

**FOREST RESEARCH INSTITUTE DEEMED TO BE UNIVERSITY**  
**M.Sc. WOOD SCIENCE & TECHNOLOGY MASTER'S THESIS TITLE 2014-2016**

Sl. No.	Name of Student	Title of the Thesis
1	Sauradipta Ganguly	Drying studies on Pleiogynium cerasiferum and Ailanthus excelsa in a modified solar Kiln
2	Arushi Chauhan	Performance of Bamboo Truss jointed with structural grade Ply Gusset plate Vs. Traditional Bamboo Truss
3	Sanjay Gorai	Effect of heat treatment on physical and mechanical Properties of Mango (Mangifera Indica) Wood
4	Triveni Soubam	Studies on water uptake and film forming behaviour of wood substrate simultaneously deposited with hygroscopic and hydrophobic precipitates
5	Sonia Panigrahi	Effect of Bleaching and Ammonia fumigation on Finish property of Poly urethane
6	Vilasrao Pawar	Observation on the effect of Direction of Load on Compressive strength
7	Laskar T chavan	Study on the effect of slenderness Ratio on compressive strength
8	Sonam Droima	Estimation of Dynamic Modulus of Elasticity in Bending
9	Jhankar Bhide	Studies on Glue Shear Strength of Melia Azedarach
10	Amar Sahu	The Compression Test on the Lap Joints
11	Ramswaroop Dhakar	Role of cross section area in water absorption and Dimensional changes of siris wood samples
12	Purushottam Kumar	Vacuum Drying studies on cassia Javanica and Leucaena Leucocephala
13	Aswath I Hegde	Fire Retardant Treatment of Bamboosa nutans with Different fire retardant chemicals
14	Chetan Udoji	Performance Evaluation of fire retardants for Bamboosa polymorpha
15	Imranbeg Mulla	Fire proofing of plywood with different fire retardant chemicals
16	Sharat M. Aiholi	Microwave treatment to improve the treatability and retention of red meranti with CCA, BBA and ZiBoc preservatives
17	Sachin Santoshkumar Kembavi	Microwave treatment to improve the treatability and retention of white meranti with CCA BBA and ZiBoc preservatives
18	Lokesh Chavan	Influence of addition of nanoclay to urea formaldehyde resin on properties of particle board of Melia composita
19	Simon Das	Drying studies on Cassia Javanica & Leucaenaleucocephala Timber in Dehumidification Kiln
20	Akshaydeep Varshney	Performance of Bamboo Truss jointed with Ms Flat vs. Traditional Bamboo Truss
21	Ajit Kumar	Bending studies on Finger joints from mixed species

22	Ajeet Kumar Mishra	Study of Longitudinal Permeability variations in Melia composita Willd. Progenies
23	Susanta Kumar Jena	Development of Laboratory scale prototype of a solar heated convection based vacuum dryer
24	Kelkar Bhushan Uday	Determination of Physical and drying properties of 31 Progenies of Melia Composita willd and development of a kiln drying schedule
25	Bidya Sagar	Suitability of medium density particle board from bamboo and rice husk
26	Sadashiva K.R	Study on the effect of pressure on the properties of particle board from Bambusa polymorpha using UF
27	Rakesh Hemmareddi Anaweri	Study on the effect of pressure on the properties of particle board from Dendrocalamus strictus using UF
28	Mallapa Sangappa Meti	Suitability of different bamboos for particle board bonded with UF
29	Sandeep Kumar	Particle board from Eucalyptus hybrid by using partial replacement of Phenol with black liquor
30	Harikiran V. Bhat	Preparation of particle board from Bagsasse and bamboo using modified Resin
31	Prajnya Paramita Deep	Retention in Pinus radiata D.Don using diffusion and Full cell treatment method using 4% BBA (Borax Boric Acid)
32	Subhrajit Ghosh	A review of Global Forest Certification systems and their necessity in India
33	Aishwarya Gobbur	Preparation of Particle Board from Melia composite using wax emulsion”
34.	Priya Nagraik	Chemical seasoning of Dendrocalamus Giganteus & Dendrocalamus Longispathus

