❖ Personal Information

Full name:	**Javad Rezaei**
Current city:	Tehran
Hometown:	Falavarjan, Isfahan
Specialty:	Animal nutrition, Ruminant nutrition
Academic Status:	PhD; Associate Professor
Department:	Animal Science
Address (work):	Department of Animal Science, Faculty of Agriculture, Tarbiat Modares University, Tehran, P.O. Box 14115-336, Iran.
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PUBLONS: https://publons.com/researcher/N-2547-2019

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❖ Educational Background

Degree	University	City/Country	Field	Date
BSc	Bu-Ali Sina Univ.	Hamadan, Iran	Animal Science	2003
MSc	Tarbiat Modares Univ.	Tehran, Iran	Animal Nutrition	2006
PhD	Tarbiat Modares Univ.	Tehran, Iran	Animal Nutrition	2013
Teaching Skills Courses	Tarbiat Modares Univ.	Tehran, Iran	Teaching Skills	2013

MSc Thesis:

The nutritive value and silage characteristics of amaranth forage

PhD Dissertation:

Effects of feeding amaranth silage on performance of fattening male lambs and dairy cows

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❖ Courses Taught (Teaching Experience):

1. Digestion and Metabolism in Animals, MSc
2. Vitamins and Minerals in Animal Nutrition, MSc
3. Advanced Physiology, MSc
4. Animal Feed Manufacturing and Processing Techniques, MSc
5. Seminar, MSc
6. Bioenergetics in Animal Nutrition, PhD
7. Fats and Carbohydrates in Animal Nutrition, PhD
8. Metabolic Disorders in Animals, PhD
9. Enzymology in Animal Nutrition, PhD
10. Research Techniques and Methods in Animal Nutrition, PhD

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❖ Research Interests:

Animal nutrition, Ruminant nutrition.

1. Feed additives and supplements, and different sources of minerals in animal nutrition; 2. Plant secondary metabolites and forage/pasture plants in animal nutrition

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❖ Publications list

Papers in International Journals (In English):

