

**Dr. Krzysztof Andres PhD**

**University of Agriculture in Krakow**

**Faculty of Animal Sciences**

**Address:** Al. Mickiewicza 24/28, 30-059 Kraków, **Room 310**

**Tel:** +48 12 662 40 76

**Email:** krzysztof.andres@urk.edu.pl

**Consultation hours:** Thursday, 10:00 – 11:00 PM

**Research interest:**

- Poultry breeding and genetics
- Conservation of poultry genetic resources

**PI in current projects:**

1. Innovative solutions of duck hatching technology
2. Analysis of variability of utility and reproductive characteristics as well as the quality of hatching eggs for breeding eggs of populations of selected goose strains on the example of up to 450 individuals of Zatorska geese

**Research experience:**

**PhD** at poultry breeding and genetics

**Professional profiles:**

ORCID: <https://orcid.org/0000-0002-9417-5965>

List of publications:

1. Gumułka M., Hrabia A., Avital-Cohen N., Andres K., Rozenboim I. 2020. The effect of parachlorophenylalanine treatment on the activity of gonadal and lactotrophic axes in native Polish crested chickens stimulated to broodiness. *Poultry Science*. 99: 2708–2717.
2. Schwarz, T., Połtowicz, K., Nowak, J., Murawski, M., Małopolska, M. M., Andres, K., Wojtysiak D., Jamieson M., Bartlewski, P. M. (2019). Quantitative echotextural attributes of pectoralis major muscles in broiler chickens: physicochemical correlates and effects of dietary fat source. *Animals*, 9(6): 306.
3. Łukaszewicz, E., Lasoń, M., Kowalczyk, A., Rosenberger, J., Andres, K., Bakst, M. (2019). Stage of goose embryo development at oviposition depending on genotype, flock age, and period of laying. *Poultry Science*. 98: 5152–5156.
4. Andres, K., Orel, J., Lis, M. W. (2018). The phenomenon of the monovular twinning in the endangered zatorska goose. *Poultry Science*. 97(12): 4425–4432.

5. Graczyk, M., Andres, K., Kapkowska, E., Szwaczkowski, T. (2017). Genetic evaluation of laying performance in the Zatorska goose: contribution to the conservation programme. *British Poultry Science*, 58(4): 366-372.V

*Doctor of Science Małgorzata Gumulka*

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**Address:** Al. Mickiewicza 24/28, 30-059 Kraków , **Room** 312

**Tel:** +48 12 662 40 74

**Email:** malgorzata.gumulka@urk.edu.pl

**Consultation hours:** Tuesday, 01:00-02:00 p.m.

**Research interest:**

- Reproduction of birds - sexual behavior, sperm quality and hypothalamic-pituitary-gonadal axis activity.
- Quality of poultry products - eggs and meat.
- Chicken broiler production technology.
- Ethology of birds

**Research experience:**

**Visiting Scholar :** The Hebrew University of Jerusalem

**DSc, (Habilitation):** "Seasonal changes in the mating behaviour, semen quality parameters and the hypothalamic-pituitary-gonadal axis activity in ganders"

**PhD:** "Research on the duration of the fertility period in hens."

**MSc:** "Oviposition rhythm in broiler breeder hens"

**Professional profiles:**

ORCID: <https://orcid.org/0000-0001-9812-1529>

Research ID: <http://www.researcherid.com/rid/Malgorzata> Gumulka

Research Gate: [https://www.researchgate.net/profile/Malgorzata\\_Gumulka](https://www.researchgate.net/profile/Malgorzata_Gumulka)

Google Scholar: <http://scholar.google.com/Malgorzata> Gumulka

List of publications:

1. Gumułka M., Hrabia A., Avital-Cohen N., Andres K., Rozenboim I. 2020. The effect of parachlorophenylalanine treatment on the activity of gonadal and lactotrophic axes in native Polish crested chickens stimulated to broodiness. *Poultry Science*. 99:2708–2717.
2. Gumułka M., Połtowicz K. 2020. Comparison of carcass traits and meat quality of intensively reared geese from a Polish genetic resource flock to those of commercial hybrids. *Poultry Science*. 99:839–847
3. Ochrem A., Gumułka M., Gucia M. 2018. Effect of repeated gathering and age on the quality of Zatorska Goose feathers. *Journal of Poultry Science*. 55 (3): 224-231.
4. Dishon L., Avital-Cohen N., Zaguri S. Bartman J., Heiblum R., Druyan S., Porter T.E., Gumułka M., Rozenboim I. 2018. In-ovo green light photostimulation during different embryonic stages affect somatotropic axis. *Poultry Science*. 97 (6): 1998-2004.
5. Dishon L., Avital-Cohen N., Malamud D., Heiblum R., Druyan S., Porter T. E., Gumułka M., Rozenboim I. 2017. In-ovo monochromatic green light photostimulation enhance embryonic somatotropic axis activity. *Poultry Science*. 96 (6): 1884-1890.
6. Gumułka M., Rozenboim I. 2017. Effect of the age of ganders on reproductive behavior and fertility in a competitive mating structure. *Annals of Animal Science*. 17 (3): 733-746.
7. Gumułka M., Krawczyk J., Otwinowska- Mindur A. 2017. Effect of production cycle and season on egg quality and fatty acid profile in organic maintained Polish native hens. *European Poultry Science*. 81: 1-13
8. Otwinowska-Mindur A., Gumułka M., Kania-Gierdziewicz J. 2016. Mathematical models for egg production in broiler breeder hens. *Annals of Animal Science*. 16 (4): 1-14.
9. Gumułka M., Rozenboim I. 2015. Mating activity and sperm penetration assay in prediction of the reproduction potential of domestic goose in a harem system. *Animal Reproduction Science*, 161: 138-145
10. Gumułka M., Rozenboim I. 2015. Effect of breeding stage and photoperiod on gonadal and serotonergic axes in domestic ganders. *Theriogenology*. 84 (8): 1332-1341.