



Dr. Mevlüt Günal

Associate Professor

Isparta University of Applied Sciences, Turkey

Area of Interest:

Evaluation of Nutritive Value of Feeds; Effects of Animal Nutrition on Greenhouse Gas Emission; Alternative Feed Resources; Feed Additives in Animal Nutrition

Highest Degree

Ph.D. in Animal Science Department from Ankara University, Turkey

Education

1998

Ph.D.

Ankara University, Turkey

Animal Sciences

Selected Publications

1. Günal, M., McCourt, A., Zhao, Y., Yan, Z. G., Yan, T., 2019. The effect of silage type on animal performance, energy utilisation and enteric methane emission in lactating dairy cows. *Animal Production Science*. 59(3): 499-505. <https://www.publish.csiro.au/AN/AN16435>

2. Yanık, G., Günal, M., Özkaya, S., 2018. The effects of humate and yeast cell wall extract supplementation on the performance, gut microflora and blood parameters of Japanese quail (*Coturnix coturnix japonica*). Mediterranean Agricultural Sciences, 31(2): 181-187. <http://dergipark.gov.tr/mediterranean/issue/37655/356460>
3. Glodde, F., Günal, M., Kinsel, M.E., AbuGhazaleh, A.A., 2018. Effects of natural antioxidants on the stability of omega-3 fatty acids in dog food. Journal of Veterinary Research. 62:103-108. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5957468/>
4. Stergiadis, S., Hynes, D. N., Thomson, A. L., Kliem, K. E., Berlitz, C. G., Günal, M., Yan, T., 2018. Effect of substituting fresh-cut perennial ryegrass with fresh-cut white clover on bovine milk fatty acid profile. Journal of the Science of Food and Agriculture. 98: 3982–3993. <https://www.ncbi.nlm.nih.gov/pubmed/29508404>
5. Satık, S., Günal, M., 2017. Effects of kefir as a probiotic source on the performance and health of young dairy calves. Turkish Journal of Agriculture-Food Science and Technology. 5(2): 139-143. <http://agrifoodscience.com/index.php/TURJAF/article/view/978>
6. Günal, M., Pinski, B., AbuGhazaleh, A. A., 2017. Evaluating the effects of essential oils on methane production and fermentation under *in vitro* conditions. Italian Journal of Animal Science. 16(3): 500-506. <https://www.tandfonline.com/doi/full/10.1080/1828051X.2017.1291283>
7. Günal, M., Öter, M., Özkaya, S., 2017. Determination of nutritive value of some market-place wastes by *in vitro* gas production technique. Journal of Agricultural Faculty of Mustafa Kemal University. 22(1): 54-64. <http://dergipark.gov.tr/download/article-file/324235>
8. Al-Hadeethi, A., Günal, M., Reyes, D., AbuGhazaleh, A. 2016. The effects of plants extracts on fermentation and methane production under *in vitro*. Global Journal of Bioscience and Biotechnology. 5 (2): 253-260. [http://scienceandnature.org/GJBB_Vol5\(2\)2016/GJBB-V5\(2\)2016-15.pdf](http://scienceandnature.org/GJBB_Vol5(2)2016/GJBB-V5(2)2016-15.pdf)
9. Pinski, B., Günal, M., AbuGhazaleh, A. A., 2016. The effects of essential oil and condensed tannin on fermentation and methane production under *in vitro* conditions. Animal Production Science. 56:1707-1713. <http://www.publish.csiro.au/AN/AN15069>
10. Ishlak, A., Günal, M., AbuGhazaleh, A.A., 2015. The effects of cinnamaldehyde, monensin and quebracho condensed tannin on rumen fermentation, biohydrogenation and bacteria in continuous culture system. Animal Feed Science and Technology. 207: 31–40. <https://www.sciencedirect.com/science/article/pii/S0377840115001844>

11. Ishlak, A., AbuGhazaleh, A.A., Günal, M., 2014. Effect of blackberry and pomegranate oils on vaccenic acid formation in a single-flow continuous culture fermentation system. *Journal of Dairy Science*. 97:1067–1071. <https://www.sciencedirect.com/science/article/pii/S002203021300831X>
12. Günal, M., Ishlak, A., Abughazaleh, A. A., Khattab, W., 2014. Essential oils effect on rumen fermentation and biohydrogenation under *in vitro* conditions. *Czech Journal of Animal Science*. 59: 450–459. <https://www.agriculturejournals.cz/publicFiles/136532.pdf>
13. Günal, M., Ishlak, A., Abughazaleh, A. A., 2013. Evaluating the effects of six essential oils on fermentation and biohydrogenation in *in vitro* rumen batch cultures. *Czech Journal of Animal Science*. 58 (6): 243-252. <https://www.agriculturejournals.cz/publicFiles/93099.pdf>
14. Günal, M., 2013. The effects of early-age thermal manipulation and daily short-term fasting on performance and body temperatures in broiler exposed to heat stress. *Journal of Animal Physiology and Animal Nutrition*. 97: 854–860. <https://www.ncbi.nlm.nih.gov/pubmed/22853454>
15. Günal, M., 2013. The effects of sodium gluconate and microbial phytase on performance and mineral utilisation in broiler chicks. *Animal Production Science*. 53: 316–321. <http://www.publish.csiro.au/AN/AN12221>
16. Günal, M., Yaylı, G., Kaya, O., Karahan, N., Sulak, O. 2006. The Effects of antibiotic growth promoter, probiotic or organic acid supplementation on performance, intestinal microflora and tissue of broilers. *International Journal of Poultry Science*. 5(2):149-155. <https://scialert.net/abstract/?doi=ijps.2006.149.155>
17. Günal, M., Bakırcı, A. S., 2006. The using possibilities of dried apple and tomato pomace in parent japanese quail. *Suleyman Demirel University-Journal of the Faculty of Agriculture*. 1(2):28-37. <http://dergipark.gov.tr/download/article-file/308927>
18. Günal, M., Yaşar, S., Forbes, J.M., 2004. Performance and some digesta parameters of broiler chickens given low or high viscosity wheat-based diets with or without enzyme supplementation. *Turkish Journal of Veterinary and Animal Science*. 28: 323-327. <https://journals.tubitak.gov.tr/veterinary/abstract.htm?id=6910>
19. Günal, M., Gökçeyrek, D., Yenice, E., Çalışkaner, Ş., Karakaya, A., 1999. A research on the effect of dry yeast (*Saccharomyces cerevisiae*) supplementation to rations

- containing different levels of crude cellulose on fattening performance and some caecal parameters in rabbits. *Journal of Agricultural Sciences*. 5(1): 9-14.
20. Günal, M., Çördük, M. Heshmet, G., Çalışkaner, Ş., 1998. Effect of egg laying rations supported by ascorbic acid on some yield and blood parameters. *Journal of Agricultural Sciences*.4: 35-44.
21. Çalışkaner, S., Akın, Y., Çiftçi, I., Günal, M. 1996. A research on the use of mash and pelleted feeds with fresh alfalfa in rabbit diets. *Turkish Journal of Veterinary and Animal Science*. 20(1): 27-32.
22. Günal, M., Çalışkaner, Ş., 1995. A research on the effects of tapioca in broiler diets on the growth and some blood parameters of chicks. *Journal of the Faculty of Agriculture-Akdeniz University*. 8: 125-133. <http://dergipark.gov.tr/download/article-file/460408>