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

| Name and surname, degree, title: dr hab. Marta Joanna Monder, prof. SGGW | |
|---|---|
| Academic discipline/disciplines | Agriculture and horticulture |
| Professional development (degrees and titles) in chronological order | 2019. Post-doctoral degree, discipline agriculture and horticulture. Faculty of Horticulture, Biotechnology and Landscape Architecture, Warsaw University of Life Sciences (SGGW)<br>2020. One-year Postgraduate Management Studies. SGH. Warsaw School of Economics.<br>2005. Doctor of Philosophy in Agriculture, in the field in Horticulture, Faculty of Horticulture of University of Life Sciences (before Agriculture Academy) in Lublin.<br>1997. Master of Sciences, in Horticulture, ornamental plants specialisation. Faculty of Horticulture, University of Life Sciences in Warsaw, Section of Dendrology (Landscape Architecture unit) |
| Most important publications/ patents in the last 3 years (maximum 10) | 1. Samsurizal N.A., Monder M.J., Pacholczak A. 2025. Echinacea purpurea morphological and biochemical response to combined LED light and sucrose level in in vitro culture. Plant Cell Tiss Organ Cult 163, 86. (IF 2.4; 100 pkt.)<br>2. Monder M.J., Pacholczak A., Zajączkowska M. 2024. Directions in ornamental herbaceous plant selection in the Central European temperate zone in the time of climate change: benefits and threats. Agriculture 2024, 14(12), 2328; (IF 2024 3.3; 100 pkt)<br>3. Monder M.J., Bąbelewski P., Szperlik J., Kościelak A. 2023. The adjustment of China endemic Heptacodium miconioides Rehd. to temperate zone of Poland. BMC Plant Biology, vol. 23, s.1-37, 184. (IF 2022 5.26; 140 pkt).<br>4. Monder M.J., Bąbelewski P., Sołtan S. 2023. Diversity in anatomical features of rose rootstock root necks: Rosa canina 'Inermis', 'Pfänder', 'Schmid's Ideal', Rosa laxa Retz and Rosa multiflora Thunb.. Scientia Horticulturae, 316, 1-15, 112004. (IF 2022 4.342; 140 pkt) |

| | |
|---|---|
| | 5. Monder M.J., Pacholczak A. 2023. Polyphenolic acid changes in stem cuttings of rosa cultivars in relation to phenological stage and rooting enhancers. Agronomy, 13(5), 1405; (IF 2022 3.949; 100 pkt)<br>6. Pacholczak A., Nowakowska K., Monder M.J. 2023. Starch based superabsorbent enhances the growth and physiological traits of ornamental shrubs, Agriculture, 13(10), 1893, 1-25, (IF 3,6; 140 pkt)<br>7. Monder M.J., Bąbelewski P. 2023. Anatomical study of the bud union in T-budded Rosa gallica 'Duchesse d'Angoulême' and ground cover rose 'Vensar' on selected rootstocks. Acta Horticulturae, (20 pkt) |
| Experience in work with doctoral students (defended doctoral dissertations, initiated doctoral procedures) in chronological order | Auxiliary supervisor mgr Nabilah Samsurizal (2023/2024); supervisor dr hab. Andrzej Pacholczak, prof. SGGW |
| Achievements in the area of projects/grants<br>(in the last 5 years) | Monder M.J. Pacholczak. A. 2024. Morphological assessment of tropical plants species. KZL |
| Subject area of the research project for which the candidate student is being recruited | 1. The plasticity of the genus Rosa under changing climatic conditions<br>2. The biological basis of rootstock-scion relationships in budded rose shrubs under stress conditions<br>3. The assessment of ecotypes of the genus Rosa in terms of suitability for cultivation and breeding of rootstocks and cultivars<br>4. The phenology and cambium activity response of native and alien woody species to the changing climatic conditions |
| <u>Contact details:</u><br>Institute<br>E-mail address<br>Telephone number | <br>Institute of Horticultural Sciences<br>marta_monder@sggw.edu.pl<br>tel. +48 22 593 22 64 |