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

Name and surname, degree, title: Michał Brach, PhD	
Discipline/ disciplines of science	Forest Sciences
Professional development (degrees and titles) in chronological order	1. Master engineer in forestry, Forestry Faculty, Warsaw University of Life Sciences, 1998 2. Doctor of forestry sciences in the field of forestry, Forestry Faculty, Warsaw University of Life Sciences, 2008 3. Habilitated doctor in the field of agricultural sciences and forest sciences, Forestry Faculty, Warsaw University of Life Sciences, 2019
Most important publications/patens over the last 3 years (maximum 10)	1. Brach M., Chan JC-W., Szymanski P. 2019. Accuracy assessment of different photogrammetric software for processing data from low-cost UAV platforms in forest conditions. iForest 12: 435-441. 2. Brach. M, Wężyk P., Onoszko K. 2021. Assessment of remote sensing data in determining the spatial elements of patch cutting. Sylwan 165 (5): 379-391. 3. Brach, M. 2022. Rapid Static Positioning Using a Four System GNSS Receivers in the Forest Environment. Forests 13(1) 45. 1-11. 4. Brach M., Gąsior J. 2022. Usage of the low cost unmanned aerial vehicle in the master map verification process for selected classes. Przegląd Geodezyjny, Nr 1/2022: 14-17.
Experience in work with doctoral students (defended doctoral dissertations, doctoral programmes opened) in chronological order	Auxiliary promoter of PhD thesis Addo Koratenga entitled: "Assessment of forest cover and land use change in Ghana as a part of monitoring system in REDD mechanism" defended in 2015
Project/grants achievements (from the last 10 years)	1. Positioning accuracy analysis of GNSS receiver in a forest environment. Research interval: 17.09.2009 - 16.05.2011. Project supervisor: Michał Brach, PhD. Performers: M. Brach, K. Będkowski, K. Stereńczak. KBN N N309 114137. Role: project manager and main contractor. 2. The relationship of morphodynamics of the floodplain with the distribution of heavy metals of anthropogenic origin in contemporary alluvial of the Central Vistula on the section from Sulejów to Kazimierz Dolny. Research period: February 1, 2013 - January 31, 2016. Subject supervisor:

	dr hab. Ewa Falkowska. NCN 012/05 / B / ST10 / 00931. Role: the Contractor.
Topic – research problem – for which the candidate supervisor seeks a doctoral student	1. Monitoring forest changes by unmanned aerial platforms with the use of various types of remote sensing sensors. 2. Variability of multipath effect of GNSS satellite signals in a forest environment. 3. Methods of areas management which are in direct border contact with valuable nature areas as a tool to reduce anthropopressure.
<u>Contact details:</u> Faulty/Institute E-mail address Tel.	 Forestry Faculty/Institute of Forest Sciences Michal_Brach@sggw.edu.pl + 48 22 59 38213