

Candidate supervisor's information summary form
maximum 2 pages – it should be a summary of most important achievements

Name and surname, degree, title:	
Academic discipline/disciplines	Prof. D.Sc. Zawadzki Janusz , professor
Professional development (degrees and titles) in chronological order	Master engineer of chemistry 1986 Warsaw University of Technology. Doctor engineer of chemistry 2001, Warsaw University of Technology, Doctor engineer (with habilitation) of forestry sciences,2009, Warsaw University of Life Sciences. Professor of forestry sciences 2014
Experience in work with doctoral students (defended doctoral dissertations, initiated doctoral procedures) in chronological order	Dąbkowska-Suszał K, Antczak A, Akus-Szylberg F. Zawadzki J. (2025):Enzymatic hydrolysis of pretreated lignocellulosic feedstocks improved by membrane separation, Drewno, 68, 215, 1-9, DOI: /10.53502/wood-199839 Krutul D., Szadkowski J., Výbohová E., Kučerová V., Čabalová I., Antczak A., Szadkowska D., Drożdżek M., Zawadzki J.: 2024, Effect of steam explosion pretreatment on chosen saccharides yield and cellulose structure from fast-growing poplar (<i>Populus deltoides</i> × <i>maximowiczii</i>) wood, Wood Science and Technology,1-18, DOI:10.1007/s00226-024-01532-7 Antczak A., Szadkowski J., Radomski A., Zawadzki J., Dąbkowska-Suszał K., Walkowiak M., Witczak M., Cichy W. 2023: The Influence of Selected Physico-Chemical Pretreatment Methods on Chemical Composition and Enzymatic Hydrolysis Yield of Poplar Wood and Corn Stover, Drewno, 66(211), 1-13 Betlej I., Andres B., Krajewski K., Kiełtyka-Dadasiewicz A., Szadkowska D., Zawadzki J. 2023 : Effect of Various <i>Mentha</i> sp. Extracts on the Growth of <i>Trichoderma viride</i> and <i>Chaetomium globosum</i> on Agar Medium and Pine Wood, Diversity, 15, 2, 1-17, DOI:10.3390/d15020152 Bernacki M.J., Mielecki J., Antczak A., Drożdżek M., Witoń D., Dąbrowska-Bronk J., Gawroński P., Burdiak P., Marchwicka M., Rusaczek A., Dąbkowska-Suszał K., Strobel W.R., Mellerowicz E.J., Zawadzki J., Szechyńska-Hebda M., Karpiński S., 2023: „Biotechnological Potential of the Stress Response and Plant Cell Death Regulators Proteins in the Biofuel Industry”. Cells, 12, 2018

Achievements in the area of projects/grants (in the last 5 years)	Research project of the National Centre for Research and Development “Technologies of using agricultural by-products” PASZA PRO, POIR.01.01.01-00-0224/19-00 – researcher – 2019/2023 Research project of the National Centre for Research and Development “Intelligent farming and cultivation systems for wheat, maize and poplars for optimized production, biomass, biofuels and modified wood” BIOSTRATEG2/298241/10/NCBR/2016 – researcher – 2016/2019
Subject area of the research project for which the candidate student is being recruited	<u>Topics to choose from:</u> Wood modification. Biofuels derived from lignocellulosic materials/cellulose
<u>Contact details:</u> Institute E-mail address Telephone number	Institute of Wood Sciences and Furniture janusz_zawadzki@sggw.edu.pl 22 5938646