**M.Sc. WOOD SCIENCE & TECHNOLOGY MASTER'S THESIS TITLE 2015-2017**

Sl. No.	Student Name	Title of the Thesis
1	Aditya Ranjan	Analysis of Physical and Mechanical Properties of Particle Board from Venners Waste of Poplar With Modified Resin
2	Ajan T Lotha	Determination of anti-fungal activity of Cedrus deodara oil against <i>oligoporus placentus</i> , <i>Trametes versicolor</i> and <i>xylaria acuminata</i> on <i>Populus deltoides</i> samples
3	Anil Kumar Choudhary	Finishing studies with Nano Silica added Polyurethane
4	Gokia Roman	The effect of addition of Nano-SiO <sub>2</sub> to Urea formaldehyde on the physical properties and fire retardancy of the particle board of <i>Populus deltoides</i>
5	Gurprit Singh	Properties of oriented strand board using <i>Melia Dubia</i>
6	Harsh Vardhan Singh	-
7	Heena Thakur	Efficacy of preservatives against sapstain fungi on <i>Pinus radiata</i> and <i>Bombax ceiba</i>
8	Jinkumoni Gogoi	Physical and mechanical properties of particle board made from <i>Melia composita</i> and Rice husk using phenol formaldehyde resin
9	Koushik Dalavi	
10	Krishna Kant Shukla	Preliminary attempts to make transparent sheet of wood by delignification of <i>Populus deltoides</i>
11	Kuldeep Malav	Relationship between specific gravity and mechanical properties of Timber
12	Ngubom Haji	Study on the performance of water based and organic solvent based polyurethane wood coatings on <i>Melia composita</i>
13	P.M.Swamy	Effects of fire retardant and preservative composition on plywood
14	Pooja Ramola	Comparative studies on physical and wood working properties of <i>Mangifera indica</i> and two progenies of <i>Melia composita</i>
15	Preetika Sharma	Study on Varied Ratio of Fiber and Particle on the Properties of Hybrid Board
16	Prince	Formulation of threshold concentration of eucalyptus oil through petri plate bioassay against the fungi: <i>Trametes versicolor</i> , <i>xylaria acuminata</i> and <i>Oligoporus placentus</i>
17	Rahul K	Bending test for timber-comparison of flexural strength in three and four point bending
18	Rohit Naryal	Evaluation of different treatments on the performance of fire retardant treated plywood
19	Saurabh Sharma	Suitability of medium density particle board from <i>Acacia catechu</i> (Khair)
20	Shalini Sharma	Influence of addition of Nanosilica to Urea Formaldehyde resin on Mechanical properties of particle board of <i>Populus deltoides</i> .
21	Shashi Kumkar R	Determination of fire resistance for treated plywood
22	Sneh Raj yadav	Effect of Nanoclay on reduction of pressing time and improvement of physical and mechanical properties of plywood
23	Suman Parihar	Comparative study on physical, anatomical, sawmilling and mechanical properties of two progenies of <i>Melia composita</i>
24	Sumanta Das	Suitability of particle board from <i>Melia composita</i> with replacement of Phenol with Black Liquor
25	Supriya Soni	Comparative studies on drying, preservation properties and natural durability of <i>Mangifera indica</i> and two progenies of <i>Melia composita</i> .
26	Suraj Kumar	Suitability of medium density particle board from <i>Acacia Catechu</i> & <i>Melia Dubia</i>

27	Vishal Sood	Suitability of medium density particleboard from bamboo and Melia
28	Yajuvinder Singh	An approach towards achieving transparency in veneer sheets of <i>Melia composita</i> by process of delignification
29	Yogesh Singh	Efficacy evaluation of Neem oil against wood and bamboo decaying fungi: <i>Trametes versicolor</i> , <i>Oligoporus placetus</i> and <i>xylaria accuminata</i>
30	Neilazotuo Solo	Efficacy evaluation of Neem oil against fungitrametes versicolor, <i>Xylaria acuminata</i> and <i>Oligoporus placnetus</i> on <i>Bambusa nutans</i>
31	Dhruvo Kumar Hegde	Effect of addition of nanoclay to urea formaldehyde on the mechanical properties of the plywood of <i>Melia composita</i>
32	Karthik R Surapura	Observation on the Effect of Direction of Load on Bending Strength
33	Mukesh Kumar	Effects of fire retardants on plywood prepared from urea Formaldehyde & Phenol Formaldehyde resin
34	Bharathraj M.A.	Preparation of particle board from Melia & Poplar using Phenol Formaldehyde Resin
35	Vijay Singh	Studies on the fusion of Nano silica and polyvinylacetate in finger joint section
36	Basavaraj Jodhalli	Comparative study on Adhesion of Different Coatings

