATING APPLICATIONS
14	Mridul Bharmera	EFFECT OF AMMONIA FUMIGATION ON COLOR AND CHEMICAL CHARACTERISTICS OF SOFTWOOD AND HARDWOOD SPECIES TREATED WITH TANNIN EXTRACT OF <i>Terminalia arjuna</i>
15	Mridul Thakur	EFFECT OF SURFACE TREATMENTS ON COLOUR AND FINISHING PROPERTIES OF POLYURETHANE COATED <i>Mangifera indica</i> WOOD UNDER SUNLIGHT EXPOSURE
16	Namrata Mahantesh Kolli	DEVELOPMENT OF MONTMORRILLONITE- ARECA NUT DYE HYBRID NANO-PIGMENT FOR WOOD COATING APPLICATIONS
17	Nandan N	STUDY ON USE OF ULTRASONIC WAVES IN HOLE DETECTION CAPABILITY IN WOOD
18	Nithya S R	STUDY ON THE DEVELOPMENT AND STRUCTURAL APPLICATION OF MECHANICAL BAMBOO JOINTS
19	Nitish Kumar	EVALUATION OF QUANTITATIVE AXIAL ANATOMICAL VARIATIONS IN <i>Pinus roxburghii</i> SARG. AND ITS IMPLICATIONS ON PULP AND PAPER

20	Pragati Thakur	PHYSICAL AND MECHANICAL PERFORMANCE OF HYBRID PARTICLE BOARD WITH VENEER CORE
21	Pranay Sharma	EVALUATION OF ANTIFUNGAL ACTIVITY OF A LINSEED OIL-BEESWAX-THYMOL FORMULATION AGAINST ASPERGILLUS NIGER VAN TIEGHEM AND <i>Penicillium spp.</i> BY POISONED FOOD TECHNIQUE
22	Preethi Sonajoke	EVALUATION OF TENSILE AND FLEXURAL STRENGTH OF BAMBOO: A STUDY ON CORRELATION OF MECHANICAL PROPERTIES WITH ULTRASONIC STRESS WAVES
23	Priyanka Babu Bagewadi	NOVEL SUSTAINABLE HYBRID ENGINEERED BOARD COMBINING PARTICLE-FIBRE AND VENEER CORE
24	Raksha P Gowda	OPTIMIZATION, CHARACTERIZATION AND WOOD COATING APPLICATION OF NATURAL DYE EXTRACTED FROM IMMATURE ARECA NUT
25	Ramjash Gugar	CORRELATION BETWEEN ANATOMICAL AND MECHANICAL PROPERTIES OF SELECTED HARDWOOD SPECIES
26	Rinchen Khando	DEEP FREEZING PRETREATMENT AND VACUUM DRYING STUDIES ON <i>Dendrocalamus strictus</i>
27	Rizat RSM	TO STUDY THE EFFECT OF FURFURYLATION ON THE PHYSICAL AND MECHANICAL PROPERTIES OF <i>Bambusa nutans</i>
28	Rohit Kumar Vishwakarma	DEVELOPMENT OF LONG NATURAL FIBER COMPOSITE BY USING JUTE WITH PHENOL FORMALDEHYDE RESIN
29	Rohith C N	INFLUENCE OF VENEER CORE INTERLAYERING ON THE PHYSICAL AND MECHANICAL PERFORMANCE OF FIBREBOARD

30	Sahil Sharma	FLEXURAL STRENGTH EVALUATION OF EUCALYPTUS POLES USING THREE POINT AND FOUR POINT BENDING METHODS: A STUDY ON CORRELATION OF DESTRUCTIVE AND NON DESTRUCTIVE METHODS OF STRENGTH EVALUATION
31	Sakshi	POTENTIAL USE OF KEMOLIT AS A FILLER IN UF-BASED PLYWOOD MADE FROM <i>Populus deltoides</i>
32	Sakshi Sharma	TO EVALUATE THE EFFICACY OF BIO BASED PRESERVATIVE FORMULATION CONTAINING NATURAL COMPOUNDS AND NANOPARTICLES ON THE PROPERTIES OF <i>Mangifera indica</i> L. WOOD
33	Shashank Suman	CORRELATING WOOD ANATOMICAL ATTRIBUTES WITH KEY MECHANICAL PROPERTIES OF TWENTY SELECTED HARDWOOD TIMBER SPECIES
34	Shubham Dhanavade	EVALUATION OF IMPACT RESISTANCE AND IMPACT ENERGY AT FAILURE OF BAMBOO USING THE DROP WEIGHT TEST
35	Simran Sagroli	IMPACT STRENGTH ASSESSMENT OF BAMBOO USING PENDULUM IMPACT METHOD: A STUDY ON ANISOTROPICITY OF BAMBOO.
36	Simran Thakur	ENHANCING DRYING EFFICIENCY OF MANGO WOOD THROUGH MICROWAVE PRETREATMENT AND DRYING AT 100°C
37	T Mani Deepak Goud	IMPACT OF APPLIED STRESS ON ULTRASONIC WAVE PROPAGATION THROUGH WOOD
38	Tanisha	EFFECT OF POLYETHYLENE GLYCOL (PEG) PRE-TREATMENT ON THE HIGH TEMPERATURE DRYING OF BAMBOO
39	Thirumalesha B	TENSILE STRENGTH EVALUATION OF BAMBOO : A COMPREHENSIVE STUDY ON DIFFERENT TESTING METHODOLOGIES

40	Tushar Choudhary	MANUFACTURING AND EVALUATION OF PLYWOOD USING KEMOLIT MODIFIED PHENOL FORMALDEHYDE RESIN
41	Vishakha Sapkal	STUDY ON THE IMPACT OF FULL LONGITUDINAL CRACK ON FLEXURAL PROPERTIES OF BAMBOO CULM
42	Yatesh	OLEO-THERMAL MODIFICATION OF <i>Mangifera indica</i> WOOD USING WASTE SOYBEAN OIL: EVALUATION OF PHYSICAL AND MECHANICAL PROPERTIES
43	Yara Satwika	EFFECT OF THERMAL MODIFICATION ON THE PHYSICAL, MECHANICAL, AND BIOLOGICAL PROPERTIES OF <i>Picea abies</i> (L.) H. Karst

(Purushottam Kumar)
 Programme Coordinator (M.Sc. WST)
 FRIDU