

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. Mirzwa-Mróz E., Szyndel M.S., Wdowiak M., Wit M., Paduch-Cichal E., Wilkos A., Felczak-Konarska K., Wakuliński W. 2023. Phenotypic characterization and phylogeny of <i>Godronia myrtilli</i> (anamorph: <i>Topospora myrtilli</i>)—causal agent of Godronia canker on highbush blueberry. <i>Pathogens</i> 2023, 12, 642. https://doi.org/10.3390/pathogens12050642. 2. Paduch-Cichal E., Mirzwa-Mróz E., Wojciechowska P., Bączek K., Kosakowska O., Węglarz Z., Szyndel M.S. 2023. Antiviral activity of selected essential oils against <i>Cucumber Mosaic Virus</i>. <i>Plants</i> 12(1): 18. https://doi.org/10.3390/plants12010018. 3. Wilkos A., Mirzwa-Mróz E., Abramczyk I., Jabłońska E., Wit M., Wakuliński W., Paduch-Cichal E. 2022. Identification of causal agent of wilt of common sage (<i>Salvia officinalis</i> L.). <i>Herba Pol.</i> 68(2): 36-45, DOI: 10.2478/hepo-2022-0013]. 4. 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. 5. 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 6. 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. 7. 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. 8. Kimic K., Mirzwa-Mróz E., Łukaszewska M., Szyndel M. S. 2021. Fungal diseases of trees and shrubs growing in Siberian Square in Warsaw. <i>Ecological Questions</i> 32 (3): 101-109.

	<p>ISSN:1644-7298, E-ISSN:2083-5469, http://doi.org/10.12775/EQ.2021.028.</p> <p>9. 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.</p> <p>10. 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.</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>Epiphytic fungi inhabiting apples.</p> <p>The research will include:</p> <ul style="list-style-type: none"> - molecular analysis of selected regions of the genome in order to identify fungi inhabiting the apple skin, - the morphology of these microorganisms, - research on the occurrence of mating types of selected epiphytes,

	<ul style="list-style-type: none">- the presence of secondary metabolites produced by selected microorganisms,-use of biopreparations to protect apple trees against epiphytic fungi.
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