**M.Sc. WOOD SCIENCE & TECHNOLOGY MASTER'S THESIS TITLE 2016-2018**

Sl. No.	Student Name	Title of the thesis
1	Alok Bhandari	Study on Bamboo joint lashing by natural Fibres
2	Anamika	Screening of <i>Pongamia pinnata</i> seed oil against sapstain and mold in imported <i>Tectona grandis</i> and southern yellow pine through fumigation
3	Arijit Bhattacharjee	Effect of thermal modification on physical properties and dynamic modulus of elasticity of <i>Dendrocalamus Brandisii</i>
4	Arushi Jain	Studies on Ultraviolet Blocking and Moisture Resistant Properties of Water Borne Polyurethane Wood Coatings With Role Of Nanotechnology in Their Improvement
5	Asha Ram Nagar	Feasibility Studies on Finger Jointing of Plywood
6	Atul Kumar	Effect of Nano Clay on formaldehyde emission from the particle boards of <i>Melia azedarach</i>
7	Chavan Anmol Atmaram	Development of particle board using Radio frequency curing technique
8	Chiranjivi K	Thermal modification of <i>Populus deltoides</i> and Evaluation of its properties
9	Eti Malhotra	Exploratory work on preparation of preservative wood coating to prevent the deposition of mould on the surface of <i>Melia dubia</i>
10	Geethanjali G	Mechanical strength properties of bamboo reinforced with natural fibres
11	Gunjan Chauhan	Quality assessment of <i>Corymbia</i> hybrid wood as alternative furniture and joinery timber
12	Hitanshi Angrish	Altitudinal variation in <i>Quercus leucotrichophora</i> in northern and southern aspect
13	Imozulu Longkumer	Determination of anti-fungal activity of <i>Eupatorium adenophorum</i> Spreng. Extractives against <i>Oligoporous placentus</i> and <i>Trametes versicolor</i> through petriplate bioassay
14	Kamble Shivendra Sachin	Influence of addition of nanozinc oxide to urea formaldehyde resin on mechanical properties of particle board of <i>Melia azedarach</i>
15	Kunchok Namgyal Sherpa	Comparative study on the static bending properties of clear and finger-jointed wood cut along and perpendicular to its grain
16	Lydia Wanth	Study on drying behavior of <i>Pinus roxburghii</i> in solar Kiln
17	Mandape Aniket Shashikant	Role of Nano-Clay in fire efficacy properties of the particle boards from <i>Melia azedarach</i>
18	Mhatre Mayur Ravindra	Development of Medium Density Fibreboard using Radio frequency curing techniques
19	Neelam Negi	Rice straw- An alternative Raw material for medium density fibre board
20	Nidhi Choudhary	Efficacy evaluation of threshold concentration of <i>Lantana camara L.</i> Extract against wood decaying fungi: <i>Trametes hirsuta</i> & <i>Glaeophyllum trabeum</i>
21	Prabhuta Verma	Studies on Thermo-Chemo- Mechanical densification of wood of <i>Melia dubia Cav.</i>
22	Priya Bisht	Exploratory Studies On Solar Vacuum Drying Assisted With A New Design Thermal Energy Storage System
23	Priya Tiwari	Screening of <i>Azadirachta indica</i> seed oil against sapstain and mold in imported <i>Tectona grandis</i> and Southern Yellow Pine through fumigation
24	Priyank Maithani	The microscopic defects in the bentwood of <i>Grevillea robusta</i>
25	Raghuveer Choudhary	A note on the radial variation of strength of natural grown <i>Mangifera Indica</i> (Mango)

