

Załącznik 1:

Wizytówka naukowa kandydata na promotora
maksymalnie 2 strony – powinna to być synteza najważniejszych elementów dorobku

Name and surname, degree, academic title: Prof.dr hab. inż. Piotr Latocha	
Scientific discipline / disciplines	Agriculture and horticulture (100%)
Professional development (academic degrees and titles) chronologically	<p>1999 - PhD in agricultural sciences in the field of horticulture (Faculty of Horticulture, Warsaw University of Life Sciences)</p> <p>2011 – postdoctoral degree (dr hab.) agricultural sciences in the field of horticulture (Faculty of Horticulture and Landscape Architecture, Warsaw University of Life Sciences)</p> <p>2022- professor of agricultural sciences</p>
The most important publications / patents / from the last 3 years (maximum 10))	<ol style="list-style-type: none"> 1. Haraf G., Goluch Z., Teleszko M., Latocha P. 2024. Potential nutritional and health benefits of sous-vide beef marinated with kiwiberry (<i>Actinidia arguta</i>) fruits addition – a preliminary study. <i>Foods</i> 13, 1446. https://doi.org/10.3390/foods13101446. 2. Fornal-Pieniak B., Stangierska-Mazurkiewicz D., Kamionowski F., Widera K., Żarska B., Latocha P. 2024. Preferences of Adults for Synanthropic Flora in the Sustainable Development of Polish Cities' Green Areas. <i>Sustainability</i> 16, 3610. https://doi.org/10.3390/su16093610 3. Pożoga M., Olewnicki D., Wójcik-Gront E., Latocha P. 2023. An efficient method of Pennisetum × advena 'Rubrum' plantlets production using the temporary immersion bioreactor systems and agar cultures. <i>Plants (Basel)</i> 12, 1534. 4. Latocha P., Łata B., Jankowski P. 2023. Variation of Chemical Composition and Antioxidant Properties of Kiwiberry (<i>Actinidia arguta</i>) in a Three-Year Study. <i>Molecules</i> 28: 455. Doi: 10.3390/molecules28010455 5. Sawicki T., Błaszczak W., Latocha P. 2023. In vitro anticholinergic and antiglycaemic properties of frost-hardy <i>Actinidia</i> fruit extracts and their polyphenol profile, L-ascorbic acid content and antioxidant capacity. <i>Food Research International</i> 173. https://doi.org/10.1016/j.foodres.2023.113324 6. Latocha P., Debersaques F., Iago H. 2021. <i>Actinidia arguta</i> (Kiwiberry): Botany, Production, Genetics, Nutritional Value, and Postharvest Handling. <i>Horticultural Reviews</i> 48, 37-151, wyd. John Wiley & Sons, Inc. Doi: 10.1002/9781119750802.ch2 7. Stasiak A., Latocha P., Bieniasz M. 2021. Effect of Genetically Diverse Pollen on Pollination, Pollen Tube Overgrow, Fruit Set and Morphology of Kiwiberry (<i>Actinidia arguta</i>). <i>Agronomy (Basel)</i> 11(9), 1814. Doi: 10.3390/agronomy11091814 8. Abdullah M., Sliwinska E., Góralski G., Latocha P., Tuleja M., Widyna P., Popielarska-Konieczna M. 2021. Effect of medium composition, genotype and age of explant on the regeneration of hexaploid plants from endosperm culture of tetraploid kiwiberry (<i>Actinidia arguta</i>). <i>Plant Cell, Tissue and Organ Culture</i> 147: 569-582. Doi: 10.1007/s11240-021-02149-5 9. Silva A.M., Costa P., Delerue-Matos C., Latocha P., Rodrigues F. 2021. Extraordinary composition of <i>Actinidia arguta</i> by-products as promising skin ingredient: A new challenge for cosmetic industry.

	<p>Trends in Food Science & Technology 116: 842-853. Doi: 10.1016/j.tifs.2021.08.031</p> <p>10. Błaszczak W., Latocha P., Jeż M., Wiczkowski W. 2021. The impact of high-pressure processing on the polyphenol profile and anti-glycaemic, anti-hypertensive and anti-cholinergic activities of extracts obtained from kiwiberry (<i>Actinidia arguta</i>) fruits. Food Chemistry 343, 128421. Doi: 10.1016/j.foodchem.2020.128421</p>
Experience in working with PhD students (defended PhDs, open courses), chronologically	<ul style="list-style-type: none"> • Supervisor: Agnieszka Stasiak: „The influence of genetic variation on flowering, setting, and quality of kiwiberry fruits (<i>Actinidia arguta</i>)” PhD thesis opened in September 2017. • Supervisor: Mateusz Korbik: „The influence of selected factors and species on the condition of street trees in the first years after their planting”. Doctoral School. 2022
Project / grant achievements (from the last 10 years)	<ul style="list-style-type: none"> • Project manager: ARiMR 2021-2022 grant: PROW, action no. 16 "Cooperation" Contract number 00011.DDD.6509.00015.2019.07 - "Development of an optimal post-harvest technology for minikiwi fruit (<i>Actinidia arguta</i>) and a prototype of a non-invasive fruit sorting module (MODOM)". • Project manager: NCBiR grant 2015-2019: PBS program. Contract no. PBS3/A8/35/2015 - "Development of a technology for commercial cultivation of Kiwiberry (mini kiwi) in the conditions of central Poland". • Project manager: minigrant for pre-implementation works under the Innovation Incubator + project, 2017-2018: Title: "The final appearance of the MiniKiwi fruit product". Project number (funding source): 513-01-040900-P00064-04.. • Contractor: minigrant for pre-implementation works under the Innovation Incubator + project, 2017-2018: Title: "Minikiwi fruit (<i>Actinidia arguta</i>) feed additive for chickens for slaughter". Project number (funding source): 513-01--070300-P00064-04. • Contractor: minigrant for pre-implementation works under the Innovation Incubator + project, 2017-2018: Title: "Dried mini kiwi as an innovative snack". Project number (funding source): 513-01-092600-P00064-04. • Contractor: NCN grant 2013-2015: OPUS program. Contract No. UMO-2012/05/B/NZ9/03327 - "The influence of bioactive components of mini kiwi fruit (<i>Actinidia arguta</i>) on the transcriptomic and miRNA profile and lipid metabolism in the tissues of rats with induced hypercholesterolaemia".
Thematic scope - a research problem - to be solved by a PhD student	<ol style="list-style-type: none"> 1. <i>Actinidia arguta</i> – factors influencing the quality of fruit in commercial cultivation; 2. Response of various tree species to climate change 3. Factors influencing the degree of regrowing and further growth of newly planted street trees in the example of Warsaw; 4. Influence of the type of surface coverage on the growth and condition of city trees
Basic expectations towards a candidate for a PhD student	<ul style="list-style-type: none"> • Knowledge of horticulture practice; • Basic knowledge of botany; • Knowledge of issues related to urban trees
<u>Contact details:</u> <u>Faculty / Institute</u> <u>e-mail address</u>	<p>Institute of Horticulture Sciences, Department of Environmental Protection and Dendrology; Faculty of Horticulture</p> <p>piotr_latocha@sggw.edu.pl</p> <p>604180777</p>

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