

University of Zagreb
Faculty of forestry and wood technology
Wood technology department
A list of defended PhD thesis on December 2025.

No.	Name and surname	Title	Committee	Date of defence
1.	IVO HORVAT	Researches of specific weight and shrinkage of Slavonian oakwood	Dr.sc. Andrija Petračić Dr.sc. Vladimir Škorić	10.3.1942.
2.	ROKO BENIĆ	Researches of sapwood and heartwood rate and their physical properties in narrow-leaved ash	Dr.sc. Aleksandar Ugrenović Dr.sc. Milan Anić Dr.sc. Ivo Horvat Dr.sc. Miljenko Plavšić Dr.sc. Josip Kišpatić	18.5.1953.
3.	JURAJ KRPAN	Research of the fibre-saturation point of several more important native wood species	Dr.sc. Aleksandar Ugrenović Dr.sc. Ivo Horvat Dr.sc. Josip Hribar Dr.sc. Nikola Neidhardt Dr.sc. Zvonimir Špoljarić	16.1.1954.
4.	IBRAHIM KOPČIĆ	Analysis of labour productivity during 1954 and 1955 in the sawmills of NR B and H (for conifers)	Dr.sc. Miljenko Plavšić Dr.sc. Ivo Horvat Dr.sc. Roko Benić Dr.sc. Zvonimir Potočić	8.10.1957.
5.	STRAHIL TODOROVSKI	Distribution and amount of sapwood and heartwood in the stemwood of sessile oak (<i>Quercus sessiliflora</i> , Salish) from Pesjak in NR Macedonia	Dr.sc. Ivo Horvat Dr.sc. Roko Benić Dr.sc. Zvonimir Špoljarić	26.11.1958.
6.	ALIJA KARAHASANOVIĆ	Technical properties of fir wood from Bosnian old-growth forests	Dr.sc. Ivo Horvat Dr.sc. Roko Benić Dr.sc. Juraj Krpan Dr.sc. Pavle Fukarek	28.11.1958.
7.	IVAN MOŽINA	Variations in latewood weight and hardness of Douglas fir (<i>Pseudotsuga taxifolia</i> Britton)	Dr.sc. Ivo Horvat Dr.sc. Zvonimir Špoljarić Dr.sc. Borivoj Emrović	11.7.1959.
8.	MARIJAN BREŽNJAK	Some exploitation characteristics of frame saws	Dr.sc. Ivo Horvat Dr.sc. Juraj Krpan Dr.sc. Roko Benić	26.12.1964.
9.	UROŠ GOLUBOVIĆ	Research of the most profitable diameter degree of fir (<i>Abies alba</i>) for sawmill processing	Dr.sc. Miljenko Plavšić Dr.sc. Zvonimir Potočić Dr.sc. Ivo Horvat	28.12.1964.
10.	ZVONIMIR ETTINGER	Researches of the most favourable ratio between preparation time, additional time and pure labour time in the furniture manufacturing	Dr.sc. Roko Benić Dr.sc. Miljenko Plavšić Dr.sc. Branko Kraljić	8.12.1965.
11.	STANISLAV BAĐUN	Influence of blue stain on the physical and mechanical properties of black pinewood	Dr.sc. Ivo Horvat Dr.sc. Zvonimir Špoljarić Dr.sc. Juraj Krpan	28.12.1965.
12.	BOŽIDAR PETRIĆ	Effect of annual ring age and width on the structure and volume wight of white pine wood	Dr.sc. Zvonimir Špoljarić Dr.sc. Ivo Horvat Dr.sc. Roko Benić	19.4.1967.
13.	JOŽE LENIĆ	Effect of prehydrolysis of beech wood on chemical and physical properties of fibres	Dr.sc. Ivo Opačić Dr.sc. Ivo Horvat Dr.sc. Mladen Bravar	27.1.1972.
14.	BORIS LJULJKA	Effect of wood moisture on the processing with polyurethane varnishes	Dr.sc. Ivo Opačić Dr.sc. Ivo Horvat Dr.sc. Zvonimir Špoljarić	8.7.1974.