26	Ramnaresh Ola	A note on variation of physical and mechanical properties from pith to periphery in plantation grown <i>Melia Spp.</i>
27	Richa Bansal	Preliminary attempts to make pressure impregnated bleached wood for value addition
28	Sarit Nandan Yadav	Study of dehumidification seasoning of <i>Chukrasia tabularis</i>
29	Sarvagya Pandey	Effects Of Adding Nanoclay on the performance of Urea Formaldehyde (UF) in Finger Joints of <i>Melia azedarach</i>
30	Shiwangi Dimri	The Anatomical study of Lianas collected from areas surrounding the Tonks river, Dehradun
31	Siddhartha Arya	Composite panel from local pine needle for earthquake resistant houses for rural people
32	Saurabh kumar	Preparation of rice straw particle board using urea formaldehyde adhesive
33	Sunil Singh Bhandari	Effect of Nano Zinc oxide on formaldehyde emission from the particle boards of <i>Melia azedarach</i>
34	Swarup Saha	Microwave treatment of imported <i>Tectona Grandis</i> to improve retention of Borax: Boric Acid and Ziboc preservatives
35	Rachel Imsong	Effect of Moisture content on the film thickness and gloss of polyurethane films on wood substrate

**M.Sc. WOOD SCIENCE & TECHNOLOGY MASTER'S THESIS TITLE 2017-2019**

Sl. No.	Name of the student	Title of the Thesis
1	Anjil Sharma	In-situ fumigation of Trimethyl Borate for wood preservation
2	Dheeraj Dasaya	Effect of different adhesives on the strength properties of Bamboo laminates
3	Diptikona Mondal	Study on vacuum kiln seasoning of <i>Melia azedarach</i>
4	Garima Joshi	Comparative study on the properties of vacuum Heat treated and oil heat treated wood
5	Jayant Chourasiya	Reconstituted wood (Scrimber) from destructured bamboo ( <i>Dendrocalamus Somdevai</i> ) for structural use
6	Jyothi Sree JS	Effect of adding Nano-clay on Formaldehyde Emission
7	Kanika Prajapati	Studies on anisotropic moisture sorption properties of wood coated with different finishes
8	Kevichulie Metha	Analysis of fire retardant property through TGA, DTG and flame retardant test on Bamboo laminates treated with various fire retardant chemical composition
9	Laqshika Patiyal	Analysis of variations in wood Microstructure of <i>Juglans regia</i> L.
10	Milan Bisht	Preparation and evaluation of strength parameters of bamboo floor boards prepared from strips of <i>Dendrocalamus giganteus</i>
11	Mohit Shukla	Effect of addition of nano-clay to urea formaldehyde on the physical and mechanical properties of the particle board of <i>Melia Azedarach</i>
12	Narayan Malgaya	Manufacturing of oriented strand board of bamboo ( <i>Dendrocalamus somdevai</i> )
13	Naveen Kumar C.K.	Efficiency of addition of nano-clay in the urea formaldehyde at different levels of concentrations is examined on the static bending parameters of finger jointed <i>Melia azedarach</i>
14	Nihal Basheer M.C	The effect of addition of Nano-SiO <sub>2</sub> to urea formaldehyde on the Physical properties and Mechanical properties of the particle board of <i>Melia Azedarach</i>
15	Nishtha Janpangi	Development of fibreboard using waste newspapers and lemon grass residue-an initiative to recycle the waste
16	Pankaj Barthwal	Evaluation of Polyurethane, Shellac and Mansion Wax Polish as coating materials in laminated bamboo sheets of <i>Dendrocalamus giganteus</i>
17	Premlata	Impact of surface roughness in wettability and coating adhesion
18	Priyanka Raut	Study on Dehumidification kiln seasoning of <i>Melia azedarach</i>
19	Rahul Rana	Anatomical wood variation in <i>Gmelina Arborea</i> along its natural distribution in the Indian subcontinent and it's potential for paper and pulp
20	Ritam Basu	A comparative analysis of Mechanical & Interfacial properties, weathering & Moisture uptake of Alkali and Dichromate Modified Fibres containing composites
21	Shubham Gangwar	Abrasion resistance studies on three wood coatings on the surface of <i>Melia azedarach</i>
22	Tek Chand	Effect of Cross Grain on strength of timber
23	Ubaid Kar	Study on drying behavior of <i>Melia azedarach</i> in solar kiln seasoning
24	Vandna Rana	Development of wood-bamboo mixed particle board using <i>Melia dubia</i> and <i>Bambusa polymorpha</i>
25	Vijay Patwariya	Development of Laminated bamboo lumber using <i>Dendrocalamus somdevai</i>
26	Vikas Ghildiyal	Effect of chemical pre-treatment on physical and mechanical properties of thermally modified wood
27	Zuhaib Ahmed shah	Comparative study of wood anatomical features in <i>Lagerstroemia Indica</i> L. and <i>Lagerstroemia speciosa</i> L.

