

Candidate supervisor's information summary form

Name and surname, degree, title: <b>dr hab. Ewa Kuźnicka</b>	
Discipline/ disciplines of science	Animal Sciences and Fisheries
Professional development (degrees and titles) in chronological order	2018 – Postdoctoral degree; 1991 – PhD; 1982 – Master of science
Most important publications/patens over the last 3 years (maximum 10)	<ul style="list-style-type: none"> <li>➤ Kuźnicka, E., Kunowska-Slósarz, M., Gabryszak, M., 2020: The ovulation rate, plasma leptin concentration, and litter size of a local ewe breed kept in a barn versus those kept under an overhead shelter, <i>Agriculture (Switzerland)</i>, 10(9), pp. 1–9, 403 (<i>IF</i> = 2,1)</li> <li>➤ Gabryszak, M., Barszczewski, J., Kuźnicka, E., Sakowski, T., 2020: Effect of long-term fertilization of the permanent dry meadow on the zinc content in soil and meadow sward, <i>J. of Water and Land Dev.</i>, 47(1), pp. 61–65 (<i>IF</i> 0,4)</li> <li>➤ Kuźnicka, E., Gburzyński, P., 2017: Automatic detection of suckling events in lamb through accelerometer data classification, <i>Comput. Electron. in Agric</i> 138: 137-147. (<i>IF</i> 2,2)</li> <li>➤ Kuźnicka, E., Gabryszak, M., Kunowska-Slósarz, M., Gołębiewski, M., Balcerak, M., 2017: Plasma leptin as a predictor for carcass composition in growing lambs, <i>Can. J. Anim. Sci.</i> 97: 193–198, (<i>IF</i> = 0,8)</li> <li>➤ Kuźnicka, E., Rant, W., Radzik-Rant, A., Kunowska-Slósarz, M., Balcerak, M., 2016: The ovulation rate, plasma progesterone and estradiol concentration, and litter size of a local ewe breed kept in a barn vs. those kept under an overhead shelter, <i>Arch. Anim. Breed.</i>, 59: 145–150, (<i>IF</i> = 0,5)</li> </ul>
Experience in work with doctoral students (defended doctoral dissertations, doctoral programmes opened) in chronological order	I have never been a doctoral supervisor
Project/grants achievements (from the last 10 years)	<ul style="list-style-type: none"> <li>➤ Grant from the Warsaw University of Life Sciences, Remote monitoring of the frequency of milk intake by lamb and its contact with the ewes using wireless communication technology (2015-2016) conducted in cooperation with companies from Canada and Poland. Grant</li> </ul>

	<p>manager</p> <ul style="list-style-type: none"> <li>➤ "BIOFOOD –innovative, functional products of animal origin no. POIG.01.01.02-014-090/09 co-financed by the European Union from the European Regional Development Fund within the Innovative Economy Operational Programme 2007-2013.Subtask manager</li> <li>➤ KBN Nr 2P06Z 020 26 (March 15, 2004 - March 14, 2007): Comparison of the parameters of reproduction, milk yield and the value of slaughter material in Polish lowland sheep of the Żelazna breed kept in different environmental conditions. Grant manager</li> </ul>
<p>Topic – research problem – for which the candidate supervisor seeks a doctoral student</p>	<p>"Evaluation of working and trained animal welfare using RFID technology:"</p> <ul style="list-style-type: none"> <li>a) automated, objective detection of anomalies suggesting behavioural disorders, fatigue, stress or health problems of working and companion dogs,</li> <li>b) automated, objective detection of anomalies suggesting behavioural disorders, fatigue, stress or health problems of training horses,</li> <li>c) maternal behaviour of sheep and goats.</li> </ul> <p>The device sends a series of telemetry readings to the collection point (by radio) which are synchronised with camera records and stored in the database. Then telemetry data will be analysed "offline" to detect automatically animal emotional state signatures.</p>
<p><u>Contact details:</u> Faculty/Institute E-mail address Tel.</p>	<p>Institute of Animal Sciences Department of Animal Breeding <a href="mailto:ewa_kuznicka@sggw.edu.pl">ewa_kuznicka@sggw.edu.pl</a> 502-532-731</p>