

Doctor of Science Małgorzata Gumułka

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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:

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

Research Gate: 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., 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
8. Gumułka M., Rozenboim I. 2015. Effect of breeding stage and photoperiod on gonadal and serotonergic axes in domestic ganders. *Theriogenology*. 84 (8): 1332-1341.
9. Avital-Cohen N., Heiblum R., Rosenstrauch A., Chaiseha Y., Mobarkey N., Gumułka M., Rozenboim I. 2015. Role of the serotonergic axis in the reproductive failure associated with aging broiler breeder roosters. *Domestic Animal Endocrinology*, 53: 42- 51.
10. Gumułka M., Rozenboim I. 2013. Mating activity of domestic geese ganders (*Anser anser f. domesticus*) during breeding period in relation to age, testosterone and thyroid hormones. *Animal Reproduction Science*, 142: 183-190.