28	Dushyant Kashyap	Evaluation of fire retardant property on bamboo laminates treated with different chemical composition
29	Isha Rawat	Improvement in bending strength of finger jointed sections of Bakain due to addition of Nanoclay in lower concentrations in thermosetting adhesive
30	Kamal Mishra	Compatibility of boric acid and silicic acid with phenol formaldehyde adhesive and its impact on mechanical properties of bamboo laminates
31	Navneet Singh Sirswal	Exploring the possibility of finger jointing in plywood using polyvinyl acetate glue
32	Prince Raj	Acoustic board made from distillery waste of lemon grass
33	Sachin Chauhan	Evaluation of physical and mechanical properties of medium density fibreboard of lemongrass
34	Shubham Chauhan	Effect of Span-Depth ratio on bending properties of particle board
35	Sourav Choudhury	Fibre (Jute and Banana) Reinforced epoxy composite: Effect of Alkali treatment
36	Subrata Pal	Bending and compressive strengths of laminated short beams of bamboo using two adhesives
37	Matpati Prithy P.	A Comparison of test results on large and small specimens for bending and compressive strength



**M.Sc. Wood Science & Technology Master's Thesis Title (2018-2020)**

Sl. No.	Name of student	Title of thesis
1	<u>Ayushi Negi</u>	Study on the effect of heat treatment on dimensional stability of spruce wood
2	<u>Astha Dwivedi</u>	Effect of High Temperature Steam Treatment and Polyethylene Glycol 1000 Bulking on Drying Properties of Bamboo”
3	<u>Ankita Semwal</u>	Efficacy evaluation of neem oil and Pongamia pinnata oil against fungi Alternaria alternata, Aspergillus niger, Penicillium spp. On Melia dubia”
4	<u>Akshaya R</u>	Study on the Effect of White rot on Modified wood of Melia dubia through Thermo-Hygro-Modification”
5	<u>Abhishek Thakur</u>	Efficacy assessment of Thermo hygro mechanical modification against Mold in Melia dubia wood”
6	<u>Biswajit Debnath</u>	Development of leach resistant modified boron based wood preservatives for wood protection in exterior use
7	<u>Bimalendu Debbarma</u>	Effect of microwave pre-treatment on preservative retention of BBA (6%) and affect on strength properties in Picea abies and Melia composita”
8	<u>Divanshu Kaushal</u>	Effect of span depth ratio on the bending properties of plywood”
9	<u>Deepak Kumar Sharma</u>	Decay Detection/health Assessment of standing Tree of Rajpur Road In Dehradun using Ultrasonic Testing Technique”
10	<u>G Lakshmi Narayana</u>	Effects of nano silicon dioxide of physical and mechanical properties of particle board of melia azedarach
11	<u>Himanshu Rana</u>	To study the effect of fire retardant chemicals on the physical and mechanical properties of the particle board of Paper Mulberry”
12	<u>Harendra Yadav</u>	Effect of steam quenching on mechanical properties of poplar wood”
13	<u>Heshay Zangmo Lagzomji</u>	Manufacture and properties of particle board made from paper mulberry through hot platen press and radio frequency curing”
14	<u>Hemant Negi</u>	Static Bending Studies on Finger Jointed sections of Eucalyptus hybrid with addition of Nano-clay in two Low concentrations in PVAc adhesive”
15	<u>Joydeep Ghosh</u>	Evaluation of retention of wood preservatives and estimation of its leachability on thermo-hygro-mechanical modified melia dubia wood
16	<u>Jyoti Papola</u>	Effect of Preservatives on surface coatings of Melia dubia”
17	<u>Ketan Sharma</u>	The effect of addition of nano-ZnO to urea formaldehyde on the physical properties and mechanical properties of the particle board of Melia Azederach”
18	<u>Kamini</u>	Study on effect of brown rotfungus: oligoporous placenta on modified wood of melia dubia through thm modification ”
19	<u>Mrinal Pant</u>	Exploratory study on prevention of mould deposition onto the surface of bamboo(dendrocalamusstrictus ) during service life by using nano zno
20	<u>Monika</u>	Eeffect of pressure on performance properties of hemp particle board
21	<u>Nishant</u>	Studies on Finger Jointed sections of Eucalyptus hybrid with addition of Nano-clay in PVAc adhesive
22	<u>Kumbhar Suraj Popat</u>	Bending strenghts of laminated short beams of bamboo using polyvinyl chloride (pvac) with nano clay
23	<u>Priya Devi</u>	Effect of Nanoclay on physical and mechanical properties of particleboard of Meliacomposita”
24	<u>Puneet Thakur</u>	Thermo Gravimetric Analysis of nanoparticles with Urea-formaldehyde
25	<u>Rohit Sharma</u>	Reshaping of Low Girth Poles from Plantations for Value Addition

