

PROFILE FOR INSTITUTE WEBSITE

Current photo in graphic file e.g. 2024, 2023.	
Name and surname, Title	JAROSŁAW OLAV HORBAŃCZUK
Position	Professor, corresponding member of the Polish Academy of Sciences
Hirsch Index and Number of citations (according to Scopus) on the day of completing the form	H-39, Number of citations ca 4200- including citations in <i>Science and Nature</i>.
Research areas (in points, min. 200 characters, max. 500 characters)	genetics, animal biotechnology, food quality improvement and nutrigenomics
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...	Realization of the European Research Project - mEATquality (2021-2025) within the EU Framework Programme - Horizon 2020. The author of the concept and coordinator of one of the largest projects conducted in Poland - "BIOFOOD - innovative, functional animal-derived products" 2010-2015 in a research-industrial consortium (43 grants) - involving 16 academic and industrial entities, with 500 individuals. Coordinator of the project "ANIMBIOGEN in EU - Centre of Excellence in Genomics, Biotechnology and Quality of Animal Products (2010-2013) under the EU PR Framework."
Total number of publications; ORCID (number and hyperlink to the profile); SCOPUS (number and hyperlink to the profile); indicate selected publications (max. 5)	ca. 400 scientific papers, 140 publications from the JCR list, including in the prestigious <i>Nature</i> journal. Author of 11 books. https://orcid.org/0000-0002-7561-0941 https://www.scopus.com/authid/detail.url?authorId=35610843700

	Wang D, Zhang L, Huang J, Himabindu K, Tewari D, Horbańczuk JO, Xu S, Chen Z, Atanasov A. Cardiovascular protective effect of black pepper (<i>Piper nigrum</i> L.) and its major bioactive constituent piperine, Trends in Food Science & Technology, 2022, https://doi.org/10.1016/j.tifs.2020.11.024. Q1; IF=16.02 Huminiecki L, HORBAŃCZUK J.O, 2017 - Can We Predict Gene Expression by Understanding Proximal Promoter Architecture? Trends in Biotechnology, doi.org/10.1016/j.tibtech.2017.03.07, IF=21,94. Huminiecki L, HORBAŃCZUK J.O, 2018 - The functional genomic studies of resveratrol in respect to its anti-cancer effects. Biotechnology Advances, doi: 10.1016/j.biotechadv.2018.02.011, IF=17.68 Huminiecki L, HORBAŃCZUK J.O, Atanasov,A.G., 2017 - The functional genomic studies of curcumin. Seminar Cancer in Biology, doi.org/10.1016/j.semcancer.2017.04.002, IF=17,01 M.A. G. de Bakker, D.A. Fowler, K.Oude, E. M. Dondorp, M. C.Navas, J. O. HORBANCZUK, J.O-Y.Sire, D.Szczerbińska, M.K. Richardson -2013 - Digit loss in archosaur evolution and the interplay between selection and constraints. Nature. 500 (7463), s. 445-448. IF= 69,50
Total number of patents; selected patents (max. 2) and a hyperlink to personal patent achievements (UP RP), on the day of completing the form	HORBAŃCZUK J.O et al. 2019 - Innovative technology for the production of dried ostrich meat with enhanced nutritional and health-promoting value (Patent: 414678)
Selected scientific achievements from the newest, i.e. 2023, 2022, 2021... (in points, min. 800 characters, max. 1000 characters)	1. Author/co-author of innovative technologies for health-promoting functional food products (11 patents) awarded with gold medals at the World Exhibitions of Inventions in USA and Europe in Brussels, Geneva, Barcelona. 2. Demonstrated on an animal model that ostrich meat enriched with bioactive compounds is a good source of highly bioavailable heme iron and is recommended in the human diet with its deficiencies." (Patent-414678). With the team, received one of the most important international awards for - Best European Invention (THE BEST INVENTION OF EUROPE) at the International Exhibition of Inventions INPEX in Pittsburgh, USA. Awards: V-Prime Minister, Minister of Science and Higher Education - Ambassador of Innovation, and the Commission of Decorations of the Kingdom of Belgium - Officer's Cross for exceptional contributions to the development of European invention and the British Innovation Award.

	3. Initiated research on biology and management of ostriches in Central and Eastern Europe; He introduced ostriches to this part of Europe; His textbooks, published in six languages, constitute a valuable compendium of knowledge about ostriches worldwide
Number and list of defended PhD students from the latest, i.e. 2024, 2023, 2022...	–
Organizational activities, dissemination of knowledge and others (in points, min. 300 characters, max. 1000 characters)	– Representative of Poland in the EU in Brussels in the expert group in the field of animal sciences – Animal Task Force. – Expert in the European Commission in Brussels evaluating research projects, among others, in the EU Horizon 2020, Horizon Europe Programme. – Member of the European Association of Research Managers and Administrators, member of the Board of the National Council of Coordinators of EU Research Projects. – Foreign scientific internships: Israel, South Africa, Australia (2003/04), and the USA (2009), as well as short-term stays in Japan, China, and several European countries. He provided a lectures in over 50 countries worldwide (mostly as an invited speaker), including the USA (Harvard University), Israel, Japan, South Africa, Brazil, Australia, China, South Korea, India, and almost the whole Europe.