1. **Rezaei, J.,** Rouzbehan, Y., Fazaeli, H. 2009. Nutritive value of fresh and ensiled amaranth *(Amaranthus hypochondriacus)* treated with different levels of molasses. *Animal Feed Science and Technology*. 151, 153–160. https://doi.org/10.1016/j.anifeedsci.2008.12.001 (May)
2. Abbasi, D., Rouzbehan, Y., **Rezaei, J**. 2012. Effect of harvest date and nitrogen fertilization rate on the nutritive value of amaranth forage (*A. hypochondriacus*). *Animal Feed Science and Technology*. 171, 6–13. https://doi.org/10.1016/j.anifeedsci.2011.09.014 (January)
3. Azizi-Shotorkhoft, A., **Rezaei, J**., Fazaeli, H., 2013. The effect of different levels of molasses on the digestibility, rumen parameters and blood metabolites in sheep fed processed broiler litter. *Animal Feed Science and Technology*. 179, 69–76. https://doi.org/10.1016/j.anifeedsci.2012.12.001 (January)
4. **Rezaei, J.,** Rouzbehan, Y., Fazaeli, H., Zahedifar, M., 2013. Carcass characteristics, non-carcass components and blood parameters of fattening lambs fed on diets containing amaranth silage substituted for corn silage. *Small Ruminant Research*. 114, 225–232. https://doi.org/10.1016/j.smallrumres.2013.06.012 (September)
5. **Rezaei, J.,** Rouzbehan, Y., Fazaeli, H., Zahedifar, M. 2014. Effects of substituting amaranth silage for corn silage on intake, growth performance, diet digestibility, microbial protein, nitrogen retention and ruminal fermentation in fattening lambs. *Animal Feed Science and Technology*. 192, 29–38. https://doi.org/10.1016/j.anifeedsci.2014.03.005 (June)
6. Azizi-Shotorkhoft, A., **Rezaei, J.,** Papi, N., Fazaeli, H., Mirmohammadi, D. 2015. Effect of feeding heat-processed broiler litter in pellet-form diet on the performance of fattening lambs. *Journal of Applied Animal Research*. 43(2), 184–190. https://doi.org/10.1080/09712119.2014.928636 (June)
7. Baluch-Gharaei, H., Rouzbehan, Y., Fazaeli, H., **Rezaei, J.** 2015. Effect of deep-stacking broiler litter on pathogenic bacteria, intake, digestibility, microbial protein supply and rumen parameters in sheep. Animal Feed Science and Technology. 199, 73–83. https://doi.org/10.1016/j.anifeedsci.2014.11.001 (January)
8. **Rezaei, J.,** Rouzbehan, Y., Zahedifar, M., Fazaeli, H. 2015. Effects of dietary substitution of maize silage by amaranth silage on feed intake, digestibility, microbial nitrogen, blood parameters, milk production and nitrogen retention in lactating Holstein cows. *Animal Feed Science and Technology*. 202, 32–41. https://doi.org/10.1016/j.anifeedsci.2015.01.016 (April)
9. Babaeinasab, Y., Rouzbehan, Y., Fazaeli, H., **Rezaei, J.** 2015. Chemical composition, silage fermentation characteristics, and in vitro ruminal fermentation parameters of potato-wheat straw silage treated with molasses and lactic acid bacteria and corn silage. *Journal of Animal Science*. 93, 4377–4386. https://doi.org/10.2527/jas.2015-9082 (September)
10. Karimi Rahjerdi, N., Rouzbehan, Y., Fazaeli, H., **Rezaei, J.** 2015. Chemical composition, fermentation characteristics, digestibility, and degradability of silages from two amaranth varieties (Kharkovskiy and Sem), corn, and an amaranth–corn combination. *Journal of Animal Science*. 93:5781–5790. https://doi.org/10.2527/jas.2015-9494 (December)
11. Imani Rad, M., Rouzbehan, Y., **Rezaei, J.** 2016. Effect of dietary replacement of alfalfa with urea-treated almond hulls on intake, growth, digestibility, microbial nitrogen, nitrogen retention, ruminal fermentation and blood parameters in fattening lambs. *Journal of Animal Science*. 94, 349–358. https://doi.org/10.2527/jas.2015-9437 (January)
12. Azizi-Shotorkhoft, A., Sharifi, A., Mirmohammadi, D., Baluch-Gharaei, H., **Rezaei, J.** 2016. Effects of feeding different levels of corn steep liquor on the performance of fattening lambs. *Journal of Animal Physiology and Animal Nutrition*. 100, 109–117. https://doi.org/10.1111/jpn.12342 (February)
13. Sarmadi, B., Rouzbehan, Y., **Rezaei, J.** 2015. Influences of growth stage and nitrogen fertilizer on chemical composition, phenolics, in situ degradability and in vitro ruminal variables in amaranth forage. *Animal Feed Science and Technology*. 215, 73–84. https://doi.org/10.1016/j.anifeedsci.2016.03.007 (May)
14. Rajabi, M., Rouzbehan, Y., **Rezaei, J.** 2017. A strategy to improve nitrogen utilization, reduce environmental impact, and increase performance and antioxidant capacity of fattening lambs using pomegranate peel extract. *Journal of Animal Science*. 95, 499–510. https://doi.org/10.2527/jas2016.1069 (February)