26	<u>Ruchi</u>	Preparation of Laminated Bamboo Beams Using PVAc Adhesive With And Without 3% Nanoclay Inclusion”
27	<u>Suraj Sharma</u>	Bending strength of eucalyptus hybrid finger joint with inclusion of nanoclay in urea formaldehyde resin
28	<u>Sumit Bhatt</u>	Formation of bamboo beams using pvac adhesive containing nanoclay
29	<u>Souvik Ray</u>	Study on efficacy of azadirachta indica seed oil for control of fungi on bamboo”
30	<u>Vipul Singh</u>	In-situ fumigation with trimethyl borate of imported piceaabies infected with a mixture of alternaria alternata(sap stain) and aspergillusniger(mold)”
31	<u>Sunandini</u>	SCREENING OF Pongamia pinnata SEED OIL AGAINST MOLD IN Bambusa polymorpha THROUGH FUMIGATION”
32	<u>Shubham Chaudhary</u>	Preparation of laminated bamboo beams using PVAc adhesive with 1% Nanoclay”
33	<u>Satish</u>	ROLE OF RESIN ON PROPERTIES OF AGRO PEANUT SHELL BOARD”
34	<u>Shamil Latheef</u>	Effect of Pressure on the Properties of Type II Compreg made from Combination of Poplar and Eucalyptus
35	<u>Usharani Sahu</u>	Estimation of chemical changes in wood due to high temperature steaming: use of near infrared spectroscopy”
36	<u>Zeerak Tamkeen</u>	Bending strength enhancement of finger joint of melia azedarach by inclusion of nanoclay into urea formaldehyde (uf) ”
37	<u>Zagade Ankita Atmaram</u>	Effect of boiling point conditions on moisture reduction in vacuum drying of wood.”
38	<u>LWin LWin Aung</u>	Studies on finger jointing of short sections of eucalyptus timber”
39	<u>Su Myint Than</u>	Comparative study on physical and mechanical properties of plywood produced from eucalyptus and poplar veneer”

**M.Sc. Wood Science & Technology Master's Thesis Title (2019-2021)**

Sl No.	Name of the students	Name of topic
1	Mayank Singh Thakur	Vacuum drying studies on <i>Pinus roxburgii</i>
2	Arushy Chaudhary	Drying studies on <i>Pinus roxburgii</i> In a modified solar kiln
3	Vishal Nivruti Lokhande	Study of effect on surface roughness of given wood species due to different grit sizes
4	Aniket Dhyaneshwar Bhujbal	Bending strength of <i>Eucalyptus hybrid</i> Finger joint with inclusion of nanoclay in pvac resin
5	Sahil Kumar	Performance evaluation of bamboo beams using pva adhesive with nano clay
6	Shivani	To study of bending strength properties of laminated bamboo beams
7	Simran Mulani	To study the measurement of colour on wood using different finishes
8	Meenal Dube	Microwave Treatment on Norway Spruce ( <i>Picea abies</i> ): Impact on Mechanical Properties, Surface Profile and Aesthetics of wood.
9	Subhranil Mahajan	Study on Protection and fastness of green colour of <i>Dendrocalamus strictus</i> treated with chromium-based reagents
10	Deepanker patel	Effect of steam quenching on mechanical properties of poplar wood
11	Mohd. Aslam	Effect of different intensities of microwave Treatment on preservative retention and finishing characteristics of norway spruce
12	Sushree Swagati Pradhan	Effect of different intensities of microwave Treatment on preservative retention and finishing characteristics of eucalyptus
13	Kompal Gupta	Comparative study between fire retardancy Achieved by non-pressure and pressure Treatment on sal ( <i>Shorea robusta</i> )
14	Chandrakanta Bankey	Comparison between the fire retardancy obtained by non-pressure and pressure treatment methods in hardwood <i>Hardwickia binnata</i>
15	Akanksha Sharma	Development of fire retardant particle boards of mixed lops and tops of Melia and Poplar
16	Abhilasha	Development of fire retardant particle boards of lops and tops of <i>Melia dubia</i>
17	Aakanksha Chawla	Fire retardant treatment of southern yellow pine with different chemical compositions
18	N Tejeshwar Murthy	Effect of fire retardant chemicals on glue shear strength of plywood
19	Paras Jhagta	Performance evaluation of fire retardant treatment on bamboo
20	Nitesh Raj	Effect of microwave pre-treatment on retention of 6% BBA preservative in wood specimens of <i>Picea abies</i>
21	Ayush Goonta	Effect on physical and mechanical properties of particle board of <i>Melia dubia</i> with addition of 3% zinc oxide nanoparticle in urea formaldehyde resin
22	Amit Kumar	The evaluation of physical properties and mechanical properties of the particle board of <i>Melia dubia</i> with addition of 2% of nano-zno to urea formaldehyde