15.	ZDENKO PAVLIN	Comparative research into moisture content of sawed beechwood steamed due to discoloration under pressure of 0 to 3 atp	Dr.sc. Ivo Horvat Dr.sc. Ivo Opačić Dr.sc. Mirko Ilić	25.9.1975.
16.	STAKA ERAK	Effect of annual ring age and width on the structure and quality of fir wood (<i>Abies alba</i> Mill.) on limestone soil in Bosnia	Dr.sc. Zvonimir Špoljarić Dr.sc. Ivo Horvat Dr.sc. Roko Benić Dr.sc. Božidar Petrić	6.11.1975.
17.	VLADIMIR BRUČI	Influence of pressing moisture and temperature in the production of three-layer chipboards on pressing duration and physical-mechanical properties of finished boards	Dr.sc. Ivo Horvat Dr.sc. Ivo Opačić Dr.sc. Jože Lenić	9.6.1976.
18.	JOŽE KOVAČ	Study of stoppage in automechanized working process in the production of wood-cement construction boards	Dr.sc. Roko Benić Dr.sc. Marijan Brežnjak Dr.sc. Iztok Winkler	17.2.1976.
19.	ŠPIRO KOPITOVIC	Physical and chemical interaction of ligno cellular fibres and thermally active binders	Dr.sc. Ivo Opačić Dr.sc. Marijan Brežnjak Dr.sc. Mladen Bravar	28.10.1976.

20.	MLADEN FIGURIĆ	Work regimes and operative times in machine processing and production of furniture	Dr.sc. Roko Benić Dr.sc. Jože Kovač Dr.sc. Boris Ljuljka	5.10.1977.
21.	TOMISLAV PRKA	Influence of quality and diameter of oak logs on production yield	Dr.sc. Marijan Brežnjak Dr.sc. Ramiz Zubčević Dr.sc. Ivo Horvat Dr.sc. Zdenko Pavlin	6.7.1978.
22.	MARKO GREGIĆ	Two variants of cant sawing of low-quality beech roundwood using log band saws during conversion into wooden dimension stocks	Dr.sc. Marijan Brežnjak Dr.sc. Ramiz Zubčević Dr.sc. Stanislav Bađun	21.12.1979.
23.	NENAD VIDOVIĆ	Possibilities of improving durability of windows - with wood preservation	Dr.sc. Božidar Petrić Dr.sc. Boris Ljuljka Dr.sc. Ivo Opačić Dr.sc. Alija Karahasanović	29.1.1981.
24.	OMER SALAH ELDIEN	Fire retardant chipboards in construction and shipbuilding	Dr.sc. Vladimir Bruči Dr.sc. Zdenko Pavlin Dr.sc. Stanislav Sever Dr.sc. Radomir SeniĆ	26.12.1983.
25.	FRANJO PENZAR	Organisation of veneer production from some tropical wood species	Dr.sc. Roko Benić Dr.sc. Vladimir Bruči Dr.sc. Vekoslav Mihevc Dr.sc. Zdenko Pavlin	6.2.1985.
26.	DAVID BREZIGAR	Study of some factors that determine the quality and usability of mattresses	Dr.sc. Roko Benić Dr.sc. Boris Ljuljka Dr.sc. Vekoslav Mihevc	13.3.1985.
27.	ĐORĐE BUTKOVIĆ	Research the yield of fir logs in experimental and simulated sawing and predicting the quality of boards	Dr.sc. Marijan Brežnjak Dr.sc. Ivo Horvat Dr.sc. Ramiz Zubčević Dr.sc. Vladimir Hitrec	13.5.1985.
28.	STJEPAN TKALEC	Effect of construction joints on chair quality	Dr.sc. Boris Ljuljka Dr.sc. Omer Alić Dr.sc. Stanislav Bađun	19.12.1985.
29.	MOJSIJE VUČELJIĆ	Accuracy of dimensions of rough beechwood workpieces	Dr.sc. Marijan Brežnjak Dr.sc. Ramiz Zubčević Dr.sc. Boris Ljuljka	10.10.1986.
