Candidate supervisor's information summary form

Name and surname, degree, title: **dr hab. Andrzej Łozicki, prof. SGGW**	
Discipline/ disciplines of science	Animal Science and fisheries
Professional development (degrees and titles) in chronological order	➢ 1995- MSc Eng of zootechnics (title of MSc thesis: Prevention of parasitic diseases in hares from open farms) ➢ 2002 - degree of doctor of agricultural sciences in the field of animal science (title of doctoral dissertation: Analysis of production efficiency with different feeding regimens in farms of Hereford cattle) ➢ 2018 - post-doctoral degree of agricultural sciences in the field of animal science (title of dissertation: Effect of nutritional and genetic factors on the quality of beef and zubron meat)
Most important publications/patens over the last 3 years (maximum 10)	➢ Sawosz E., Łukasiewicz M., Łozicki A, Sosnowska M., Jaworski S, Niemiec J., Scott S., Jankowski J., Józefiak D., Chwalibog A. (2018) Can copper nanoparticles replace copper salts as a mineral supplement for chickens?" Archives of Animal Nutrition, 72, 5, https://doi.org/10.1080/1745039X.2018.1505146 ➢ Halik G., Łozicki A., Wilczak J. , Arkuszewska E., Makarski M. (2018) Pumpkin silage as a feed that improves nutritional properties of cow's milk. Journal of Agricultural Science and Technology, 20 (7), 1383-1394. ➢ Halik G., Łozicki A., Koziorzębska A. Arkuszewska E. Puppel K. (2019) Effect of the diets with pumpkin silage and synthetic β-carotene on the carotenoid, immunoglobulin and bioactive protein content and fatty acid composition of colostrum. Journal of Animal Physiology and Animal Nutrition, 103 (1), 1-7. DOI:10.1111/jpn.1300 ➢ Sońta M., Łozicki A., Szymańska M., Sosulski T., Szara E., Wąs A., van Pruissen G.W.P., Cornelissen R.L. (2020) Duckweed from a biorefinery system: nutrient recovery efficiency and forage value , Energies, 13 (20), 1-14, 5261. DOI:10.3390/en13205261 ➢ Makarski M., Niemiec T., Łozicki A., Pietrzak D., Adamczak L., Chmiel M., Florowski T., Koczoń P. (2020) The effect of silica-calcite sedimentary rock contained in the chicken broiler diet on the overall quality of chicken muscles. Open Chemistry, 18 (1), 215-225. DOI:10.1515/chem-2020-0022 ➢ Łukasiewicz M., Łozicki A., Casey N. H., Chwalibog A., Niemiec J., Matuszewski A., Sosnowska M., Wierzbicki M., Zielińska M., Bałaban M., Sawosz E. (2020) Effect of zinc nanoparticles on embryo and chicken growth , and the content of zinc in tissues and faeces. South African Journal of Animal Science, 50 (1), 109-119. DOI:10.4314/sajas.v50i1.12 ➢ Łozicki A., Niemiec T., Pietrasik R., Pawęta S., Rygało-Galewska A., Zglińska K. (2020) The Effect of Ag Nanoparticles and Multimicrobial Preparation as Factors Stabilizing the Microbiological Homeostasis of Feed Tables for Cornu aspersum (Müller) Snails on Snail Growth and Quality Parameters of Carcasses and Shells. Animals, 10 (12), 1-13, 2260. DOI:10.3390/ani10122260

	➢ Matuszewski M., Łukasiewicz M., Łozicki A., Niemiec J.,Zielińska-Górska M., Scott A., Chwalibog A., Sawosz E. (2020) The effect of manganese oxide nanoparticles on chicken growth and manganese content in excreta. Animal Feed Science and Technology, 268, 1-12, 114597. DOI:10.1016/j.anifeedsci.2020.114597 ➢ Zglińska K, Niemiec T, Łozicki A, Matusiewicz M, Szczepaniak Jł, Puppel K, Kutwin M, Jaworski S, RygałoGalewska A, Koczoń P. (2021) Effect of Elaeagnus umbellata (Thunb.) fruit extract on H2O2-induced oxidative and inflammatory responses in normal fibroblast cells. PeerJ, 9:e10760 http://doi.org/10.7717/peerj.10760
Experience in work with doctoral students (defended doctoral dissertations, doctoral programmes opened) in chronological order	➢ PhD thesis supervisor of Dr. Gabriela Halik: "The effect of pumpkin silage on the production results of dairy cows and the nutritional and functional value of colostrum and milk." The work was defended on 15.01.2019 ➢ PhD thesis supervisor of Agata Koziorzębska, MA: "Assessment of the nutritional value and health properties of the pumpkin dried and pumpkin silage in the research on rats and dairy cows"
Project/grants achievements (from the last 10 years)	➢ FODDER PRO: Technologies of using by-products of agricultural products processing. Financing of the project -NCBiR, implementation in 2019-2022 ➢ Implementation and verification of the system ensuring optimal humidity and hygiene safety of feed tables in intensive breeding Helix aspersa Muller. Financing of the project -NCBiR, implementation in 2017-2018. ➢ "Environment, Agriculture and Forestry" programme BIOSTRATEG"/267659/7/NCBIR/2015 GUTFEED – innovative nutrition in sustainable poultry production". Financing of the project -NCBiR, implementation in 2015-2018. ➢ Pumpkin silage with an increased content of dry matter and carotenoids as a functional feed in dairy cow nutrition. Financing of the project - KBN, implementation in 2011-2014.
Topic – research problem – for which the candidate supervisor seeks a doctoral student	Development of the concept of optimal use in animal nutrition of various by-products from the agri-food industry: Research will include: ➢ Preservation and utilization of wet by-products, ➢ Effect of by-products used in the diets on growth performance of animals, their health, quality of animal products and environmental sustainability,
Contact details: Faulty/Institute E-mail address Tel.	Institute of Animal Sciences Division of Animal Nutrition andrzej_lozicki@sggw.edu.pl +48 22 59 366 62