23	Ghanshyam	The effect of addition of ZnO-nanoparticles to urea formaldehyde on the physical and mechanical properties of the particle board of <i>Melia dubia</i>
24	Priyanka Ghale	Effect of addition of nano-silica into Urea formaldehyde on the mechanical and the physical property of the particle Board of <i>Melia dubia</i>
25	Nitish Bhatt	Effect of nano zinc oxide on formaldehyde Emission from the particle boards of <i>Melia Dubia</i>
26	Nandini Walia	Microwave assisted resin impregnation of wood for improvement in dimensional stability
27	Mewada Thamoung	Using microwave induced plasma for improvement in wood surface hydrophobicity
28	Pranav Aditya Kanwar	A test to achieve a relation between strengths of dowel laminated beam, glue laminated beam and solid wood beam by tensile strength test.
29	Manjri Somal	Evaluation of Mold Resistance in Hydro-thermally treated Poplar wood
30	Anandu R.	Analysis of mechanical and anatomical properties of two bamboo species - <i>Thyrostachys siamensis</i> Gamble and <i>Dendrocalamus strictus</i> (Roxb.) Nees (Poaceae)
31	Sanmitra Dan	Thermal modification of <i>Lantana camara</i> for its value addition
32	Dishari Chatterjee	Photostability of wood coated with ZnO nanoparticles dispersed paraffin wax nanoemulsion
33	Rohit Singh	Study of impregnation modification of rubber wood with polyvinyl alcohol (PVA)
34	Rakesh Kumar Dhayal	Comparison of static and dynamic modulus of elasticity of spruce wood
35	Ankit Kumar Sharma	Decay Detection/Health Assesment Of Standing Tree of Shimla by Pass road in Dehradun using Ultrasonic Testing Technique