30.	IVICA GRBAC	Studying bed quality and improvements in bed construction	Dr.sc. Boris Ljuljka Dr.sc. Vjera Dürriigl Dr.sc. Vekoslav Mihevc Dr.sc. Stjepan Tkalec	20.7.1988.
31.	SAŠA PIRKMAIER	Construction of particle boards Tp 100 with optimal melamine-modified glue and corresponding wood chip type	Dr.sc. Vladimir Bruči Dr.sc. Radomir SeniĆ Dr.sc. Zdenko Pavlin	17.6.1988.
32.	SAFET GURDA	Structural characteristics of branch wood of common beech (<i>Fagus sylvatica</i> L.) from Bosnia	Dr.sc. Božidar Petrić Dr.sc. Staka Erak Dr.sc. Vladimir Sertić	26.12.1990.
33.	STJEPAN PETROVIĆ	Research on gluing wood with water retardant synthetic resins for external use	Dr.sc. Boris Ljuljka Dr.sc. Zvonimir Žagar Dr.sc. Božidar Petrić Dr.sc. Mladen Biffl	27.12.1990.
34.	TRAJČE PERO MANEV	Effect of wetting on the quality of surface processing of furniture	Dr.sc. Boris Ljuljka Dr.sc. Stjepan Tkalec Dr.sc. Zora Smolčić-Žerdik	3.4.1992.
35.	TOMISLAV GRLADINOVIĆ	Optimal regimes of business in furniture production	Dr.sc. Mladen Figurić Dr.sc. Franc Bizjak Dr.sc. Ante Munitić	18.6.1993.
36.	ANDRIJA BOGNER	Modification of beech wood surface to improve bonding	Dr.sc. Boris Ljuljka Dr.sc. Jože Resnik Dr.sc. Vladimir Sertić	3.9.1993.
37.	DENIS JELAČIĆ	Production scheduling using new methods in wood industry companies	Dr.sc. Stjepan Tkalec Dr.sc. Mladen Figurić Dr.sc. Franc Bizjak	5.1.1996.
38.	JURICA PAVELIĆ	Interaction of development strategy and structure of wood processing	Dr.sc. Vladimir Hitrec Dr.sc. Mladen Figurić Dr.sc. Franc Bizjak	7.6.1996.
39.	SLAVKO GOVORČIN	Properties of juvenile and adult beech wood from the area of Bjelolasica	Dr.sc. Jurica Butković Dr.sc. Božidar Petrić Dr.sc. Nikolaj Torrelli	12.7.1996.
40.	IVAN LIKER	Fibre production and analysis of principal influencing factors in European countries	Dr.sc. Rudolf Sabadi Dr.sc. Mladen Figurić Dr.sc. Mirko Tratnik	11.7.1996.
41.	RADOVAN DESPOT	Contribution to the knowledge of mechanisms of infection and decay of beech construction timber	Dr.sc. Milan Glavaš Dr.sc. Božidar Petrić Dr.sc. Franc Pohleven	4.11.1996.
42.	HRVOJE TURKULIN	Photodegradation of wood products in the construction	Dr.sc. Božidar Petrić	16.12.1996.

		industry	Dr. Eric Roy Miller Dr. Jürgen Sell Dr.sc. Boris Ljuljka Dr.sc. Stjepan Tkalec	
43.	ANĐELKO ŽIVKOVIĆ	Evaluating the efficiency of technological processes in furniture production	Dr.sc. Denis Jelačić Dr.sc. Franc Bizjak Dr.sc. Mladen Figurić	8.10.1997.
44.	STJEPAN RISOVIĆ	Relation between cutting quality and stresses in circular saw	Dr.sc. Stanislav Sever Dr.sc. Boris Ljuljka Dr.sc. Janez Kopač Dr.sc. Ivica Grbac Dr.sc. Vlado Goglia	4.12.1997.
45.	RUŽICA BELJO-LUČIĆ	A contribution to the study of influencing parameters on lateral stability of circular saw	Dr.sc. Stanislav Sever Dr.sc. Boris Ljuljka Dr.sc. Marijan Brežnjak Dr.sc. Janez Kopač Dr.sc. Vlado Goglia	26.1.1998.
