

Candidate supervisor's information summary form

maximum 2 pages – it should be a summary of most important achievements

Name and surname, degree, title: Karol Bronisz, PhD, assistants professor	
Discipline/ disciplines of science	Forest sciences
Professional development (degrees and titles) in chronological order	2005 - M.Sc. & For. Eng. Faculty of Forestry 2013 - Ph.D. Faculty of Forestry 2021 - Habilitated doctor of forest sciences
Most important publications/patens over the last 3 years (maximum 10)	<p>Bronisz K. 2019. Modelowanie cech drzew i drzewostanów z wykorzystaniem modeli efektów mieszanych. <i>Sylvan</i> 163 (7):564-575. https://doi.org/10.26202/sylvan.2019007</p> <p>Bronisz K., Mehtätalo L. 2020. Mixed-effects generalized height-diameter model for young silver birch stands on post-agricultural lands. <i>Forest Ecology and Management</i> 460. https://doi.org/10.1016/j.foreco.2020.117901</p> <p>Bronisz K., Mehtätalo L. 2020. Seemingly Unrelated Mixed-Effects Biomass Models for Young Silver Birch Stands on Post-Agricultural Lands. <i>Forests</i> 11(4) 381. https://doi.org/10.3390/f11040381</p> <p>Bronisz K., Zasada M. 2020. Comparison of Fixed- and Mixed-effects Approaches to Taper Modelling for Scots Pine in West Poland. <i>Forests</i> 10(11) 975. https://doi.org/10.3390/f10110975</p> <p>Bronisz K., Zasada M. 2020. Taper models for black locust in west Poland. <i>Silva Fennica</i> 54 (5). https://doi.org/10.14214/sf.10351</p> <p>Socha J., Tymińska-Czabańska L., Bronisz K., Zięba S., Hawryło P. Regional height growth models for Scots pine in Poland. <i>Acientific Reports</i> 11. https://doi.org/10.1038/s41598-021-89826-9</p>
Experience in work with doctoral students (defended doctoral dissertations, doctoral programmes opened) in chronological order	-
Project/grants achievements (from the last 10 years)	2016 - 2020 Project: Techniques and Technologies for Effective Wood Procurement (TECH4EFFECT). Scope / workload: Increasing access to wood resources through more efficient silviculture and a better understanding of the business models governing the procurement of forest operations services.

	<p>Funding source: H2020-EU.3.2.6 - Bio-based Industries Joint Technology Initiative (BBI-JTI)</p> <p>2014 - 2018 Project: Remote sensing based assessment of woody biomass and carbon storage in forests (REMBIOFOR). Scope / workload: Development of methods for the measurement of carbon accumulated by forest ecosystems. Funding source: National Centre for Research and Development.</p> <p>2013 - 2017 Project: Ecological and economic consequences of the presence of selected alien tree species in Poland. Scope /workload: development of growth and yield models for the most important alien forest tree species. Funding source: Polish General Directorate of State Forests.</p> <p>2012 - 2016 Project: FORest management strategies to enhance the MITigation potential of European forests (FORMIT). Scope / workload: Development of management strategies for planted and managed forests to increase mitigation capacity. Funding source: Seventh Framework Programme</p> <p>2010 - 2013 Project: Ecological consequences of birch secondary succession on former agricultural lands. Scope / workload: secondary succession, afforestation, former agricultural land, growth models, forest management. Funding source: Polish Ministry of Science and Higher Education</p>
<p>Topic – research problem – for which the candidate supervisor seeks a doctoral student</p>	<ul style="list-style-type: none"> • Forest growth modelling • Biomass & carbon assessment and modelling • Forest measurements • Forest productivity
<p><u>Contact details:</u> Faculty/Institute E-mail address Tel.</p>	<p>Faculty of Forestry / Institute of Forest Sciences karol_bronisz@sggw.edu.pl +48 5938086</p>