15. Tadayon, Z., Rouzbehan, Y., **Rezaei, J.** 2017. Effects of feeding different levels of dried orange pulp and recycled poultry bedding on the performance of fattening lambs. *Journal of Animal Science*. 95, 1751–1765. https://doi.org/10.2527/jas2016.0889 (April)
16. Razmkhah, M., **Rezaei, J.,** Fazaeli, H. 2017. Use of Jerusalem artichoke tops silage to replace corn silage in sheep diet. *Animal Feed Science and Technology*. 228, 168–177. https://doi.org/10.1016/j.anifeedsci.2017.04.019 (June)
17. Sadri, K., Rouzbehan, Y., Fazaeli, H., **Rezaei, J.** 2018. Influence of dietary feeding different levels of mixed potato-wheat straw silage on the diet digestibility and the performance of growing lambs. *Small Ruminant Research.* 159, 84–89. https://doi.org/10.1016/j.smallrumres.2017.11.002 (February)
18. Abbasi, M., Rouzbehan, Y., Fazaeli, H., **Rezaei, J.,** Jacobsen, S.E. 2018. The effect of lactic acid bacteria inoculation, molasses, or wilting on the fermentation quality and nutritive value of amaranth (*Amaranthus hypochondriaus*) silage. *Journal of Animal Science*. 96(9), 3983-3992. https://doi.org/10.1093/jas/sky257 (June)
19. Khosravi, M., Rouzbehan, Y., Rezaei, M., **Rezaei, J.** 2018. Total replacement of corn silage with sorghum silage improves milk fatty acid profile and antioxidant capacity of Holstein dairy cows. *Journal of Dairy Science*. 101(12), 10953-10961. https://doi.org/10.3168/jds.2017-14350 (December)
20. Riazi, H., **Rezaei, J.,** Rouzbehan, Y. 2019. Effect of supplementary nano-ZnO on in vitro ruminal fermentation, methane release, antioxidant and microbial biomass. *Turkish Journal of Veterinary and Animal Sciences*. 43(6), 737-746. https://doi.org/10.3906/vet-1905-48 (December)
21. Roshanzamir, H., **Rezaei, J.,** Fazaeli, H. 2020. Colostrum and milk performance, and blood immunity indices and minerals of Holstein cows receiving organic Mn, Zn and Cu sources. *Animal Nutrition*. 6, 61-68. https://doi.org/10.1016/j.aninu.2019.08.003 (March)
22. Abdollahi, M., **Rezaei, J.,** Fazaeli, H. 2020. The performance, rumen fermentation, blood minerals, leukocyte and antioxidant capacity of young Holstein calves receiving high-surface ZnO instead of common ZnO. *Archives of Animal Nutrition*. 74(3), 189-205. https://doi.org/10.1080/1745039X.2019.1690389 (May)
23. Alijani, K., **Rezaei, J.,** Rouzbehan, Y. 2020. Effect of nano-ZnO, compared to ZnO and Zn-methionine, on performance, nutrient status, rumen fermentation, blood enzymes, ferric reducing antioxidant power and immunoglobulin G in sheep. *Animal Feed Science and Technology*. 267, 114532. https://doi.org/10.1016/j.anifeedsci.2020.114532 (September)
24. Farzinmehr, S., **Rezaei, J.,** Fazaeli, H. 2020. Effect of harvesting frequency and maturity stage of Jerusalem artichoke forage on yield, chemical composition and in vitro fermentation of the tubers and forage. *Spanish Journal of Agricultural Research*. 18(2), e0602. http://dx.doi.org/10.5424/sjar/2020182-15379 (June)
25. Hosseini Vardanjani, F., **Rezaei, J.,** Karimi Dehkordi, S., Rouzbehan, Y. 2020. Effect of feeding nano-ZnO on performance, rumen fermentation, leukocytes, antioxidant capacity, blood serum enzymes and minerals of ewes. *Small Ruminant Research*. 191, 106170. https://doi.org/10.1016/j.smallrumres.2020.106170 (October)
26. Partovi, E., Rouzbehan, Y., Fazaeli, H., **Rezaei, J.** 2020. Broccoli byproduct-wheat straw silage as a feed resource for fattening lambs. *Translational Animal Science*. 4(3), txaa078. https://doi.org/10.1093/tas/txaa078 (July)
27. Shadi, H., Rouzbehan, Y., **Rezaei, J.,** Fazaeli, H. 2020. Yield, chemical composition, fermentation characteristics, in vitro ruminal variables, and degradability of ensiled Amaranth (Amaranthus hypochondriacus) cultivars compared to corn (Zea mays) silage. *Translational Animal Science*. 4(4), txaa180. https://doi.org/10.1093/tas/txaa180 (October)
28. Taghipour, M., Rouzbehan, Y., **Rezaei, J.,** 2021. Influence of diets containing different levels of *Salicornia bigelovii* forage on digestibility, ruminal and blood variables and antioxidant capacity of Shall male sheep. *Animal Feed Science and Technology*. 281, 115085. https://doi.org/10.1016/j.anifeedsci.2021.115085 (November)
29. Sabertanha, E., Rouzbehan, Y., Fazaeli, H., **Rezaei, J.,** 2021. Nutritive value of sorghum silage for sheep. *Journal of Animal Physiology and Animal Nutrition*. 105(6), 1034-1045. https://doi.org/10.1111/jpn.13548 (November)
30. Lotfi, S., Rouzbehan, Y., Fazaeli, H., Feyzbakhsh, M.T., **Rezaei, J.,** 2022. The nutritional value and yields of amaranth (*Amaranthus hypochondriacus*) cultivar silages compared to silage from corn (*Zea mays*) harvested at the milk stage grown in a hot-humid climate. *Animal Feed Science and Technology*. 289, 115336. https://doi.org/10.1016/j.anifeedsci.2022.115336 (July)

31. Nasrabadi, M., Rouzbehan, Y., Fazaeli, H., **Rezaei, J.,** 2022. Influence of partial replacement of alfalfa with two Salicornia forages on digestion, rumen variables, blood biochemistry metabolites and antioxidant capacity in sheep. *Small Ruminant Research*. 214, 106744. https://doi.org/10.1016/j.smallrumres.2022.106744 (September)
32. Hosseini, S.A., Rouzbehan, Y., Fazaeli, H., **Rezaei, J.,** 2023. Comparing the yield and nutritional value of ensiled amaranth (Amaranthus hypochondriacus) cultivars with corn silage (*Zea mays*) in double cropping condition. *Translational Animal Science*. 7(1), txac158. https://doi.org/10.1093/tas/txac158 (January)
33. Dadashi, A., Rouzbehan, Y., Fazaeli, H., **Rezaei, J.,** 2023. The nutritional quality of a fresh orange pulp-wheat straw mixture ensiled with either sugar beet pulp, wheat bran or urea compared to corn silage (*Z. mays*) in sheep. *Translational Animal Science*. 7(1), txad017, https://doi.org/10.1093/tas/txad017 (January)
34.

