

### Candidate supervisor's information summary form

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| Name and surname, degree, title: <b>D.Sc. Piotr Boruszewski, associate professor</b>                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Academic discipline/disciplines                                                                                                   | 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/ patents in the last 3 years (maximum 10)                                                             | <ol style="list-style-type: none"> <li>1. Betlej I., Skrzeczanowski W., Nasiłowska B., Bombalska A., Borysiuk P., Nowacka M., Boruszewski P. 2025. Coatings 15(1), 34</li> <li>2. Andres B., Betlej I., Nowacka M., Boruszewski P. 2024. Applied Sciences 14(24), 11475</li> <li>3. Betlej I., Barlak M., Lipska K., Borysiuk P., Boruszewski P. 2024. Materials 17(21), 5347</li> <li>4. Dubis D., Chochół A., Betlej I., Boruszewski P., Borysiuk P. 2024. Materials 17(18), 4566</li> <li>5. Betlej I., Borysiak S., Rybak K., Nasiłowska B., Bombalska A., Mierczyk Z., Lipska K., Borysiuk P., Andres B., Nowacka M., Boruszewski P. 2024. Materials 17, 4464</li> <li>6. Lipska K., Betlej I., Rybak K., Nowacka M., Boruszewski P. 2024. Sustainability 16, 7088</li> <li>7. 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. Molecules 29(8), 1740</li> <li>8. Betlej I., Andres B., Borysiak S., Jaworski S., Kutwin M., Krajewski K., Boruszewski P. 2024. Coatings 14(3), 321</li> <li>9. Betlej I., Borysiuk P., Borysiak S., Rybak K., Nowacka M., Barlak M., Andres B., Krajewski K., Lipska K., Cebulak T., Boruszewski P. 2023. Coatings 13(10), 1722</li> <li>10. Betlej I., Barlak M., Krajewski K., Andres B., Werner Z., Jankowska A., Zakaria S., Boruszewski P. 2023. Coatings 13(2), 254</li> </ol> |
| Experience in work with doctoral students (defended doctoral dissertations, initiated doctoral procedures) in chronological order | <ol style="list-style-type: none"> <li>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.</li> <li>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.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

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|                                                                                         | <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>                                                                                                                                                                                                                                                                                                                     |
| Achievements in the area of projects/grants (in the last 5 years)                       | 1. 2022 - 2023 r. POWER, EFS, Project Manager.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Subject area of the research project for which the candidate student is being recruited | <p>1. The use of bacterial cellulose in the technology of wood materials.</p> <p>2. Biodegradable packaging made of lignocellulosic raw materials.</p> <p>3. Wood materials with reduced density for use in the furniture industry.</p> <p>4. Influence of methods of modification of lignocellulosic materials on their properties.</p> <p>5. Wood-based materials produced in the processes of limited consumption of wood raw material from the forest.</p> <p>6. Analysis of selected surface properties of lignocellulosic materials and the features of its finishing systems.</p> <p>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><br>Institute<br>E-mail address<br>Telephone number              | Piotr Boruszewski, Ph.D., D.Sc.<br>Institute of Wood Sciences and Furniture, WULS-SGGW<br>email: piotr_boruszewski@sggw.edu.pl<br>tel. +48 22 593 85 28                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |