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	1986: MSc, field of study: Agricultural and Forest Engineering, Faculty of Agricultural and Forest Engineering, Warsaw Agricultural University – SGGW AR 1995: PhD in the field of agricultural engineering, Faculty of Agricultural and Forest Engineering, Warsaw University of Life Sciences – SGGW 2006: habilitated doctor of agricultural sciences in the field of agricultural engineering, Faculty of Agriculture, Wrocław University of Environmental and Life Sciences 2024: professor of engineering and technical sciences in the discipline of mechanical engineering
Most important publications/ patents in the last 3 years (maximum 10)	Gaworski M. 2025. Determining dairy cattle activity in the lying area – A case study in free-stall barns. *Animals*, Vol. 15(06), 0880, 1-17. Gaworski M., Boćkowski M. 2025. Comparison of four generations of milking on Polish dairy farms. *Agriculture*, Vol. 15(05), 0548, 1-14. 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. *JDS Communications*, Vol. 6, p. 95-99. Gaworski M., Kic P. 2024. Assessment of production technologies on dairy farms in terms of animal welfare. *Applied Sciences*, Vol. 14(14), 6086, 1-18. 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? *Animals*, No. 13(18), 2882, p. 1-15. Gaworski M. 2023. Milk yield of cows in some European countries and the implementation of automatic milking systems. *Agronomy Research*, Vol. 21, No. S2, p. 460-470. Gaworski M. 2023. Device for measuring the force generated by dairy cattle. Patent No. 244581, Date of granting the right: 25-10-2023. Gaworski M., Boćkowski M. 2022. Comparison of cattle housing systems based on the criterion of damage to barn equipment

	and construction errors. *Animals*, 12(19), 2530, p. 1-19. Gaworski M., Borowski P.F., Kozioł Ł. 2022. Supporting decision-making in the technical equipment selection process by the method of contradictory evaluations. *Sustainability*, 14(13), 7911, p. 1-17. Gaworski M. 2021. Implementation of technical and technological progress in dairy production. *Processes*, 9(12), 2103, p. 1-21.
Experience in work with doctoral students (defended doctoral dissertations, initiated doctoral procedures) in chronological order	Supervisor of completed doctoral dissertations: Michał Boćkowski, PhD: „Method to assess dairy cattle welfare conditions depending on production technical equipment", 2012 Łukasz Kozioł, PhD: „Method of assessing technical facilities for the care of fruit trees", 2015 Marta Bloch-Michalik, PhD: Technology of using methane fermentation by-product as a secondary fuel, taking into account energy aspects", 2018
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	The impact of technical equipment in the barn on the welfare of dairy cattle. Research on the effects of implementing various forms of progress in the area of mechanical engineering.
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