

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

Name and surname, degree, title: <b>dr hab. Julita Rabiza-Świder</b>	
Discipline/ disciplines of science	Agriculture and horticulture
Professional development (degrees and titles) in chronological order	<p><b>MSc/BSc degree in horticulture</b>, Faculty of Horticulture at the Warsaw University of Life Sciences (SGGW), 5.07.1999, The MSc thesis title: "Senescence indicators in postharvest behaviour of cut leaves of <i>Zantedeschia aethiopica</i> and <i>Hosta plantaginea</i>", supervisor: prof. dr hab. Aleksandra Łukaszewska.</p> <p><b>PhD degree in agriculture, discipline horticulture</b>; Faculty of Horticulture and Landscape Architecture at the Warsaw University of Life Sciences (SGGW): 25.06.2003; The thesis title: "Control of the senescence in cut leaves of <i>Zantedeschia aethiopica</i> Spr. and <i>Hosta 'Undulata Erromena'</i>", supervisor: prof. dr hab. Aleksandra Łukaszewska. The work was awarded by the Board of the Faculty of Horticulture and Landscape Architecture at the Warsaw University of Life Sciences (SGGW).</p> <p><b>Habilitated doctor of agricultural sciences in the discipline of agriculture and horticulture</b>, Faculty of Horticulture, Biotechnology and Landscape Architecture, Warsaw University of Life Sciences, 29.05.2019. Dissertation title: „Effect of postharvest treatments on senescence in cut flowers of <i>Clematis</i> L.”</p>
Most important publications/patens over the last 3 years (maximum 10)	<p>Jędrzejuk A., <b>Rabiza-Świder J.</b>, Skutnik E., Łukaszewska A. 2018. Growing conditions and preservatives affect longevity, soluble protein, H<sub>2</sub>O<sub>2</sub> and MDA contents, activity of antioxidant enzymes and DNA degradation in cut lilacs. <i>Scientia Horticulturae</i> 228: 122-131.</p> <p>Sochacki D., <b>Rabiza-Świder J.</b>, Skutnik E. 2018. Ozdobne rośliny cebulowe – produkcja i zastosowanie [Ornamental bulbous plants – production and use]. KRO Warszawa, ISBN 978-83-914548-5-5: ss. 174.</p> <p>Tyrka M., Oleszczuk S., <b>Rabiza-Świder J.</b>, Wos H., Wedzony M., Zimny J., Ponitka A., Ślusarkiewicz-Jarzina A., Metzger R.J., Baenziger P.S., Lukaszewski A.J. 2018. Populations of doubled haploids for genetic mapping in hexaploid winter triticale. <i>Molecular Breeding</i> 38: 46.</p> <p><b>Rabiza-Świder J.</b>, Skutnik E., Jędrzejuk A. 2019. The effect of a sugar-containing preservative on senescence-related processes in cut clematis flowers. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> 47(2): 432-440.</p> <p><b>Rabiza-Świder J.</b>, Skutnik E., Jędrzejuk A., Sochacki D. 2020. Effect of preservatives on senescence of cut daffodil (<i>Narcissus</i> L.) flowers. <i>The Journal of Horticultural Science and Biotechnology</i> 95(3): 331-340.</p> <p><b>Rabiza-Świder J.</b>, Skutnik E., Jędrzejuk A., Rochala-Wojciechowska J. 2020. Nanosilver and sucrose delay the senescence of cut</p>

	<p>snapdragon flowers. <i>Postharvest Biology and Technology</i> 165: 111165.</p> <p>Skutnik E., Jędrzejuk A., <b>Rabiza-Świder J.</b>, Rochala-Wojciechowska J., Latkowska M., Łukaszewska A. 2020. Nanosilver as a novel biocide for control of senescence in garden cosmos. <i>Scientific Reports</i> 10: 10274.</p> <p><b>Rabiza-Świder J.</b>, Skutnik E., Jędrzejuk A., Łukaszewska A. 2020. Postharvest treatments improve quality of cut peony flowers. <i>Agronomy</i> 10(10): 1583.</p> <p>Skutnik E., Łukaszewska A., <b>Rabiza-Świder J.</b> 2021. Effects of postharvest treatments with nanosilver on senescence of cut lisianthus (<i>Eustoma grandiflorum</i> (Raf.) Shinn.) flowers. <i>Agronomy</i> 11: 215.</p>
Experience in work with doctoral students (defended doctoral dissertations, doctoral programmes opened) in chronological order	Auxiliary advisor in the doctoral thesis: Musial D.A.: "Control of postharvest longevity of forced common lilac flowers ( <i>Syringa vulgaris</i> L.)", 17.07.2019.
Project/grants achievements (from the last 10 years)	Senescence control of cut clematis ( <i>Clematis</i> sp.) and lilac ( <i>Syringa vulgaris</i> L.) flowers, 21.05.2009-20.05.2012, the research project of Ministry of Science and Higher Education No. N N310 089336, the main holder.
Topic – research problem – for which the candidate supervisor seeks a doctoral student	For many years, my research topics have been related to the postharvest physiology of floristic material. The knowledge gained in this field allows me to broaden the assortment of studied species and research problems. Since 2016, I have dealt with the postharvest control of the daffodil flowers, so as a research topic I offer this subject. Daffodil is one of the most popular bulbous plants grown for cut flowers and its flower is specifically structured. In the senescence process, daffodil flowers first lose their turgor, then the perianth dry out, and only then the corolla. The vase life of daffodil perianth varies, depending on the cultivar, from 4 to 5 days, and the corolla from 6 to 7 days. The preservatives play an important role in controlling the senescence process of cut daffodil, improving the water balance, effecting the distribution of metabolites and petal hydration, however, in the case of daffodil, their effect on flower vase life is not unambiguous and depends on the preservative compounds and the species or cultivar. Despite its popularity, there is still no effective method of extending the vase life of cut daffodil flowers, hence the need to trace the changes occurring in the corolla and perianth at the physiological, biochemical and molecular level. Perhaps this will allow to find an effective method to increase the vase life of this plant.
<p><u>Contact details:</u></p> <p>Faulty/Institute</p> <p>E-mail address</p> <p>Tel.</p>	<p>Faculty of Horticulture and Biotechnology, Institute of Horticultural Sciences</p> <p><a href="mailto:julita_rabiza_swider@sggw.edu.pl">julita_rabiza_swider@sggw.edu.pl</a></p> <p>Tel. 502263098 or 225932263</p>