46.	VLATKA JIROUŠ-RAJKOVIĆ	An approach to investigating wood coating durability	Dr.sc. Vladimir Sertić Dr.sc. Vekoslav Mihevc Dr.sc. Boris Ljuljka Dr.sc. Andrija Bogner Dr.sc. Hrvoje Turkulin	19.2.1998.
47.	JELENA TRAJKOVIĆ	Effect of temperature on sorption properties of fir sapwood and heartwood	Dr.sc. Radovan Despot Dr.sc. Nikolaj Torrelli Dr.sc. Slavko Govorčin	25.2.1998.
48.	ŽELJKO ĐIDARA	Possibility of production of glued laminated timber from low density hardwoods	Dr.sc. Mladen Figurić Dr.sc. Zvonimir Žagar Dr.sc. Stjepan Tkalec Dr.sc. Davorin Kajba Dr.sc. Boris Ljuljka	6.10.1998.
49.	DARKO MOTIK	Models of planning products and production programmes in the furniture industry	Dr.sc. Stjepan Tkalec Dr.sc. Mladen Figurić Dr.sc. Mirko Tratnik	15.12.1999.
50.	VERA RUTAR	Physical and chemical properties and adsorbility of recycled fibres of waste corrugated paperboard and effect on characteristics of qualitative papers	Dr.sc. Boris Ljuljka Dr.sc. Vesna Tišler Dr.sc. Vladimir Sertić	17.12.1999.
51.	STJEPAN PERVAN	The influence of dimensions on moisture content gradient in the drying process of oak dimension parts	Dr.sc. Boris Ljuljka Dr.sc. Željko Gorišek Dr.sc. Ivica Grbac	18.2.2000.
52.	VLADIMIR JAMBREKOVIĆ	Influence of modification carbamide-formaldehyde resins with lignosulphonates on properties of particleboards	Dr.sc. Ivica Grbac Dr.sc. Zvonimir Zvonimir Dr.sc. Vladimir Bruči	13.11.2000.
53.	TOMISLAV SINKOVIĆ	Area strains in the beam at static bending process of normal and compression fire-wood (<i>Abies alba</i> Mill.)	Dr.sc. Andrija Bogner Dr.sc. Zvonimir Žagar Dr.sc. Slavko Govorčin	17.11.2000.
54.	SILVANA PREKRAT	Determination of strength criteria in chair joints construction	Dr.sc. Ivica Grbac Dr.sc. Nikola Vranković Dr.sc. Stjepan Tkalec	14.5.2001.
55.	MLADEN BREZOVIĆ	Optimisation of properties of multi-ply veneer plywood for interior and exterior use	Dr.sc. Ivica Grbac Dr.sc. Jože Resnik Dr.sc. Vladimir Bruči	15.5.2001.
56.	ANKICA KOS	Influence of cutting parameters and exhaust quality on dustiness in final woodworking environment	Dr.sc. Ružica Beljo-Lučić Dr.sc. Dubravko Horvat Dr.sc. Alena Očkajevá	17.4.2002.
57.	JOSIP IŠTVANIĆ	The Rationality of Sawmilling Small-Sized Roundwood: Common Walnut (<i>Juglans regia</i> L.), Wild Cherry (<i>Prunus avium</i> L.) and Sweet Chestnut (<i>Castanea sativa</i> Mill.)	Dr.sc. Mladen Brežnjak Dr.sc. Ružica Beljo-Lučić Dr.sc. Fuad Serdarević	30.11.2005.
58.	JAROSLAV KLJAK	Influence of orthotropic properties of materials on the structural design of composite plywood	Dr.sc. Vladimir Jambreko Dr.sc. Mladen Brezović Dr.sc. Jože Resnik	23.2.2006.
59.	BOGOSLAV ŠEFC	Wood properties when treated by citric acid	Dr.sc. Tomislav Sinković Dr.sc. Jelena Trajković Dr.sc. Drago Katović	31.3.2006.
60.	KREŠIMIR GREGER	Criteria selection in establishing technological processes ability in wood processing and furniture manufacturing	Dr.sc. Andrija Bogner Dr.sc. Mladen Figurić Dr.sc. Leon Oblak	15.12.2006.
