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)	▪ Bytner O., Drożdżek M., **Laskowska A.**, Zawadzki J. 2022: Temperature, Time and Interactions between Them in Relation to Colour Parameters of Black Poplar (*Populus nigra* L.) Thermally Modified in Nitrogen Atmosphere. Materials 15, 1-17 ▪ **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 *Platycladus orientalis* (L.) Franco from South-Eastern Poland. Forests 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. Coatings 11 (12): 1528 ▪ Boruszewski P., **Laskowska A.**, Jankowska A., Klisz M., Mionskowski M. 2021: Potential Areas in Poland for Forestry Plantation. Forests 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. Materials 14: 1491 ▪ Mańkowski P., **Laskowska A.** 2021: Compressive strength parallel to grain of earlywood and latewood of yellow pine. Maderas-Ciencia y Tecnologia 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. BioResources 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 (*Populus nigra* L.). BioResources 15(2): 3915-3929 ▪ **Laskowska A.** 2020: The influence of ultraviolet radiation on the colour of thermo-mechanically modified beech and oak wood. Maderas. Ciencia y tecnología 22(1): 55-68 ▪ **Laskowska A.**, Mamiński M. 2020: The properties of particles produced from waste plywood by shredding in a single-shaft shredder. Maderas. Ciencia y tecnología, 22(2): 197-204
Experience in work with doctoral students (defended doctoral	Name and surname of the doctoral student: Agnieszka Mielnik Doctoral programmes opened, title of the doctoral dissertation:

dissertations, doctoral programmes opened) in chronological order	"The influence of molds on selected physical, mechanical and chemical properties of European ash (*Fraxinus excelsior* L.) wood"
Project/grants achievements (from the last 10 years)	▪ 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 (*Betula pendula* 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. ▪ Research implementation project within "A grant-type competition for business partnerships with scientific institutions" implemented by MSODI (Masovian Network of Advisory and Information Centers in the field of Innovation), co-financed by the European Union within European Social Fund, Priority VIII, The Office of the Marshal of the Mazowieckie Voivodeship in Warsaw, International Development Norway AS: "Development of a new wood product on the basis of a patent of the Warsaw University of Life Sciences concerning the modification of wood by heating and then densifying it" (2014), Performer.
Topic – research problem – for which the candidate supervisor seeks a doctoral student	▪ 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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