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Papers in National Journals (In Persian):

1. **Rezaei, J.**, Rouzbehan, Y., Fazaeli, H. 2009. An assessment of digestibility and protein quality of the fresh and ensiled amaranth forage according to CNCPS. *Iranian Journal of Animal Science*. 40(3), 31-38. (December)
2. Nemati-Shirzi1, F., Rouzbehan, Y., Karimi-Torshizi, M.A., **Rezaei, J**. 2012. An Investigation of the effect of some medicinal plants on in vitro ruminal fermentation parameters. *Iranian Journal of Animal Science*. 43(2), 193-206. (September)
3. Zia Abdolzohre, A., Rouzbehan, Y., Hosseini, S.H., **Rezaei, J**. 2012. Effect of different levels of diatary corn and barley grain on growth and performance of Holstein calves. *Iranian Journal of Animal Science*. 43(2), 229-238. (September)
4. Badiee Baghsiah, M., Rouzbehan, Y., Fazaeli, H., **Rezaei, J**. 2013. Effect of heat-processing on nutritive value and in vitro digestibility of broiler litter. *Iranian Journal of Animal Science*. 44(1), 9-21. (June)
5. Hosseini, S.H., Rouzbehan, Y., Aghashahi, A., **Rezaei, J**. 2013. Effect of dietary substituting corn grain with barley grain on performance of early lactating Holstein cows. *Iranian Journal of Animal Science*. 44(2), 197-206. (August)
6. Baluch Gharaei, H., Rouzbehan, Y., Fazaeli, H., **Rezaei, J**. 2014. Effect of deep-stacking at different levels of moisture conternt and at different depths on safety of broiler litter. *Iranian Journal of Animal Science*. 44(4), 405-412. (January)
7. Azizi-Shotorkhoft, A., Sharifi, A., Mirmohammadi, D., **Rezaei, J**., Kiani, A., Fazaeli, H. 2014. Effect of energy source on some hydrolytic enzymes activities in different fractions of rumen liquor and N retention in sheep fed diet containing heat-processed broiler litter. *Journal of Ruminant Research* (Gorgan). 2(2), 17-37. (September)
8. Azizi-Shotorkhoft, A., Papi, N., Fazaeli, H., **Rezaei, J**. 2015. Effect of different levels of processed broiler litter on the feed intake, digestibility, performance, ruminal and blood metabolites in Moghani male lambs. *Iranian Journal of Animal Science*. 45(4), 385-392. (January)
9. Hosseini-Vardanjani, S.F., **Rezaei, J.,** Karimi-Dehkordi, S., Rouzbehan, Y. 2019. Effect of different levels of inorganic, nano and organic Zn on Zn absorption, microbial protein, metabolites and immunoglobulins of blood and colostrum in ewes and their lambs. *Animal Production* (College of Abouraihan, Univ. Tehran). 20(4), 539-551. (February)
10. Shadi, H., Rouzbehan, Y., **Rezaei, J**., Fazaeli, H. 2019. Nutritive value of amaranth (var. Maria) silage in comparison with corn silage. *Animal Science Journal (Pajouhesh & Sazandegi)*. 121(31), 303-316. (March)
11. Roshanzamir, H., **Rezaei, J.,** Fazaeli, H. 2019. Effect of using organic complexes of Mn, Zn and Cu (compound with glycine- or methionine-) instead of sulphate forms (equal to or twice NRC recommendation) on health, fertility and blood metabolites of dairy cows and calves. *Animal Production Research* (Guilan). 8(1), 1-15. (June)
12. Abdollahi, M., **Rezaei, J.,** Fazaeli, H. 2019. Effect of Zn sources on microbial protein, immunoglobulins (M and A) and blood N parameters of Holstein calves. *Journal of Ruminant Research* (Gorgan). 7(2), 17-32. (September)
13. Hosseini, S.M., **Rezaei, J.,** Rouzbehan, Y. 2020. Chemical composition and effect of Echinophora sibthorpiana and Pulicaria dysenterica on in vitro ruminal fermentation parameters, methane and

antioxidant capacity. *Animal Production* (College of Abouraihan, Univ. Tehran). 21(4), 461-473. (January)

