Candidate supervisor's information summary form

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

Name and surname, degree, title: Ewa Zaraś, P.hD.	
Discipline/ disciplines of science	Agriculture and Horticulture/Horticulture
Professional development (degrees and titles) in chronological order	M.Sc. in Horticulture – landscape architecture - 1998 Doctor of Agricultural Sciences - 2002 Postdoctoral Doctor of Agricultural Sciences in the discipline Horticulture - 2019
Most important publications/patens over the last 3 years (maximum 10)	Jędrzejuk, A., Bator, M., Werno, A., Karkoszka, Ł., Kuźma, N., Zaraś – Januszkiewicz, E., Budzyński, R. 2022. Development of an Algorithm to Indicate the Right Moment of Plant Watering Using the Analysis of Plant Biomasses Based on Dahlia x hybrida. Sustainability 2022, 14, 5165. https://doi.org/10.3390/su14095165 KRUPA T., ZARAŚ-JANUSZKIEWICZ E., KISTECHOK A., 2021. Influence of 1-Methylcyclopropene on the Antioxidants of 'Red Cap' Apples during Transportation and Shelf Life. Agronomy https://www.mdpi.com/2073-4395/11/2/341 SZPADZIK E., ZARAŚ-JANUSZKIEWICZ E., KRUPA T., 2021. Storage Quality Characteristic of Two Minikiwi Fruit (Actinidia arguta (Siebold & Zucc.) Planch. ex Miq.) Cultivars: 'Ananasnaya' and 'Bingo'—A New One Selected in Poland. *Agronomy* 2021, *11*(1), 134; https://doi.org/10.3390/agronomy11010134 SCHWERK A., WIŃSKA-KRYSIAK M., PRZYBYSZ A., ZARAŚ-JANUSZKIEWICZ E., SIKORSKI P., 2020. Carabid Beetle (Coleoptera: Carabidae) Response to Soil Properties of Urban Wastelands in Warsaw, Poland. *Sustainability* 2020, *12*(24), 10673; https://doi.org/10.3390/su122410673 ZARAŚ_JANUSZKIEWICZ E., 2020. Influence of Defensive Work on City Landscape Shaping – Warsaw Fortress System Case Study. Acta Horticulturae et Regiotecturae 2, Nitra, Slovacka Universitas Agriculturae Nitrae, 2020, pp. 109-117 ZARAŚ-JANUSZKIEWICZ E., BOTWINA J., ŻARSKA B., SWOCZYNA T., KRUPA T., 2020. Fortresses as Specific Areas of Urban Greenery Defining the Uniqueness of the Urban Cultural Landscape: Warsaw Fortress—A Case Study, Sustainability 2020, 12(3), 1043; https://doi.org/10.3390/su12031043 ZARAŚ-JANUSZKIEWICZ E., ROSŁON-SZERYŃSKA E., ŻARSKA B., FORNAL-PIENIAK B., 2019 The Changes of Phenological Phases on the Example of Selected Invasive Species of Trees Plants in Urban areas and Landscape | 2020 | pp. 86–92 | 92 | https://doi.org/10.15414/PUAL/2020.86-92 ZARAŚ-JANUSZKIEWICZ E., SWOCZYNA T. 2019. Rozpoznawanie drzew i krzewów w stanie bezlistnym z uwzględnieniem charakterystycznych gatunków i odmian sadzonych na terenach zurbanizowanych. Wyd. SGGW, Warszawa FORNAL-PIENIAK B., BIHUNOVA M., ZARAŚ-JANUSZKIEWICZ E. 2019. Assessme nt of the Recreati onal Potential of Selected Polish and Slovak Towns due to their Natural Values. Plants in Urban areas

	and Landscape | 2020 | pp. 50–54 |https://doi.org/10.15414/PUAL/2020.50-54 ZARAŚ-JANUSZKIEWICZ E., FORNAL-PIENIAK B., ŻARSKA B., 2018. Dziedzictwo osadnictwa olenderskiego na Powiślu Łomniankoiwskim: analiza historyczna, diagnoza stanu i perspektywy ochrony. Problemy Ekologii Krajobrazu, tom XLVII: 73-90 [wyd. w 2019]
Experience in work with doctoral students (defended doctoral dissertations, doctoral programmes opened) in chronological order	-
Project/grants achievements (from the last 10 years)	- EDUSCIENCE project 2013 r. Abiotic team leader in the implementation of the project Enhancing pupils' competences in the field of natural sciences, mathematics and technology with the use of innovative methods and technologies - EDUSCIENCE, co-funded by the EU under the European Social Fund - Dezentrale Energiewirtschaft und Energieeffizienz [Distributed energy and energy efficiency]. 22.08.2013 - 07.07.2014 - 2nd AWARD in the SARP Warsaw competition for the revitalisation of Pole Mokotowskie Park in Warsaw, 2018. Organised by: Zarząd Zieleni m.st. Warszawy in conjunction with the Warsaw Branch of the Association of Polish Architects Composition of the author team: Jakub Botwina, Stanisław Botwina, Elżbieta Myjak- Sokolowska, Ewa Zaraś-Januszkiewicz, Michał Szaruga, Maciej Kozyra, Volodymyr Melymuka, Anna Patronowicz
Topic – research problem – for which the candidate supervisor seeks a doctoral student	- Fortress landscape - shaping the vegetation cover in historic military sites. - Shaping and transformation of the vegetation cover in contemporary urban green system facilities. - Plants in cultural landscapes. - Biodiversity in sustainable horticulture. - Biophilia and natural landscaping. - Edible wild plants in urban green spaces. - Urban horticulture. - Arboriculture and protection of mature trees. - Problems of invasive species in urban green spaces and urban forests. - Tree diagnostics. - Shaping elements of green infrastructure.
Basic expectations towards a candidate for a PhD student	Dendrology, landscape architecture
Contact details: Faulty/Institute E-mail address	Institute of Horticulture Sciences, Department of Environmental Protection and Dendrology ewa_zaras@sggw.edu.pl

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