Card of the potential supervisor

Name and surname, degree, acad		
Dr hab. inż. Zbigniew M. Karaczun, professor SGGW		
Scientific discipline / disciplines	Environmental engineering (50%)	
	Agriculture and horticulture (50%)	
Professional development (academic degrees and titles) chronologically	May 6, 1992 - PhD in agricultural sciences in the field of horticulture (Faculty of Horticulture, Warsaw University of Life Sciences) September 30, 2009 - dr hab. agricultural sciences in the field of environmental shaping, specializing in environmental protection (Faculty of Engineering and Environmental Management, Warsaw University of Life Sciences)	
The most important publications / patents / from the last 3 years (maximum 10))	1. Karaczun Z. M., Kozyra J., 2020: Wpływ zmiany klimatu na bezpieczeństwo żywnościo we Polski. [The impact of climate change on Poland's food security] Wyd. SGGW. Warszawa ss. 118 ISBN 987-83-7583-875-6	
	2. Karaczun Z.M., 2020: Analiza ewolucji instrumentów polityki ekologicznej w systemie zarządzania ochroną środowiska oraz ocena potrzeb nowych narzędzi. [w] 100 lat ochrony środowiska w Polsce. Szymalski W. (red). [Analysis of the evolution of environmental policy instruments in the environmental management system and the assessment of the needs of new tools. [in] 100 years of environmental protection in Poland. Szymalski W. (ed)] Instytut Naukowo – Wydawniczy "Spatium". Radom. ss. 57 – 74. ISBN 978-83-66550-19-3	
	3. Mills J., Ingram J., Dibari C., Merante P., Karaczun Z.M., Molnar M, Sánchez B., Iglesias A., Ghaley B.B., 2019: Barriers to and opportunities for the uptake of soil carbon management practices in European sustainable agricultural production, Agroecology and Sustainable Food Systems, DOI: 10.1080/21683565.2019.1680476	
	4. Karaczun Z.M., Kassenberg A., 2019: Environmental transformation in CEE countries [in] Social and economic development in Central and Eastern Europe. Stability and changes after 1990. (Gorzelak G., ed). Routledge. Taylor and Francis Group. London and New York p. 267 - 311 ISBN 978 - 1-138 - 32429 - 9	
	 Karaczun Z.M., Saniewska A., Obidoska G., Żarska B., 2018: Development of environmental protection infrastructure in a rural commune after Poland's accession to the European Union - case study. Annals of Warsaw University of Life Sciences - SGGW Land Reclamation 50(1):69 - 79 	
	6. Karaczun Z.M.: 2018: Climate protection as an ethical challenge: Studia Ecologiae et Bioethicae	

7. Karaczun Z.M., 2018: Evolution of the idea of sustainable development in Poland on the example of climate policy. Papers on Global Change 28: 11 - 22 8. Karaczun Z.M., 2018: Architektura krajobrazu wobec problemu zanieczyszczenia powietrza. [w] XIV Zieleń w ochronie powietrza. (Kosmalna M. Red). [Landscape architecture in the face of the problem of air pollution. [in] XIV Green in air protection. (Cosmic M. Red).] PZIiTS. Toruń. **Supervisor**: Anna Hadam: Effect of salinity on the effectiveness Experience in working with PhD students (defended PhDs, open of a hydrogel in water deficit conditions on the example of street lawns (defended at the Faculty of Horticulture, Biotechnology courses), chronologically and Landscape Architecture in 06/2015). Project / grant achievements Sustainable Farm Management Aimed at Reducing Threats to (from the last 10 years) Soil under climate change. (VII EU Framework Program) grant manager at WULS-SGGW. Project implemented on 11/2011 - 04/2014 Deutsch – Polnische Konferenz Dezentrale Energieversorgung und Energieeffizienz (Project financed by the German Ministry of Foreign Affairs). - grant manager at the Warsaw University of Life Sciences. Project implemented on 08/2013 - 04/2014 Low-emission Poland 2050 (Project financed by the European Climate Foundation). External expert in the field of the circular economy and innovation in climate policy. Project implemented on 8/2012 - 12/2015 Implementation of the goals of the European climate policy for 2030 in non-ETS sectors (Project financed by the German Ministry of Foreign Affairs) - head of the research task: Agriculture Project implemented in 2016 To continue building up better legislative condition for progressive climate and Energy policy and for transformation towards low-emission economy in Poland (Project financed by the European Climate Foundation). External expert in the field of implementation of the EU climate policy in Poland. Project implemented on 7/2016 - 6/2017 The impact of climate change on health (Project financed by HEAL Polska). External expert in the field of forecasting the effects of climate change in Poland. Project implemented on 10/2017 - 6/2018 The impact of food waste on the climate. (Project financed by the German Ministry of Foreign Affairs) - project coordinator. Project carried out on 05/2018 - 12/2018 Thematic scope - a research 1. Identification and valuation of the value of ecosystem services provided by residents to the city and local problem - to be solved by a PhD student community; 2. Adaptation of cities to the predicted effects of climate change.

	3. Horticulture in the face of the effects of climate change - assessment of the needs and possibilities of action in the field of adaptation to the effects of climate change and the role of the sector in climate protection.
Basic expectations towards a candidate for a PhD student	 Knowledge of environmental problems occurring in urban areas;
	 Knowledge of the main directions of needs in the field of urban adaptation to contemporary threats: climate crisis, air pollution, loss of biodiversity;
	 Basic knowledge of methods for the assessment and valuation of pro-environmental activities and the valuation of the value of ecosystem services used in contemporary environmental research;
	The ability to use contemporary social communicators and understanding their functions for contemporary city dwellers.
	Basic knowledge of town and city planning and spatial planning
Contact details:	
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