

Candidate supervisor's information summary form

Name and surname, degree, title:	dr hab. Małgorzata Maśko
Discipline/ disciplines of science	Animal science and fisheries
Professional development (degrees and titles) in chronological order	<p>Studies at the Faculty of Animal Sciences. Graduate in the field of Zootechnics in University of Agriculture in Krakow; Degree obtained: M.Sc. Eng. 1997</p> <p>Full-time PhD studies at the Faculty of Animal Sciences of the Warsaw University of Life Sciences in the field: Zootechnics. Obtaining the PhD degree in Agricultural Sciences 2016</p> <p>Post-doctoral degree in the field of Agricultural Sciences, in the discipline of Zootechnics and Fishing, 2022</p>
Most important publications/patens over the last 3 years (maximum 10)	<p>Domino M., Borowska M., Kozłowska N., Trojakowska A., Zdrojkowski Ł., Jasiński T., Smyth G., Maśko M. Advances in thermal image analysis for the detection of pregnancy in horses using infrared thermography. <i>Sensors</i> 2022; (DOI: 10.3390/s22010191) (pkt. 100, IF 3,576).</p> <p>Domino M., Borowska M., Kozłowska N., Zdrojkowski Ł., Jasiński T., Smyth G., Maśko M. Selection of Image Texture Analysis and Color Model in the Advanced Image Processing of Thermal Images of Horses following Exercise. <i>Animals</i> 2022; (DOI: 10.3390/ani12040444) (pkt. 100, IF 3,576).</p> <p>Maśko M., Lewczuk D., Szarska E., Domino M. Successive approximation of horses to their first work on a treadmill: The effect of previous loading into a trailer. <i>Animal Science Journal</i> 2022; 93, e13687. (DOI: DOI:10.1111/asj.13687) (pkt. 100, IF 1,749).</p> <p>Maśko M., Borowska M., Domino M., Jasiński T., Zdrojkowski Ł., Gajewski Z. A novel approach to thermographic images analysis of equine thoracolumbar region: the effect of effort and rider's body weight on structural image complexity. <i>BMC Veterinary Research</i> 2021, 17(1), 1-12. (DOI: 10.1186/s12917-021-02803-2) (pkt. 140, IF 1,835)</p> <p>Maśko M., Witkowska-Piłaszewicz O., Jasiński T., Domino M. Thermal features, ambient temperature, and hair coat lengths: limitations of infrared imaging in pregnant primitive breed mares over the year. <i>Reproduction in Domestic Animals</i> 2021; 56, 1315-1328 (DOI: 10.1111/rda.13994) (pkt. 100, IF 2,005).</p> <p>Maśko M., Wierzbicka M., Zdrojkowski Ł., Jasiński T., Pawliński B., Domino M. Characteristic of the donkey's dorsal profile in relation to the functional body condition assessment. <i>Animals</i> 2021; (DOI: 10.3390/ani11113095) ((pkt. 100, IF 2,323).</p> <p>Lewczuk D., Maśko M. Symmetry and regularity of recreation horse during treadmill training. <i>Livestock Science</i> 2021; (DOI: 10.1016/j.livsci.2021.104773) (pkt. 140, IF 1,943)</p> <p>Maśko M., Domino, M., Lewczuk, D., Jasiński, T., Gajewski, Z.</p>

	<p>Horse behavior, physiology and emotions during habituation to a treadmill. <i>Animals</i> (Basel). 2020, 10(6), 921 (DOI: 10.3390/ani10060921) (pkt. 100, IF 2,323).</p> <p>Maśko M., Zdrojkowski Ł., Domino M., Jasiński T., Gajewski Z. The pattern of superficial body temperatures in leisure horses lunged with commonly used lunging aids. <i>Animals</i> (Basel). 2019, 9(12), E1095. (DOI:10.3390/ani9121095) (pkt. 100, IF 2,323).</p>
Experience in work with doctoral students (defended doctoral dissertations, doctoral programmes opened) in chronological order	----
Project/grants achievements (from the last 10 years)	<p>Grant NCBiR POIR 2014-2020 POIR.01.01.01.-00-0641/17 (2018) - "An innovative mechanical treadmill for horses with a unique IT system for training management " - task leader (2018-2019)</p> <p>Executing unit: MASTER-SPORT</p> <p>Grant NCBiR POIR 2014-2020 POIR.01.01.01-00-1001/20 (2020-2023) - "Innovative training system for horses based on the synergy of unique technical solutions supported by an IT system using AI algorithms" - task leader (2022-2023)</p> <p>Executing unit: TECHNO HORSE</p> <p>Grant NCN Miniatura 3 2019/03/X/NZ9/01759 (2019-2020) - " Non-invasive assessment of the course of pregnancy in wild equines - preliminary studies on the model of the Polish Konik (<i>Equus caballus gmelini Antonius</i>)" - coordinator (2019-2020)</p>
Topic – research problem – for which the candidate supervisor seeks a doctoral student	<ol style="list-style-type: none"> 1. An application of geometric morphometry in the assessment of the suitability for use of horses of breeds housed in Poland. 2. Modern methods of equine welfare assessment.
<p><u>Contact details:</u></p> <p>Faulty/Institute</p> <p>E-mail address</p> <p>Tel.</p>	<p>Institute of Animal Sciences</p> <p>malgorzata_masko@sggw.edu.pl</p> <p>tel. +48 22 593 65 47</p>