

**Załącznik nr 2**

**Prof. dr hab. Zygmunt M. Kowalski**



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**Faculty of Animal Science, Department of Animal Nutrition and Biotechnology, and Fisheries**

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**Consultation hours:**

**[https://usosweb.urk.edu.pl/kontroler.php?\\_action=katalog2/osoby/pokazOsobe&os\\_id=628](https://usosweb.urk.edu.pl/kontroler.php?_action=katalog2/osoby/pokazOsobe&os_id=628)**

**Research interest:**

- practical dairy cow and dairy calf feeding
- protein, amino acids and fat in ruminant nutrition,
- protein and energy evaluation systems for ruminants,
- prevention of metabolic diseases in dairy cows,
- systems of dairy calf rearing,
- nutrigenomics

**Research experience:** from year 1981

**Visiting Scholar:**

- 2 months, production internship, Bretagne, France, 1983
- 6 months, scientific internships, Department of Animal Science, University of British Columbia, Vancouver, Canada, 1985
- 2 months, Post Graduate International Course in the Farm Animal Production and Management, The Hebrew University of Jerusalem, Rehovot, Israel, 1990
- 3 months, scientific internships, Department of Animal Science, University of Udine, Italy, 1994
- several short term scientific missions to INRA, France, and Norway

**DSc, (Habilitation):** 1998

**PhD:** 1989; **Kowalski Z.M.** Calcium soaps of rapeseed oil fatty acids in feeding of cattle (in Polish: Mydła wapniowe kwasów tłuszczowych oleju rzepakowego w żywieniu bydła). Rozprawa Nr 228. Praca Habilitacyjna Akademia Rolnicza w Krakowie.

**Professional profiles (examples):**

ORCID: <http://orcid.org/...>

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

Mendeley: <https://www.mendeley.com/profiles/...>

Research Gate: <https://www.researchgate.net/profile/...>

Academia: <https://agh.academia.edu/...>

Google Scholar: <http://scholar.google.com/citations...>

LinkedIn: <https://www.linkedin.com/in/...>

List of 10 publications (last 5 years):

1. Burakowska K., Górka P., Kent-Dennis C., Kowalski Z.M., Laarveld B., Penner G.B., 2020. Effect of heat-treated canola meal and glycerol inclusion on performance and gastrointestinal development of Holstein calves. *J. Dairy Sci.*, 102, 7998-8019. DOI: 10.3168/jds.2019-1813
2. Otwinowska-Mindur A., Ptak E., Kowalski Z.M., Sabatowicz M., 2020. Relationship between content of ketone bodies in milk and milk freezing point of Polish Holstein-Friesian cows in early lactation. *Ann. Anim. Sci.*, 20(2), 693–707. DOI: 10.2478/aoas-2020-0003
3. Kowalski Z.M., Górka P., Micek P., Oprządek J., Barteczko A., Tröscher A., 2019. Does the effect of rumen-protected CLA supplementation in the transition period depend on a parity of dairy cows ? *J. Anim. Feed Sci.*, 28, 220-229.
4. Flaga J., Korytkowski Ł., Górka P., Kowalski Z.M., 2019. The effect of DHA-rich algae supplementation in milk replacer on performance and selected immune system functions in calves. *J. Dairy Sci.*, 102, 8862-8873.
5. Micek P., Kowalski Z.M., Sady M., Oprządek J., Domagała J., Wanat P., 2019. An energy-protein feed additive containing different sources of fat improves feed intake and milk performance of dairy cows In mid-lactation *J. Dairy Res.*, 86, 55–62.  
<https://doi.org/10.1017/S0022029919000062>.
6. Górka P., Śliwiński B., Flaga J., Olszewski J., Wojciechowski M., Krupa K., Godlewski M.M., Zabielski R., Kowalski Z.M., 2018. Effect of exogenous butyrate on the gastrointestinal tract of sheep. I. Structure and function of the rumen, omasum, and abomasum. *J Anim Sci.*, 96(12), 5311-5324.
7. Górka P., Kowalski Z.M., Zabielski R., Guilloteau P., 2018. Use of butyrate to promote gastrointestinal tract development in calves. *J. Dairy Sci.*, 101, 4785–4800.
8. Flaga J., Korytkowski Ł., Górka P., Kowalski Z.M., 2018. Age-related changes in mRNA expression of selected surface receptors in lymphocytes of dairy calves. *Pol. J. Vet. Sci.*, 21, 1, 213-214.
9. Belay T.K., Dagnachew B.S., Kowalski Z.M., Ádnøy T., 2017. An attempt at predicting blood  $\beta$ -hydroxybutyrate from Fourier-transform mid-infrared spectra of milk using multivariate mixed models in Polish dairy cattle. *J. Dairy Sci.*, 100, 6312–6326.
10. Belay T.K., Svendsen M., Kowalski Z.M., Ádnøy T., 2017. Genetic parameters of blood  $\beta$ -hydroxybutyrate predicted from milk infrared spectra and clinical ketosis, and their associations with milk production traits in Norwegian Red cows. *J. Dairy Sci.*, 100, 6298–6311.