61.	GORAN MIHULJA	Factors that affects free surface energy of wood	Dr.sc. Hrvoje Turkulin Dr.sc. Andrija Bogner Dr.sc. Milan Šernek	3.7.2008.
62.	ALAN ANTONOVIĆ	Researches on new formaldehyde adhesive systems for wood panels modified with liquefied wood	Dr.sc. Mladen Brezović Dr.sc. Vladimir Jambreko Dr.sc. Vesna Tišler	5.12.2008.
63.	ZORAN VLAOVIĆ	Comfort factors of office chairs	Dr.sc. Boris Ljuljka	4.12.2009.

			Dr.sc. Ivica Grbac Dr.sc. Budimir Mijović	
64.	IVICA ŽUPČIĆ	Factors that affect connection of beech turning elements by wood welding process	Dr.sc. Andrija Bogner Dr.sc. Ivica Grbac Dr.sc. Milan Šernek	9.4.2010.
65.	IGOR ĐUKIĆ	Influence of anti-vibration gloves on the reduction of vibration transmitted to the hands of the chainsaw operator	Dr.sc. Ivica Grbac Dr.sc. Vlado Goglia Dr.sc. Štefan Barcik	21.5.2010.
66.	MARIN HASAN	The influence of different modification procedures on biological durability of modified wood	Dr.sc. Vlatka Jirouš Rajković Dr.sc. Radovan Despot Dr.sc. Franc Pohleven	8.6.2010.
67.	RENATA OJUROVIĆ	Investment model regarding the production entities of wood processing and furniture production in the Republic of Croatia in the function of sustainable development	Dr.sc. Ivica Grbac Dr.sc. Tomislav Grladinović Dr.sc. Leon Oblak	21.12.2010.
68.	ANDREJA PIRC	Innovativeness impact on firm competitiveness in the furniture industry	Dr.sc. Denis Jelačić Dr.sc. Darko Motik Dr.sc. Leon Oblak	6.5.2011.
69.	DANIJELA DOMLJAN	The Design of Contemporary School Furniture as a Prerequisite for Maintainance of Pupils' Health	Dr.sc. Boris Ljuljka Dr.sc. Ivica Grbac Dr.sc. Gordana Pavleković	18.5.2011.
70.	AIDA KOPLJAR	Attitudes of participants in the chain use towards increased consumption of wood and wood products	Dr.sc. Vladimir Jambreković Dr.sc. Darko Motik Dr.sc. Leon Oblak	15.7.2011.
71.	VJEKOSLAV ŽIVKOVIĆ	Activation spectra in photodegradation of wood	Dr.sc. Vlatka Jirouš Rajković Dr.sc. Hrvoje Turkulin Dr.sc. Klaus Richter	14.10.2011.
72.	DOMINIK POLJAK	Effects of steam stabilization process on glue joint properties of beach wood	Dr.sc. Tomislav Sinković Dr.sc. Goran Mihulja Dr.sc. Milan Šernek	20.12.2011.
73.	MAJA MORO	Models for Predicting the Future of the Market in the Furniture and Other Wood Products Industry	Dr.sc. Darko Motik Dr.sc. Leon Oblak Dr.sc. Tomislav Grladinović	21.12.2011.
74.	MARIO KOPROLČEC	Efficiency of company insurance models in the wood sector	Dr.sc. Denis Jelačić Dr.sc. Darko Motik Dr.sc. Leon Oblak	3.2.2012.
75.	JOSIP MIKLEČIĆ	Durability of polyacrylate nanocoatings on thermally modified wood	Dr.sc. Hrvoje Turkulin Dr.sc. Boris Ljuljka Dr.sc. Marko Petrić	9.12.2013.
76.	NIKOLA ŠPANIĆ	Characterization of biocomposite wood materials prepared by synthesis of acetylated cellulose and cellulose polymorphs	Dr.sc. Mladen Brezović Dr.sc. Alan Antonović Dr.sc. Sergej Medved	21.2.2014.
77.	MATIJA JUG	The implementation of infrared thermography and thermogravimetric methods in the research of factors influencing the ignition of wood particles	Dr.sc. Vlado Goglia Dr.sc. Štefan Barcik Dr.sc. Igor Đukić	12.5.2014.
