

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

Name and surname, degree, title: prof. dr Michał Zasada, PhD, DSc, Eng	
Academic discipline/disciplines	Forest sciences
Professional development (degrees and titles) in chronological order	<p>June 1993: MSc & Engineer in forestry. Faculty of Forestry, SGGW, Warsaw, Poland</p> <p>October 1998: PhD in forestry. Faculty of Forestry, SGGW, Warsaw, Poland. Specialty: forest mensuration and forest productivity</p> <p>March 2008: „Doktor habilitowany” (habilitation, post-graduate degree, доктор наук) in forest sciences. Faculty of Forestry, SGGW, Warsaw, Poland. Specialty: forest management</p> <p>February 2014: Professor of forest sciences; title granted by the President of the Republic of Poland</p>
Most important publications/ patents in the last 3 years (maximum 10)	<p>Aleksandrowicz-Trzcińska Marta, Bijak Szymon, Sikora Katarzyna, Zasada Michał, 2023. Succession of ectomycorrhizal fungi in naturally regenerated silver birch <i>Betula pendula</i> Roth stands on post-agricultural land. <i>Sylvan</i>, 2023, vol. 167, nr 3, s.339-356. DOI:10.26202/sylvan.2023046</p> <p>Ciesielski Mariusz, Bałazy Radomir, Borkowski Bolesław, Szczęsny Wiesław, Zasada Michał, Kaczmarowski Jan, Kwiatkowski Mirosław, Szczygiel Ryszard, Milanowic Slobodan, 2022. Contribution of anthropogenic, vegetation, and topographic features to forest fire occurrence in Poland. <i>iForest-Biogeosciences and Forestry</i>, 2022, vol. 15, nr 4, s.307-314. DOI:10.3832/for4052-015</p> <p>Milanović Slobodan, Kaczmarowski Jan, Ciesielski Mariusz, Trailovic Zoran, Mielcarek Miłosz, Szczygiel Ryszard, Kwiatkowski Mirosław, Bałazy Radomir, Zasada Michał, Milanovic Sladjan. 2022. Modeling and Mapping of Forest Fire Occurrence in the Lower Silesian Voivodeship of Poland Based on Machine Learning Methods. <i>Forests</i>, 2022, vol. 14, nr 1, s.1-20, Numer artykułu: 46. DOI:10.3390/f14010046</p> <p>Gawęda Tomasz, Małek Stanisław, Błońska Ewa, Jagodziński Andrzej, Bijak Szymon, Zasada Michał. 2021. Macro- and Micronutrient Contents in Soils of a Chronosequence of Naturally Regenerated Birch Stands on Abandoned Agricultural Lands in Central Poland. <i>Forests</i>, 2021, vol. 12, nr 7, s.1-13, Numer artykułu:956. Przejdź do dokumentu po identyfikatorze cyfrowym DOI:10.3390/f12070956</p> <p>Cieszewski C.J., Zasada M., Lowe R.C., Liu S. 2021. Estimating Biomass and Carbon Storage by Georgia Forest Types and</p>

	<p>Species Groups Using the FIA Data Diameters, Basal Areas, Site Indices, and Total Heights. <i>Forests</i> 12, 141. https://doi.org/10.3390/f12020141</p> <p>Bronisz K., Bijak S., Wojtan R., Tomusiak R., Bronisz A., Baran P., Zasada M. 2021. Seemingly Unrelated Mixed-Effects Biomass Models for Black Locust in West Poland. <i>Forests</i> 12, 380. https://doi.org/10.3390/f12030380</p>
Experience in work with doctoral students (defended doctoral dissertations, initiated doctoral procedures) in chronological order	<p>Bijak Szymon: Influence of habitat conditions on the radial increment of Norway spruce (<i>Picea abies</i> (L.)) in north-eastern Poland and the Baltic states, Faculty of Forestry, Defense Date: 14-06-2011</p> <p>Magnuszewski Michał: Dendroecological characteristic of Schrenk spruce (<i>Picea schrenkiana</i>) in the Tien-Shan mountains in Kyrgyzstan, Faculty of Forestry, Defense Date: 13-05-2014</p> <p>Sagan Jacek: History, state and perspectives of Douglas fir (<i>Pseudotsuga menziesii</i> (Mirb.) Franco) silviculture in Poland, Faculty of Forestry, Defense Date: 16-12-2014</p> <p>Panka Stefan: State and perspectives of the western red cedar (<i>Thuja plicata</i> ex D. Don) introduction in the eastern part of Germany, Faculty of Forestry, Defense Date: 08-03-2016</p> <p>Ludwisiak Łukasz: Mathematical growth model for early-successional silver birch stands in the Mapinos National Park, Defense date: 15-11-2024</p>
Achievements in the area of projects/grants (in the last 5 years)	<p>2016-2020 Knowledge and Technologies for Effective Wood Procurement (TECH4EFFECT). Horizon2020 BBI (partner). Financed by Horizon 2020. http://www.tech4effect.eu</p> <p>2015-2018 Remote sensing-based assessment of woody biomass and carbon storage in forests (REMBIOFOR). The National Centre for Research and Development (NCBIR), BIOSTRATEG I- Environment, agriculture and forestry (Partner) http://rembiofor.pl</p> <p>2013-2017 Ecological and economic consequences of the presence of selected alien tree species in Poland. Financed by the Polish General Directorate of State Forests</p> <p>2012-2016 FOREst management strategies to enhance the MITigation potential of European forests (FORMIT). Financed by EU 7FP. http://eu-formit.eu</p> <p>2010-2012 Application of terrestrial laser scanning for measuring selected characteristics of forest ecosystems. Financed by the Polish Ministry of Science and Higher Education.</p>

	2010-2012 Ecological consequences of birch secondary succession on former agricultural lands. Financed by the Polish Ministry of Science and Higher Education.
Subject area of the research project for which the candidate student is being recruited	Growth and yield modelling, biomass modelling, forest inventory, the impact of biotic, abiotic and anthropogenic factors and their changes on growth, increment, health status and distribution of various forest tree species, decision support systems in forestry
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