

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

Marek Gaworski, PhD, DSc, Eng., Professor	
Academic discipline/disciplines	Mechanical engineering
Professional development (degrees and titles) in chronological order	<p>1986: MSc, field of study: Agricultural and Forest Engineering, Faculty of Agricultural and Forest Engineering, Warsaw Agricultural University – SGGW AR</p> <p>1995: PhD in the field of agricultural engineering, Faculty of Agricultural and Forest Engineering, Warsaw University of Life Sciences – SGGW</p> <p>2006: habilitated doctor of agricultural sciences in the field of agricultural engineering, Faculty of Agriculture, Wrocław University of Environmental and Life Sciences</p> <p>2024: professor of engineering and technical sciences in the discipline of mechanical engineering</p>
Most important publications/patents in the last 3 years (maximum 10)	<p>Gaworski M., Boćkowski M. 2026. Non-standard technical solutions in Polish tie-stall and loose-housing barns: Farmer initiatives to improve the comfort of dairy cattle. <i>Animals</i>, Vol. 16(01), 0064, 1-17.</p> <p>Gaworski M. 2025. How do we recognize the effects of dairy cattle activity in the lying area? – A case study in free-stall barns. <i>Animals</i>, Vol. 15(06), 0880, 1-17.</p> <p>Gaworski M. 2025. Ruminant welfare assessment. <i>Animals</i>, Vol. 15(13), 1935, 1-3.</p> <p>Gaworski M., Boćkowski M. 2025. Comparison of four generations of milking on Polish dairy farms. <i>Agriculture</i>, Vol. 15(05), 0548, 1-14.</p> <p>Gaworski M., McLellan K., von Keyserlingk M.A.G., Weary D.M. 2025. How dairy heifers initially respond to freestalls: The effect of neck-rail placement. <i>JDS Communications</i>, Vol. 6, p. 95-99.</p> <p>Gaworski M., Sołtys P. 2025. Assessment of consumer awareness regarding the implementation of innovative food packaging. <i>Agronomy Research</i>, Vol. 23, No. S1, p. 15-26.</p> <p>Gaworski M., Kic P. 2024. Assessment of production technologies on dairy farms in terms of animal welfare. <i>Applied Sciences</i>, Vol. 14(14), 6086, 1-18.</p> <p>Gaworski M. 2023. Behavior of cows in the lying area when the exit gates in the pens are opened: How many cows are forced to get up to go to the milking parlor? <i>Animals</i>, No. 13(18), 2882,</p>

	<p>p. 1-15.</p> <p>Gaworski M. 2023. Milk yield of cows in some European countries and the implementation of automatic milking systems. <i>Agronomy Research</i>, Vol. 21, No. S2, p. 460-470.</p> <p>Gaworski M. 2023. Device for measuring the force generated by dairy cattle. Patent No. 244581, Date of grant: 25-10-2023.</p>
Experience in work with doctoral students (defended doctoral dissertations, initiated doctoral procedures) in chronological order	<p>Supervisor of completed doctoral dissertations:</p> <p>Michał Boćkowski, PhD: „Method to assess dairy cattle welfare conditions depending on production technical equipment”, 2012</p> <p>Łukasz Koziół, PhD: „Method of assessing technical facilities for the care of fruit trees”, 2015</p> <p>Marta Bloch-Michalik, PhD: Technology of using methane fermentation by-product as a secondary fuel, taking into account energy aspects”, 2018</p>
Achievements in the area of projects/grants (in the last 5 years)	
Subject area of the research project for which the candidate student is being recruited	<p>The impact of technical equipment in the barn on the welfare of dairy cattle.</p> <p>Research on the effects of implementing various forms of progress in the area of mechanical engineering.</p>
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