78.	KRISTINA KLARIĆ	Total Quality Management Models in Furniture Production	Dr.sc. Vladimir Jambreković Dr.sc. Tomislav Grladinović Dr.sc. Petra Grošelj	22.12.2014.
79.	TOMISLAV SEDLAR	Influence of physical and mechanical properties of sycamore maple (<i>Acer pseudoplatanus</i> L.) from Medvednica region on technological characteristics of processing	Dr.sc. Bogoslav Šefc Dr.sc. Jelena Trajković Dr.sc. Safet Guarda	30.1.2015.
80.	BRANIMIR ŠAFRAN	Dependence of mechanical properties of pellets on input variables of raw material	Dr.sc. Vlado Goglia Dr.sc. Vladimir Jambreković Dr.sc. Tatjana Krička	28.4.2015.
81.	MILJENKO KLARIĆ	Identifying and Characterising Factors of Discolouration in Black Alder (<i>Alnus glutinosa</i> (L.) Gaertn.) during Hydrothermal Processes	Dr.sc. Vladimir Jambreković Dr.sc. Željko Gorišek Dr.sc. Primož Oven	3.7.2015.
82.	KRISTIJAN RADMANOVIĆ	Effect of mechanical properties of wood on power consumption in orthogonal cutting	Dr.sc. Vlado Goglia Dr.sc. Tomislav Sinković Dr.sc. Toma Udiljak	10.7.2015.
83.	MARGARITA BEGO	Model of Process and Business Management in Institutions for Wooden Artefacts Restauration in the Republic of Croatia	Dr.sc. Darko Motik Dr.sc. Leon Oblak Dr.sc. Ivica Župčić	29.9.2015.
84.	IVANA PERIĆ	Assessment of Factors Affecting Firm Competitiveness in Furniture Manufacturing	Dr.sc. Krešimir Greger Dr.sc. Jože Koprivšek Dr.sc. Ivica Grbac	6.11.2015.
85.	BRANKO LIKER	The impact of market pellets development of the energy efficacy	Dr. sc. Stjepan Ristović Dr. sc. Denis Jelačić Dr. sc. Leon Oblak	12.9.2016.
86.	IVA IŠTOK	Anatomical properties of white poplar juvenile wood (<i>Populus alba</i> L.) along the Drava region	Dr. sc. Jelena Trajković Dr. sc. Tomislav Sedlar Dr. sc. Nenad Potočić	7.10.2016.
87.	JOSIP FALETAR	Model for motivation and stimulation system in wood	Dr. sc. Darko Motik	21.10.2016.

		processing company	Dr. sc. Tomislav Grladinović Dr. sc. Anđelina Svirčić Gotovac	
88.	MARKO DUŠAK	Evaluation of parameters for production management system efficiency in small and midium plants	Dr. sc. Darko Motik Dr. sc. Denis Jelačić Dr. sc. Leon Oblak	9.11.2017.
89.	BORIS ILIEV	Furniture design in facilities for preschool education as a basis for healthy children`s growth and development	Dr. sc. Zoran Vlaović Dr. sc. Danijela Domljan Dr. sc. Tanja Jurčević Lulić	08.07.2021.
90.	BRANIMIR JAMBREKOVIĆ	Influence of styrene modification of physical and mechanical properties of fir wood	Dr. sc. Tomislav Sedlar Dr. sc. Tomislav Sinković Dr. sc. Nikola Španić Dr. sc. Emi Govorčin Bajsić Dr. sc. Ljerka Kratožil Krehula	14.07.2022.
91.	KRISTINKA LIKER	Determination of optimal model for primary wood products calculation	Dr. sc. Stjepan Posavec Dr. sc. Andreja Pirc Barčić Dr. sc. Leon Oblak	17.03.2023.
92.	ANDRIJA NOVOSEL	Improvement of the mechanical properties of oak-wood construction components by carbon- and glass-fibre implants.	Dr. sc. Hrvoje Turkulin Dr. sc. Vjekoslav Živković Dr. sc. Mislav Štepinac	12.10.2023