

Candidate supervisor's information summary form

Name and surname, degree, title: D.Sc. Agnieszka Laskowska, assistant professor	
Discipline/ disciplines of science	Forestry
Professional development (degrees and titles) in chronological order	2008 - Master engineer of wood technology 2013 - Doctor of forest sciences in field of wood technology 2019 - Doctor (habilitation) of agricultural sciences in field of forest sciences, specialty wood technology
Most important publications/patens over the last 3 years (maximum 10)	<ul style="list-style-type: none"> ▪ Laskowska A. 2024: Characteristics of the Pressing Process and Density Profile of MUPF-Bonded Particleboards Produced from Waste Plywood. <i>Materials</i> 17 (4): 850 ▪ Laskowska A., Majewska K., Kozakiewicz P., Mamiński M., Bryk G. 2021: Case Study of Anatomy, Physical and Mechanical Properties of the Sapwood and Heartwood of Random Tree <i>Platycladus orientalis</i> (L.) Franco from South-Eastern Poland. <i>Forests</i> 12 (7): 925 ▪ Laskowska A., Marchwicka M., Trzaska A., Boruszewski P. 2021: Surface and Physical Features of Thermo-Mechanically Modified Iroko and Tauari Wood for Flooring Application. <i>Coatings</i> 11 (12): 1528 ▪ Boruszewski P., Laskowska A., Jankowska A., Klisz M., Mionskowski M. 2021: Potential Areas in Poland for Forestry Plantation. <i>Forests</i> 12 (10): 1360 ▪ Bytner O., Laskowska A., Drożdżek M., Kozakiewicz P., Zawadzki J. 2021: Evaluation of the Dimensional Stability of Black Poplar Wood Modified Thermally in Nitrogen Atmosphere. <i>Materials</i> 14: 1491 ▪ Mańkowski P., Laskowska A. 2021: Compressive strength parallel to grain of earlywood and latewood of yellow pine. <i>Maderas-Ciencia y Tecnología</i> 23: 57, 1-12 ▪ Laskowska A. 2020: Impact of Cyclic Densification on Bending Strength and Modulus of Elasticity of Wood from Temperate and Tropical Zones. <i>BioResources</i> 15(2): 2869-2881 ▪ Kozakiewicz P., Drożdżek M., Laskowska A., Grześkiewicz M., Bytner O., Radomski A., Mróz A., Betlej I., Zawadzki J. 2020: Chemical Composition as a Factor Affecting the Mechanical Properties of Thermally Modified Black Poplar (<i>Populus nigra</i> L.). <i>BioResources</i> 15(2): 3915-3929 ▪ Laskowska A. 2020: The influence of ultraviolet radiation on the colour of thermo-mechanically modified beech and oak wood. <i>Maderas. Ciencia y tecnología</i> 22(1): 55-68 ▪ Laskowska A., Mamiński M. 2020: The properties of particles produced from waste plywood by shredding in a single-shaft shredder. <i>Maderas. Ciencia y tecnología</i>, 22(2): 197-204
Experience in work with doctoral students (defended doctoral dissertations, doctoral	Name and surname of the doctoral student: Agnieszka Mielnik Doctoral programmes opened, title of the doctoral dissertation: "The influence of molds on selected physical, mechanical and

programmes opened) in chronological order	chemical properties of European ash (<i>Fraxinus excelsior</i> L.) wood"
Project/grants achievements (from the last 10 years)	<ul style="list-style-type: none"> ▪ "The role of the chemical composition and anatomical structure of wood from temperate and tropical zones in shaping the properties of the surface covered with vegetable oils" - a single research activity in MINIATURA 7 call, financed by National Science Centre (2023-2024), Manager. ▪ DENDRO-SPEC "Spectroscopic methods for rapid phenotyping of trees reflecting their ecological resilience" - research project in OPUS 22 – LAP/WEAVE call, financed by National Science Centre (2023-2025), Performer. ▪ CROPTECH "Intelligent systems for breeding and cultivation of wheat, maize and poplar for optimized biomass production, biofuels and modified wood" - research project in programme Biostrateg II financed by National Centre of Research and Development (2016-2019), Performer. ▪ EFFRaWood "Enhancement of utilization affectivity of raw material in production processes in industry"- research project in program Biostrateg II financed by National Centre of Research and Development (2016-2018), Performer. ▪ WULS in Warsaw Project for realization of research task within internal competition for young scientific employees, "Influence of thermo-mechanical modification on hygroscopic properties of wood from temperate and tropical zones" (2016-2017), Project manager. ▪ WULS in Warsaw Project for realization of research task within internal competition for young scientific employees, "Possibilities of using birch wood (<i>Betula pendula</i> Roth) in modern technologies in wood industry" (2014-2015), Project manager. ▪ Research implementation project within LIDER program, co-financed by the NCBR: "Innovative lignocellulose biomass renewable in a short cycle based composite materials increasing wood industry competitiveness" (2014-2016), Performer.
Topic – research problem – for which the candidate supervisor seeks a doctoral student	<ul style="list-style-type: none"> ▪ study of the relationship between the anatomical structure and physical, mechanical properties of wood ▪ study of the influence of material and technological factors on the properties of densified wood ▪ properties of wood treated with vegetable oils
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