14. Hosseini, S.M., **Rezaei, J.,** Rouzbehan, Y. 2022. Nutritive value of *Adiantum capillus*-veneris and *Salvia officinalis* L. forages and effect of their dietary levels on in vitro digestibility, methane production, antioxidant capacity and fermentation parameters. *Animal Production Research* (Guilan). 11(2), 1-15. (September)
15. Sirjani, M.H., **Rezaei, J.,** Zahedifar, M., Rouzbehan, Y. 2023. Effect of adding biochar in diets containing probiotics on in vitro fermentation variables, health indicators, rectum bacteria, and blood enzymes of Holstein calves. *Animal Production Research* (Guilan). 11(4), 1-19. (February)
16.

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Refereed National and International Conference/Congress Proceedings:

1. **Rezaei, J.,** Rouzbehan, Y., Fazaeli, H. 2005. Determination of nutritive value of fresh and ensiled amaranth in animal nutrition. pp. 116. *Fourth Conference on Agricultural Research*. 23-25 November, Ferdowsi University of Mashhad, Mashhad, Iran.
2. **Rezaei, J.,** Rouzbehan, Y. 2005. Amaranth as a new food resource in human and animal nutrition. pp. 164-165. *Fourth Conference on Agricultural Research*. 23-25 November, Ferdowsi University of Mashhad, Mashhad, Iran.
3. **Rezaei, J.,** Rouzbehan, Y. 2009. Low-fat milk syndrome in dairy cows. pp. 61-62. *Proceeding of The First National Congress on Nutrition and Metabolic Diseases in cow*. 3-4 March, University of Birjand, Birjand, Iran.
4. **Rezaei, J.,** Rouzbehan, Y. 2009. Determination of chemical composition and digestibility of cacao by-product. pp. 178-179. *Proceeding of The First National Congress on Nutrition and Metabolic Diseases in cow*. 3-4 March, University of Birjand, Birjand, Iran.
5. Lotfi Noghabi, R., Farhangfar, H., Bashteni, M., **Rezaei, J**. 2010. Stress effect of calving and production seasons on negative energy balance in early lactating Holstein cow. pp. 4. *The First National Conference of Environmental stresses in Agricultural Sciences*. 28-29 Jan, University of Birjand, Birjand, Iran.
6. Abbasi, D., Rouzbehan, Y., **Rezaei. J**. 2010. Effect of harvest date on chemical composition of amaranth forage (*Amaranthus hypochondriacus*). pp. 272. *The Fourth Regional Conference on Agricultural Research (West Country)*. May 2010. University of Kurdestan, Kurdestan, Iran.
7. Rouzbehan, Y., Hosseini, H., Aghashahi, A., **Rezaei, J.** 2013. Effect of replacing barley grain by corn grain on growth performance and reproduction parameters in early lactating of Holstein dairy cows. Italy.
8. Khosravi-Alghar, R., Rouzbehan, Y., Fazaeli, H., **Rezaei. J.** 2014. Effect of physical form of diet on feed intake, and milk production and quality in Holstein lactating dairy cows. The 6th Iranian Congress on Animal Science. 27-28 August. Tabriz University. Tabriz, Iran.
9. Sarmadi, B., Rouzbehan, Y., **Rezaei. J.** 2014. Effect of nitrogen fertilizer level on chemical composition and protein degradability of forage amaranth. pp. 3133-3137. The 1st National Congress on Food Safety: Production, Processing, Consumption. 15-16 October, Islamic Azad University: Karaj branch, Karaj, Iran.
10. Sarmadi, B., Rouzbehan, Y., **Rezaei. J.** 2014. Effect of harvest date on chemical composition and in vitro fermentation parameters in forage amaranth. pp. 3138-3143. The 1st National Congress on Food Safety: Production, Processing, Consumption. 15-16 October, Islamic Azad University: Karaj branch, Karaj, Iran.
11. Imani Rad, M., Rouzbehan, Y., **Rezaei. J.** 2015. The effect of feeding almond hulls treated with urea on feed intake, growth performance and cost of diet in fattening Shall lambs. 1st Agriculture & Development Conference. 7 March 2015, Talash Conference Center, Tehran, Iran.
12. Imani Rad, M., Rouzbehan, Y., **Rezaei. J.** 2015. Chemical composition of almond hulls treated with urea and the effect of feeding it on the ruminal protozoa population in lamb. 1st Agriculture & Development Conference. 7 March 2015, Talash Conference Center, Tehran, Iran.
13. Akbari-Alaei, M., **Rezaei, J.,** Rouzbehan, Y., Ashkvari, A.R. 2018. Effect of zinc oxide and nano zinc oxide supplements of diet on the true degraded substrate, organic matter digestibility and metabolizable energy by in vitro method. The 2nd National Congress on Advanced Research in Animal Sciences. 11-12 April, University of Birjand, Birjand, Iran.
14. Akbari-Alaei, M., **Rezaei, J.,** Rouzbehan, Y., Ashkvari, A.R. 2018. Effect of zinc oxide and nano zinc oxide on some rumen fermentation parameters in vitro method. The 2nd National Congress on Advanced Research in Animal Sciences. 11-12 April, University of Birjand, Birjand, Iran.