**MASTER'S THESIS TITLE OF M.Sc. WOOD SCIENCE & TECHNOLOGY 2020-2022 BATCH**

Sl No.	Name of student	Thesis Title
1	Aditya Chaudhary	Study of impact on mechanical properties of Melia dubia at different drying stages during kiln drying.
2	Akshay Kumar	Effect of fire- retardant chemicals on properties of particle board
3	Amisha Chauhan	Testing the efficacy of Pongamia oil against wood decaying fungi <i>Oligoporus placentus</i> and <i>trametes versicolor</i>
4	Aniza Sherpa	Colour and finishing studies on ziboc preservative treated melia dubia wood .
5	Anshul Pawar	Manufacturing of particle boards by using radio frequency curing technique
6	Arsh Sood	Study on bending strength properties of laminated short bamboo beams of <i>Dendrocalamus strictus</i> (Roxb.) using PVA adhesive and different nano-clay loadings
7	Ashutosh Pathak	Studies on strength properties of finger jointed sections of Eucalyptus hybrid with and without addition of nano clay in PVAC adhesive
8	Ch. Saiteja	Effect of vacuum kiln seasoning on Mangifera indica wood
9	Chumdemo Patton	Evaluation of dynamic modulus of elasticity on standing tree of <i>Pinus roxburghii</i> by ultrasonic wave method and compares it with static modulus of elasticity
10	Deepak Rana	Thesis title is Testing the efficacy of Neem Seed Oil against wood decaying fungi: <i>Oligoporus placentus</i> and <i>Trametes vericolor</i> on PDA media through Petri plate Bioassay
11	Hans Raj Thakur	Testing the efficacy of <i>Pongamia pinnata</i> seed oil against wood decaying fungi: <i>Poria monticola</i> and <i>Pycnoporus sanguineus</i> through petri plate bioassay and wood block bioassay.
12	Hiremath Samarth	Study on bending strength properties of laminated short bamboo beams of <i>Dendrocalamus somdevai</i> using PVA adhesive and different nano-clay loadings
13	Jasbir Singh	Impact of microwawe treatment with varying intensities on surface roughness, bending strength and aesthetics of Norway spruce (pica abies) wood."
14	Kalyani Sood	Preparation of medium density fibre board using radio frequency curing technique
15	Kshama Koparde	Fire performance of Rubber wood ( <i>Hevea brasiliensis</i> ) treated with Furfuryl alcohol in combination with Fire retardants
16	Kumar Arunesh	Development of Reconstituted Deconstructed Bamboo Board Using <i>Bambusa tulda</i>
17	Langjingba RK	An Innovative Bamboo Joint: Use of Friction Induced Rotation Welding
18	Mansimran Kaur	Influence on physical and mechanical properties of MDF boards of <i>Melia dubia</i> using 2% Nano silica fillers
19	Nikki Yadav	Tree growth-climate relationship in plantation cupressus cashmeriana grown in fri campus, dehradun

20	Pradeep Kumar Patel	Effect of progressive sanding using various grit papers to evaluate the spreadability of polyurethane coating on the wood surface
21	Punyo Nadii	Effect of sonication time on addition of 1% Nano-SiO <sub>2</sub> to Urea formaldehyde on the Physical and Mechanical properties of Medium density fibreboards of <i>Melia dubia</i>
22	Punith D	Role of Nano-ZnO Dispersion in UF Resin Against mould deposition on the surface of MDF Boards made from <i>Melia dubia</i> and Bamboo Scrimbers
23	Puppala Kalyani	Effect of Vacuum Kiln Drying on <i>Pinus roxburghii</i>
24	Rohan Kumar Parida	Multiscale wood modification using chemo- thermo-hygro mechanical approach
25	Rahul Layek	Thermal Treatment on Norway Spruce ( <i>Picea abies</i> L. Karst): Impact on Finishing Properties
26	Rohit Diwakar	Performance of fire retardant and preservative composition on <i>Bambusa tulda</i>
27	Shabnam Chauhan	Exploratory work on the preparation of adhesive free cross laminate timber: Role of wood species on the strength of welded joints.
28	Shahid A M	Development of Wood Based Green And Sustainable Aerogel for Multifunctional Applications
29	Simran Rana	Influence of addition of 2% nano-silica to urea formaldehyde resin on formaldehyde content and mycological properties of medium density fibreboard of <i>Melia dubia</i> .
30	Spardha Tyagi	Influence of addition of 1% nano-silica to urea formaldehyde resin on formaldehyde content and mycological properties of medium density fibreboard of <i>Melia dubia</i> .
31	Supram Mitra	Effect of thermal modification on physical, mechanical and biological properties of <i>Picea abies</i> (L.) Karst.
32	Surbhi Kumari	UV Resistance and Moisture Absorption of Transparent Wood Composite prepared from Acetylated Poplar Wood and Epoxy Resin
33	Sumit Sharma	Efficacy evaluation of neem seed oil against wood decaying fungi: <i>Poria monticola</i> and <i>Pycnoporus sanguineus</i> on mangifera indica through wood blocks bioassay and on pda medium through petri plates bioassay
34	Thangjam Samarat Singh	Properties of Particle Board reinforced with bamboo strip mat
35	Varun Sharma	Microwave vacuum drying of <i>Bambusa tulda</i>
36	Vikash Kumar	<i>Influence of addition of nanoclay to PVAS on bending strength properties of finger joint of Eucalyptus species</i>
37	Yeruva Tejasri	Vacuum drying studies on <i>Populus deltoides</i>

