

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

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| Name and surname, degree, title: dr hab. inż. Karol Bronisz, PhD, DSc, Eng  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Academic discipline/disciplines                                             | Forest sciences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Professional development<br>(degrees and titles) in<br>chronological order  | 2005 – Master of forestry<br>2013 - Doctor of forest sciences<br>2021 – Doctor habilitated in forest sciences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Most important publications/<br>patents in the last 3 years<br>(maximum 10) | <p>Bronisz K. 2019. Modelowanie cech drzew i drzewostanów z wykorzystaniem modeli efektów mieszanych. Sylwan 163 (7):564-575. <a href="https://doi.org/10.26202/sylvan.2019007">https://doi.org/10.26202/sylvan.2019007</a></p> <p>Bronisz K., Mehtätalo L. 2020. Mixed-effects generalized height-diameter model for young silver birch stands on post-agricultural lands. Forest Ecology and Management 460. <a href="https://doi.org/10.1016/j.foreco.2020.117901">https://doi.org/10.1016/j.foreco.2020.117901</a></p> <p>Bronisz K., Mehtätalo L. 2020. Seemingly Unrelated Mixed-Effects Biomass Models for Young Silver Birch Stands on Post-Agricultural Lands. Forests 11(4) 381. <a href="https://doi.org/10.3390/f11040381">https://doi.org/10.3390/f11040381</a></p> <p>Bronisz K., Zasada M. 2020. Comparison of Fixed- and Mixed-effects Approaches to Taper Modeling for Scots Pine in West Poland. Forests 10(11) 975. <a href="https://doi.org/10.3390/f10110975">https://doi.org/10.3390/f10110975</a></p> <p>Bronisz K., Zasada M. 2020. Taper models for black locust in west Poland. Silva Fennica 54 (5). <a href="https://doi.org/10.14214/sf.10351">https://doi.org/10.14214/sf.10351</a></p> <p>Socha J., Tymińska-Czabańska L., Bronisz K., Zięba S., Hawryło P. Regional height growth models for Scots pine in Poland. Acientific Reports 11. <a href="https://doi.org/10.1038/s41598-021-89826-9">https://doi.org/10.1038/s41598-021-89826-9</a></p> |
| Experience in work with doctoral students (defended doctoral                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

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| dissertations, initiated doctoral procedures) in chronological order                    |                                                                                                                                       |
| Achievements in the area of projects/grants (in the last 5 years)                       | 2016 – 2020 Techniques and Technologies for Effective Wood Procurement (TECH4EFFECT). The project is financed under the Horizon 2020. |
| Subject area of the research project for which the candidate student is being recruited | Growth & Yield modelling<br>Evaluation and modelling of biomass and carbon content<br>Forest measurements<br>Forest productivity      |
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