15. Ashkvari, A.R., **Rezaei, J.,** Fazaeli, H., Akbari-Alaei, M. 2018. Effect of Bacillus and yeast supplements on some in vitro ruminal fermentation parameters. The 2nd International Conference on Applied Research in Agricultural, Natural Resources and Environment. 26 April, Hamadan, Iran.
16. Ashkvari, A.R., **Rezaei, J.,** Fazaeli, H., Akbari-Alaei, M. 2018. Effect of Bacillus and yeast supplements on truly degraded substrate, OMD and ME by in vitro method. The 2nd International Conference on Applied Research in Agricultural, Natural Resources and Environment. 26 April, Hamadan, Iran.
17. Akbari-Alaei, M., **Rezaei, J.,** Rouzbehan, Y. 2018. Effect of ZnO and nano-ZnO on in vitro ammonia-N, microbial protein and degraded substrate. The 8th Iranian Animal Science Congress. 28-29 August, University of Kordestan, Sanandaj, Iran.
18. Ashkvari,A.R., **Rezaei, J.,** Fazaeli, H., Dehghan, S.A. 2018. Effects of lactobacillus and yeast on in vitro digestibility, truly degraded substrate and methane production. The 8th Iranian Animal Science Congress. 28-29 August, University of Kordestan, Sanandaj, Iran.
19. Alijani, K., **Rezaei, J.,** Rouzbehan, Y. 2018. Effect of nano zinc oxide on ruminal protozoa, pH and ammonia concentration in rumen fluid sheep. The 8th Iranian Animal Science Congress. 28-29 August, University of Kordestan, Sanandaj, Iran.
20. Hosseini-Vardanjani, S.F., **Rezaei, J.,** Karimi-Dehkordi, S., Rouzbehan, Y. 2018. Effect of pre- and post-partum feeding different level of nano-zno on feed intake and diet digestibility in ewe. The 8th Iranian Animal Science Congress. 28-29 August, University of Kordestan, Sanandaj, Iran.
21. Hosseini-Vardanjani, S.F., **Rezaei, J.,** Karimi-Dehkordi, S. 2018. Effect of feeding different levels of nano ZnO instead of ZnO on Immunoglobulins and blood cells counts in pre- and post- partum ewe. The 12th Iranian Veterinary Student Congress. 4-5 September, Semnan University, Semnan, Iran.
22. Aboutaleb Yazdi, M.R., **Rezaei, J.,** Mokhtassi Bidgoli, A. and Rouzbehan, Y. 2023. Investigating the effects of Proteus pesticide on gas production, digestibility of organic matter and truly degraded substrate in ruminal in vitro fermentation conditions. The 3rd National Congress on Advanced Researches in Animal Science. 15 February, University of Birjand, Birjand, Iran.
23. Aboutaleb Yazdi, M.R., **Rezaei, J.,** Mokhtassi Bidgoli, A., Rouzbehan, Y. and Akbari Shooshood, M. 2023. The effect of low levels of Zeolite (Clinoptilolite) on ruminal fermentation variables on in vitro conditions. The 3rd National Congress on Advanced Researches in Animal Science. 15 February, University of Birjand, Birjand, Iran.
24. Akbari Shooshood, M., **Rezaei, J.,** Ayyari Noushabadi, M., Rouzbehan, Y. and Aboutaleb Yazdi, M.R. 2023 Effect of solid residues (Pulp) from distillation and essential oil extraction of mint (*Mentha spicata* L.) on digestibility, methane production and antioxidant capacity in gas production conditions. The 3rd National Congress on Advanced Researches in Animal Science. 15 February, University of Birjand, Birjand, Iran.
25. Akbari Shooshood, M., **Rezaei, J.,** Ayyari Noushabadi, M. and Rouzbehan, Y. 2023 Investigating the effect of saffron petals on in vitro digestibility, microbial protein and methane production. The 3rd National Congress on Advanced Researches in Animal Science. 15 February, University of Birjand, Birjand, Iran.
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Projects:

1. Determining voluntary intake and digestibility of Jerusalem artichoke (*Helianthus tuberosus*) silage in sheep. 2015. Animal Science Research Institute, Karaj, Iran; Code 2-13-13-94144.
2. Nutritive value of five species of amaranth planted at four climates of Iran. 2018. Iran National Science Foundation, Science Deputy of Presidency, Tehran, Iran; Code 95842798.
3. Effect of pre- and post- partum supplementation of inorganic, nano or organic zinc sources, equal to or higher than NRC guideline, on ewe and lamb performance. 2020. Iran National Science Foundation, Science Deputy of Presidency, Tehran, Iran; Code 95834728.
4. Effects of fodder beet silage substituted for corn silage on performance of dairy cows. Iran National Science Foundation, Science Deputy of Presidency, Tehran, Iran; Code 98002150.

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MSc. Thesis Supervisor:

1. Razmkhah, M. 2016. Effect of feeding Jerusalem artichoke silage on feed intake, digestibility, microbial nitrogen, and rumen and blood parameters in sheep. Dept. of Anim. Sci., Tarbiat Modares Univ., Tehran, Iran. (February)

2. Roshanzamir, H. 2016. Effects of organic or inorganic sources of Mn, Zn and Cu on performance, health status and fertility in dairy cows. Dept. of Anim. Sci., Tarbiat Modares Univ., Tehran, Iran. (September)
3. Hosseini, S.F. 2017. Effect of pre- and post-partum feeding zinc oxide, zinc-methionine and nano-zinc oxide, equal to or higher than NRC guideline, on ewe and lamb performance. Dept. of Anim. Sci., Tarbiat Modares Univ., Tehran, Iran. (July)
4. Farzinmehr, S. 2017. Effect of harvesting frequency on chemical composition, degradability, digestibility and in vitro fermentation of Jerusalem artichoke forage and tubers. Dept. of Anim. Sci., Tarbiat Modares Univ., Tehran, Iran. (July)
5. Abdollahi, M. 2017. Effect of feeding different levels of zinc oxide, zinc-methionine and nano-zinc oxide on the performance, health status and immunity of calf. Dept. of Anim. Sci., Tarbiat Modares Univ., Tehran, Iran. (July)
6. Alijani, K. 2018. Effect of inorganic, nano and organic sources of zinc on mineral absorption and retention, rumen fermentation and blood parameters in sheep. Dept. of Anim. Sci., Tarbiat Modares Univ., Tehran, Iran. (September)
7. Riazi, H. 2018. Effect of different levels of ZnO and nano-ZnO on digestibility, ruminal fermentation parameters and antioxidant capacity by in vitro method. Effect of different levels of ZnO and nano-ZnO on digestibility, ruminal fermentation parameters and antioxidant capacity by in vitro method. Dept. of Anim. Sci., Tarbiat Modares Univ., Tehran, Iran. (September)
8. Hosseini, S.M. 2018. Chemical analysis and digestibility of some pasture fodders and their effects on in vitro ruminal fermentation parameters. Dept. of Anim. Sci., Tarbiat Modares Univ., Tehran, Iran. (October)
9. Ashkvari, A.R. 2019. Effect of Lactobacillales, Bacillales and/or yeast supplements on ruminal fermentation parameters, microbial population and some hydrolytic enzymes activities using in vitro method. Dept. of Anim. Sci., Tarbiat Modares Univ., Tehran, Iran. (February)
10. Akbari Alaei, M. 2019. Effect of oxide, sulphate, nano oxide and methionine sources of zinc on ruminal fermentation parameters, microbial population, some hydrolytic enzymes activities and antioxidant capacity using in vitro method. Dept. of Anim. Sci., Tarbiat Modares Univ., Tehran, Iran. (February)
11. Akbari-Shooshood, M. 2019. Effect of different dietary levels of *Diplotaenia cachrydifolia* Bioss on performance of Shal sheep. Dept. of Anim. Sci., Tarbiat Modares Univ., Tehran, Iran. (September)
12. Bagherpour, Z. 2019. Effect of using probiotic and biochar on in vitro digestibility and fermentation parameters. Dept. of Anim. Sci., Tarbiat Modares Univ., Tehran, Iran. (September)
13. Emadianfar, H. 2019. Effect of diffferent biochars and wood vinegar on in vitro digestion and ruminal fermentation. Dept. of Anim. Sci., Tarbiat Modares Univ., Tehran, Iran. (September)
14. Hosseini, S.R. 2021. Effect of different dietary levels of wood vinegar on performance of fattening lambs. Dept. of Anim. Sci., Tarbiat Modares Univ., Tehran, Iran. (September)
15. Moghani Ananlou, M. 2021. Effect of some residues from extraction of plant oil and essential oil on digestibility and ruminal fermentation parameters. Dept. of Anim. Sci., Tarbiat Modares Univ., Tehran, Iran. (September)
16. Khaksar, E. 2021. Effect of feeding different levels of *Diplotaenia cachrydifolia* Bioss on performance of pre- and post-weaning Holstein calves. Dept. of Anim. Sci., Tarbiat Modares Univ., Tehran, Iran. (September)
17. Amoei, Kh. 2022. Effect of solid and liquid residues from essential oils extraction of some medicinal plants on in vitro digestibility, microbial protein and ruminal parameters of sheep. Dept. of Anim. Sci., Tarbiat Modares Univ., Tehran, Iran. (September)
18. Aboutaleb Yazdi, M.R. 2022. Assessing the function of inorganic and organic additives in controlling the effects of different pesticides on in vitro ruminal fermentation variables. Dept. of Anim. Sci., Tarbiat Modares Univ., Tehran, Iran. (September)
19. Mousavizadeh, F. 2022. Effect of planting density, fertilizer management and different cuttings on nutritional value of artichoke (*Cynara scolymus* L.) forage. Dept. of Anim. Sci., Tarbiat Modares Univ., Tehran, Iran.
20. Lotfi, M. Dept. of Anim. Sci., Tarbiat Modares Univ., Tehran, Iran.
21.

