Candidate supervisor's information summary form

Name and surname, degree, title: **Izabela Burawska** Ph.D., D.Sc.	
Discipline/ disciplines of science	Forestry
Professional development (degrees and titles) in chronological order	24.10.2023 habilitated doctor in the field of forestry in the discipline of wood science 16.12.2015 PhD in forestry in the wood science discipline
Most important publications/patens over the last 3 years (maximum 10)	**1.** Grześkiewicz M., Krzosek S., **Burawska I.** i in., 2023: Influence of Thermo-Mechanical Densification (TMD) on the Properties of Structural Sawn Timber (*Pinus sylvestris* L.). Forests 14(2). DOI:10.3390/f14020231 **2.** Beer P., Pacek P., **Burawska-Kupniewska I.** 2022: Influence of the Thickness of Scots Pine (*Pinus sylvestris* L.) Veneers on Selected Properties of Flooring Materials. Forests 13(2). DOI:10.3390/f13020175 **3.** Wilk K., **Burawska I.** 2022: Biobased building materials – directions and development prospects. Annals of WULS 119. DOI:10.5604/01.3001.0016.1813 **4.** Krzosek S., **Burawska I.,** Mańkowski P. 2022: Comparison results of visual and machine strength grading of Scots pine sawn timber from the Greater Poland-Pomerania Forestry Region in Poland. Annals of WULS 119. DOI:10.5604/01.3001.0016.1632 **5.** **Burawska-Kupniewska I.**, Krzosek S., Mańkowski P. 2021: Efficiency of Visual and Machine Strength Grading of Sawn Timber with Respect to Log Type. Forests 12(11). DOI:10.3390/f12111467 **6.** **Burawska-Kupniewska I.**, Beer P. 2021: Near-Surface Mounted Reinforcement of Sawn Timber Beams-FEM Approach. Materials 11(14). DOI:10.3390/ma14112780 **7.** Krzosek S., Grześkiewicz M., **Burawska-Kupniewska I.**, i in. 2021:Mechanical properties of polish-grown Pinus Sylvestris L. Structural sawn timber from the butt, middle and top logs. Wood Research 66 (2). DOI:10.37763/wr.1336-4561/66.2.231242 **8.** **Burawska-Kupniewska I.**, Mycka P., Beer P. 2021: Influence of Scots Pine (*Pinus sylvestris* L.) Veneers Quality on Selected Properties of Layered Composite for Flooring Materials. Forests 12(8). DOI:10.3390/f12081017 **9.** **Burawska-Kupniewska I.**, Mańkowski P., Krzosek S. 2021: Mechanical Properties of Machine Stress Graded Sawn Timber depending on the Log Type. Forests 12(5). DOI:10.3390/f12050532

	10. Krzosek S., **Burawska-Kupniewska I.**, Mańkowski P. 2021: Geographical Origin and Log Quality Influence on the Mechanical Properties of Scots Pine Sawnwood. Bioresources 16(1). DOI:10.15376/biores.16.1.669-683
Project/grants achievements (from the last 10 years)	**1.** SIBILA - Innovative Training Programme towards the Integration of Competitive Intelligence and Technology Watch Practices and Methods in SMEs from Manufacturing Sectors, 2022-2024, Erasmus+ **2.** Improving process and material efficiency in the sawmill industry, 2018-2022, National Centre for Research and Development **3.** Technology for obtaining two-layer flooring elements with increased hardness, using LVL (coniferous wood) for the edge subfloor and thermally and thermo-mechanically modified oak, beech and ash veneers for the surface layer, 2019, Innovation Incubator 2.0. **4.** Innovative furniture production technology supported by the digital printing process, 2018, National Centre for Research and Development **5.** Production of innovative furniture based on modern chipboard, 2017-2018, National Centre for Research and Development **6.** New packaging using renewable raw materials and innovative paraffin impregnations, 2016-2018, National Centre for Research and Development **7.** Innovative composite materials from renewable lignocellulosic biomass in the short cycle, increasing the competitiveness of the wood industry, 2014-2016, National Centre for Research and Development
Topic – research problem – for which the candidate supervisor seeks a doctoral student	**1.** New wood composites for use in construction and furniture. **2.** Repair engineering in timber structures context.
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