

Summary Specification of Scientific Accomplishments of a Thesis Supervisor Candidate
 maximum 2 pages - it should be a synthesis of the most important elements of accomplishments

Name and surname, degree, scientific title: Ph.D., D.Sc. Piotr Borysiuk, Assoc. Prof.	
Scientific discipline/s	Forestry
Professional development (scientific degrees and titles) chronologically	<p>1996 r. – master engineer of wood technology, Faculty of Wood Technology WULS,</p> <p>2000 r. – doctor of forest sciences in field of wood technology, Faculty of Wood Technology WULS,</p> <p>2012 r. – doctor (habilitation) of forest sciences in field of wood technology, Faculty of Wood Technology WULS,</p>
Most important publications/patents from the last 3 years (max. 10)	<ol style="list-style-type: none"> 1. Auriga R., Borysiuk P., Latos M., Auriga A., Kwaśny Ł., Walkiewicz J., 2023: Impact of Sugar Beet Pulp Share on Selected Physical and Mechanical Properties of Particleboards. <i>Forests</i>, 14, 40. 2. Grześkiewicz M., Krzosek S., Burawska I., Borysiuk P., Mańkowski P., 2023: Influence of thermo-mechanical densification (TMD) on the properties of structural sawn timber (<i>Pinus sylvestris</i> L.). <i>Forests</i>, 14, 231 3. Borysiuk P., Krajewski K., Auriga A., Auriga R., Betlej I., Rybak K., Nowacka M., Boruszewski P., 2022: PLA Biocomposites: Evaluation of Resistance to Mold. <i>Polymers</i> 2022, 14, 157. 4. Górski J., Podziewski P., Borysiuk P., 2022: The Machinability of Flat-Pressed, Single-Layer Wood-Plastic Particleboards while Drilling—Experimental Study of the Impact of the Type of Plastic Used. <i>Forests</i>, 13, 584. 5. Borysiuk P., Boruszewski P., Auriga R., Danecki L., Auriga A., Rybak K., Nowacka M., 2021: Influence of a bark-filler on the properties of PLA biocomposites. <i>Journal of Materials Science</i>, https://doi.org/10.1007/s10853-021-05901-6 6. Borysiuk P., Wilkowski J., Krajewski K., Auriga R., Skomorucha A., Auriga A., 2020: Selected properties of flat-pressed wood-polymer composites for high humidity conditions. <i>BioResources</i> 15(3), 5156-5178. 7. Grzeskiewicz M., Kozakiewicz P., Borysiuk P., Romanovski V., Cichy A., 2020: Influence of top layer density and thickness on hardness of two-layer floor elements. <i>DREWNO WOOD</i> 63 (205), 69-80.

	<p>8. Borysiuk P., Jencyk-Tolloczko I., Auriga R., Kordzikowski M., 2019: Sugar beet pulp as raw material for particleboard production. <i>Industrial Crops & Products</i> 141 (2019) 111829</p> <p>9. Król P., Borysiuk P., Mamiński M., 2019: Comparison of Methodologies for Acid Buffering Capacity Determination— Empirical Verification of Models. <i>Applied Sciences</i>, 9(11), 2345,</p> <p>10. Borysiuk P., Burawska-Kupniewska I., Auriga R., Kowaluk G., Kozakiewicz P., Zbieć M., 2019: Influence of layered structure of composite timber floor boards on their hardness. <i>Drvna industrija</i>, 70 (4), 399-406</p>
Experience in work with PhD students (defended dissertations, initiated dissertation procedures), chronologically	Name and surname of the doctoral student: Radosław Auriga; Period of scientific supervision: 2011-2017; WULS-SGGW (public defense on July 12, 2017); Scientific supervision: supervisor
Project/grant accomplishments (from the last 10 years)	<p>1. 2018 - 2022 r., NCBR, BIOSTRATEG 3, manager from WULS-SGGW (project consortium member).</p> <p>2. 2018 r., NCBR, WoodINN, contractor for the part implemented by the WULS-SGGW.</p> <p>3. 2017-2018 r., NCBR, WoodINN, contractor for the part implemented by the WULS-SGGW.</p> <p>4. 2016-2018 r., NCBR, BIOSTRATEG 2, contractor.</p>
Theme scope - research problem - for the solving of which the PhD student is sought	<p>1. Modern lignocellulosic bio-composites using waste / recycled materials.</p> <p>2. The use of biopolymers for the production of lignocellulosic composites.</p>
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