

PROFILE FOR INSTITUTE WEBSITE

Current photo in graphic file e.g. 2024, 2023.	
Name and surname, Title	Paweł Urbański, doctor of agricultural sciences
Position	Adiunkt, Department of Genomics and Biodiversity
Hirsch Index and Number of citations (according to Scopus) on the day of completing the form	• <i>h</i> Index = 10; • quantity of citations = 301;
Research areas (in points, min. 200 characters, max. 500 characters)	1. Nutrigenomics and nutrigenetics - determining the impact of beneficial pig feed additives on changes in the transcriptomic and proteomic profile. 2. Epigenetics - identification and analysis of factors determining activity of gene (analysis of changes in expression of genes). 3. Polymorphism and expression of selected candidate genes influencing the quality of pig carcasses and meat.
Total number of completed research projects; currently implemented research projects (title and number) and selected max. 3 completed projects (title and number) from the newest ones, i.e. 2024, 2023, 2022...	• The manager of one project entitled: "Polymorphism of selected genes candidate for the status of "main genes" for pig carcass quality traits" project no.: N31106032/3422, the final date: April 4, 2010 • The contractor in two projects.
Total number of publications; ORCID (number and hyperlink to the profile); SCOPUS (number and hyperlink to the profile); indicate selected publications (max. 5)	• quantity of publications = 38 • number of ORCID: 0009-0000-0009-1457; https://orcid.org/0009-0000-0009-1457, • number of SCOPUS: 35752716100; https://www.scopus.com/authid/detail.uri?authorId=35752716100, Selected publications: 1. Urbański P., Pierzchała M., Poławska E., Wenta-Muchalska E., Solka M. - „The use of nutrigenomics in animal improvement for product quality and health – a review”. <i>Animal Science Papers and Reports</i>, 2021, 39(4), pp. 321-338. 2. Szostak A., Ogłuszka M., te Pas M.F.W., Poławska E., Urbański P., Juszczuk-Kubiak E., Blicharski T., Dunkelberger J., Horbańczuk J.O., Pierzchała M. – „Effect of a diet enriched with omega-6 and omega-3 fatty acids on the pig liver transcriptome”. <i>Genes & Nutrition</i>, 2016, 11(1), pp. 9-17. 3. Urbański P., Pierzchała M., Terman A., Kamyczek M., Różycki M., Roszczyk A., Czarnik U. – „The relationship between the polymorphism of the porcine <i>CAST</i> gene and productive traits in pigs”. <i>Canadian Journal of Animal Science</i>, 2015, 95, pp. 361-367.

	4. Pierzchała M., Hoekman A.J.W., Urbański P., Krujit L., Kristensen L., Young J.F., Oksbjerg N., Goluch D., te Pas M.F.W. – „Validation of biomarkers for loin meat quality (m.longissimus) of pigs”. <i>Journal of Animal Breeding and Genetics</i>, 2014, 131(4), pp. 258-270. 5. Pierzchała M., Pareek Ch.S., Goluch D., Kamyczek M., Różycki M., Smoczyński R., Horbańczuk J.O., Kurył J. – „Study of the differential transcription in liver of growth hormone receptor (<i>GHR</i>), insulin-like growth factors (<i>IGF1</i>, <i>IGF2</i>) and insulin-like growth factor receptor (<i>IGF1R</i>) genes at different postnatal developmental ages in pig breeds”. <i>Molecular Biology Reports</i>, 2012, 39, pp. 3055-3066.
Total number of patents; selected patents (max. 2) and a hyperlink to personal patent achievements (UP RP), on the day of completing the form	not applicable
Selected scientific achievements from the newest, i.e. 2023, 2022, 2021... (in points, min. 800 characters, max. 1000 characters)	1. Participation in the development of liver transcriptomic profiles in mice related to supplementation with bioactive feed components of polyunsaturated fatty acids. 2. Identification of changes in the expression profiles of selected genes and their relationship with the development of muscle tissue in various breeds of pigs. 3. Identification of polymorphisms of selected candidate genes related to meat performance and meat quality characteristics of pigs.
Number and list of defended PhD students from the latest, i.e. 2024, 2023, 2022...	not applicable
Organizational activities, dissemination of knowledge and others (in points, min. 300 characters, max. 1000 characters)	1. Member of the Polish Genetic Society. 2. Teaching activities: lectures for students and PhD students at the invitation of selected scientific and research institutions. 3. Care for interns and trainees at IGBZ PAN Jastrzębiec. 4. Assistant supervisor in the doctoral thesis of Monika Kumalska, M.A. - a PhD student at the Department of Genetics and Animal Breeding, West Pomeranian University of Technology in Szczecin. 5. Foreign research internship at the Animal Science Group, Wageningen University, the Netherlands, under the supervision of Dr. Marinus te Pas. 6. The lectures/poster sessions at the national and international conferences. 7. Popular science articles for selected magazines (e.g. "Przegląd Hodowlany", "Hodowca Trzody Chlewnej"). 8. Reviews of publications from Journal of Citation Reports