

Candidate supervisor's information summary form

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

Name and surname, degree, title: Ewa Mirzwa-Mróz, dr. hab.	
Discipline/ disciplines of science	agriculture and horticulture
Professional development (degrees and titles) in chronological order	1992 - MSc in agriculture, specialization in plant protection 2000 – PhD of agricultural sciences 2015 – dr. hab. of agricultural sciences in the field of horticulture, specialization in phytopathology
Most important publications/patens over the last 3 years (maximum 10)	<ol style="list-style-type: none"> 1. Wit M., Ochodzki P., Warzecha R., Jabłońska E., Mirzwa-Mróz E., Mielniczuk E., Wakuliński W. 2022. Influence of endosperm starch composition on maize response to <i>Fusarium temperatum</i> Scaufl. & Munaut. <i>Toxins</i> 14 (3), 200: 1-13 https://doi.org/10.3390/toxins14030200. 2. Kimic K., Mirzwa-Mróz E., Szyndel, M.S. 2022. Diagnosis and recommendations for management of trees and shrubs in green squares in Warsaw based on research on fungal diseases. <i>Trees</i> (2022). https://doi.org/10.1007/s00468-022-02270-8 3. Dąbrowska E., Paduch-Cichal E., Piasna P., Malewski T., Mirzwa-Mróz E. 2021. First report of Tomato black ring virus infecting raspberry and blackberry in Poland. <i>Plant Disease</i> 105(10): 3310 https://doi.org/10.1094/PDIS-11-20-2321-PDN. 4. Schollenberger M., Gadomska-Gajadhur A., Mirzwa-Mróz E., Kret D., Skutnik E., Paduch-Cichal E., Gleason M. 2021. The influence of plant essential oils on in vitro growth of <i>Pectobacterium</i> and <i>Dickeya</i> spp. <i>Bacteria. Acta Scientiarum Polonorum Hortorum Cultus</i> 20 (6): 19-28 https://doi.org/10.24326/asphc.2021.6.3. 5. Wit M., Sierota Z., Zółciak A., Mirzwa-Mróz E., Jabłońska E., Wakulinski W. 2020. Phylogenetic Relationships between <i>Phlebiopsis gigantea</i> and selected Basidiomycota species inferred from partial DNA sequence of Elongation factor 1-Alpha gene. <i>Forests</i> 11 (5): 592:10 pp. http://dx.doi.org/10.3390/f11050592. 6. Jabłońska E., Piątek K., Wit M., Mirzwa-Mróz E., Wakuliński W. 2020. Molecular diversity of the <i>Fusarium fujikuroi</i> species complex from maize. <i>Eur J Plant Pathol</i> 158: 859-877. https://doi.org/10.1007/s10658-020-02121-7. 7. Mirzwa-Mróz E., Kukuła W., Kuźma K., Wit M, Jabłońska E., Wakuliński W., Paduch-Cichal E. 2019. First report of downy mildew caused by <i>Plasmopara muralis</i> on Boston Ivy (<i>Parthenocissus tricuspidata</i>) in Poland. <i>Plant Disease</i> 103 (7): 1793. https://doi.org/10.1094/PDIS-01-19-0034-PDN. 8. Schollenberger M., Pudło S., Paduch-Cichal E., Mirzwa-Mróz E. 2019. Efficacy of biochemical preparations and extract from

	<p><i>Hypericum perforatum</i> against bacterial diseases. Acta Sci. Pol. Hortorum Cultus 18(3) 2019: 147–156, DOI: 10.24326/asphc.2019.3.14.</p>
<p>Experience in work with doctoral students (defended doctoral dissertations, doctoral programmes opened) in chronological order</p>	<p>Doctoral programmes opened: Biology and epidemiology of <i>Valdensinia heterodoxa</i> as the causal agent of highbush blueberry leaf blotch.</p>
<p>Project/grants achievements (from the last 10 years)</p>	<ol style="list-style-type: none"> 1. 2008-2012 KBN (National Science Center) N N310 303834, own project "Sooty blotch as a threat to organic apple cultivation" - project manager. 2. 2017-2019, Ministry of Agriculture and Rural Development (task 92) "<i>F. temperatum</i>, importance and harmfulness in maize crop, search and characterization of resistance sources"- project contractor in 2017, 2018, -2019). 3. 2021- project KZL AGREEMENT No. 18 / INO / SGGW / 2021 "Remains of orchards in Komańcza municipality as an element of tourist promotion of the municipality" - project manager. 4. Warsaw Plant Health Initiative. UE 7Framework Program, REGPOT Grant (No286093), 2011 - 2015: <ol style="list-style-type: none"> a. Leader of MycoTeam in Work package - WP5 b. Participant of Work package - WP1 Update of research policy and enhancement of internal organization. "WULS Plant Health-Warsaw Plant Health Initiative" Seventh Framework Program: FP7-REGPOT-2011-1, Grant Agreement no. 286093.
<p>Topic – research problem – for which the candidate supervisor seeks a doctoral student</p>	<p>Studies on the occurrence of diseases of fruit plants caused by fungi (mainly fruit tree cancer, sooty blotch and flyspeck apple blotch).</p> <p>The research will cover: the identification and characterization of pathogens on the basis of their morphological features and the use of molecular study, assessment of the reaction of selected varieties of fruit plants to pathogen infections, the life cycle of causal agents of diseases and the range of host plants of investigated diseases.</p>
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