

Candidate supervisor's information summary form

Name and surname, degree, title: D.Sc. Piotr Boruszewski, associate professor	
Discipline/ disciplines of science	Forestry
Professional development (degrees and titles) in chronological order	<p>Master engineer of wood technology (2003)</p> <p>Doctor of forest sciences in field of wood technology (2008)</p> <p>Doctor (habilitation) of forest sciences in field of wood technology (2018)</p>
Most important publications /patens over the last 3 years (maximum 10)	<ol style="list-style-type: none"> 1. Betlej I., Andres B., Cebulak T., Kapusta I., Balawejder M., Żurek N., Jaworski S., Lange A., Kutwin M., Pisulewska E., Kidacka A., Krochmal-Marczak B., Boruszewski P., Borysiuk P. 2024. <i>Molecules</i> 29(8), 1740 2. Betlej I., Andres B., Borysiak S., Jaworski S., Kutwin M., Krajewski K., Boruszewski P. 2024. <i>Coatings</i> 14(3), 321 3. Betlej I., Borysiuk P., Borysiak S., Rybak K., Nowacka M., Barlak M., Andres B., Krajewski K., Lipska K., Cebulak T., Boruszewski P. 2023. <i>Coatings</i> 13(10), 1722 4. Betlej I., Barlak M., Krajewski K., Andres B., Werner Z., Jankowska A., Zakaria S., Boruszewski P. 2023. <i>Coatings</i> 13(2), 254 5. Boruszewski P., Borysiuk P., Jankowska A., Pazik J. 2022. <i>Materials</i> 15(13), 4528 6. Boruszewski P., Borysiuk P., Jankowska A., Pazik J. 2022. <i>Materials</i> 15(13), 4430 7. Walid Y., Nowacka M., Rybak K., Boruszewski P., Ostrowska-Ligeza E., Betlej I., Wissem A. W., Hammami M., Jallouli S., Horchani-Naifer K., Witrowa-Rajchert D., Saidani-Tounsi M. 2022. <i>Journal of Food Processing and Preservation</i>, 00, e16059 8. Borysiuk P., Krzysztof K., Auriga A., Auriga R., Betlej I., Rybak K., Nowacka M., Boruszewski P. 2022. <i>Polymers</i> 14, 157 9. Boruszewski P., Laskowska A., Jankowska A., Klisz M., Mionskowski M. 2021. <i>Forests</i> 12, 1360 10. Borysiuk P., Boruszewski P., Auriga R., Danecki L., Auriga A., Rybak K., Nowacka M. 2021. <i>Journal of Materials Science</i> 56: 9196-9208
Experience in work with doctoral students (defended doctoral dissertations, doctoral programmes opened) in chronological order	<ol style="list-style-type: none"> 1. Name and surname of the doctoral student: Elżbieta Jeżewska; Period of scientific supervision: 2017-2019; Academy of Fine Arts in Warsaw (public defense on 03/04/2019); Scientific supervision: assistant supervisor. 2. Name and surname of the doctoral student: Edyta Małachowska; Period of scientific supervision: 2017-2018; WULS-SGGW (public defense on November 13, 2018); Scientific supervision: assistant supervisor.

	<p>3. Name and surname of the doctoral student: Marta Kucner; Period of scientific supervision: 2017; WULS-SGGW (public defense on September 26, 2017); Scientific supervision: assistant supervisor</p> <p>4. 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: assistant supervisor</p>
Project/grants achievements (from the last 10 years)	<ol style="list-style-type: none"> 1. 2022 - 2023 r. POWER, EFS, Project Manager. 2. 2018 - 2021 r., MAKING 4.0, Erasmus +, Contractor. 3. 2018 r., NCBR (WoodINN), manager for the part implemented by the WULS-SGGW. 4. 2017-2018 r., NCBR (WoodINN), manager for the part implemented by the WULS-SGGW. 5. 2016-2018 r., NCBR (BIOSTRATEG), Contractor. 6. 2014-2016 r., NCBR (LIDER), Project Manager.
Topic – research problem – for which the candidate supervisor seeks a doctoral student	<ol style="list-style-type: none"> 1. The use of bacterial cellulose in the technology of wood materials. 2. Biodegradable packaging made of lignocellulosic raw materials. 3. Wood materials with reduced density for use in the furniture industry. 4. Influence of methods of modification of lignocellulosic materials on their properties. 5. Wood-based materials produced in the processes of limited consumption of wood raw material from the forest. 6. Analysis of selected surface properties of lignocellulosic materials and the features of its finishing systems. 7. The use of renewable lignocellulosic biomass in a short cycle as a raw material ingredient in the technology of wood-based materials.
<p><u>Contact details:</u></p> <p>Faulty/Institute</p> <p>E-mail address</p> <p>Tel.</p>	<p>Piotr Boruszewski, Ph.D., D.Sc.</p> <p>Institute of Wood Sciences and Furniture, WULS-SGGW</p> <p>email: piotr_boruszewski@sggw.edu.pl</p> <p>tel. +48 22 593 85 28</p>