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MSc. Thesis Advisor:

1. Abbasi, D. 2010. Effects of different harvest dates and nitrogen rate on nutritive value of amaranth forage (*Amaranthus hypocondriacus*). Dept. of Anim. Sci., Tarbiat Modares Univ., Tehran, Iran. (June)

2. Sarmadi, B. 2015. Effect of harvest date and nitrogen fertilization rate in amaranth forage on the degradability, anti-nutrients and rumen parameters. Dept. of Anim. Sci., Tarbiat Modares Univ., Tehran, Iran. (January)
3. Imani Rad, M. 2015. Effect of replacing alfalfa with urea-treated almond hulls on the performance of shall fattening lambs. Dept. of Anim. Sci., Tarbiat Modares Univ., Tehran, Iran. (May)
4. Rajabi, M. 2015. Effect of adding different levels of pomegranate peel extract in diet on the performance of fattening lambs. Dept. of Anim. Sci., Tarbiat Modares Univ., Tehran, Iran. (February)
5. Tadayon Sheikh Ahmad, Z. 2015. Effects of feeding different levels of dried orange pulp and poultry litter on the performance of male fattening lambs. Dept. of Anim. Sci., Tarbiat Modares Univ., Tehran, Iran. (February)
6. Abbasi, M. 2017. Effect of wilting, molasses addition and lactobacillus inoculant on the nutritive value of amaranth (*Amaranth Maria*) silage. Dept. of Anim. Sci., Tarbiat Modares Univ., Tehran, Iran. (July)
7. Shadi, H. 2018. Comparing the nutritve value of corn silage with five varieties of amaranth silage cultivated in Khorasan. Dept. of Anim. Sci., Tarbiat Modares Univ., Tehran, Iran. (May)
8. Taghipour, M. 2020. Influence of diets containing different levels of *salicornia bigelovii* forage on digestibility,ruminal parameters,blood metabolites, and antioxidant capacity of lambs. Dept. of Anim. Sci., Tarbiat Modares Univ., Tehran, Iran. (February)
9. Rezaei Sartoshnizi, F. 2022. The effect of feeding deodorized rumen fluid and ascorbic acid on the performance of suckling calves. Dept. of Anim. Sci., Tarbiat Modares Univ., Tehran, Iran. (October)
10. Ranjbar, M. 2022. In vitro quantitative and qualitative comparison of quinoa forage with alfalfa forage. Dept. of Anim. Sci., Tarbiat Modares Univ., Tehran, Iran.

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PhD. Dissertation Supervisor:

1. Sirjani, M.H. 2022. Effect of using biochar in probiotic-contained diets on performance and health of pre- and post-weaning Holstein calves. Dept. of Anim. Sci., Tarbiat Modares Univ., Tehran, Iran.
2. Akbari-Shooshood, M. Screening the nutritional value of major by-products of medicinal plants-processing industry and formulation of superior mixture as animal feed additive. Dept. of Anim. Sci., Tarbiat Modares Univ., Tehran, Iran.
3. Khaksar, E. Dept. of Anim. Sci., Tarbiat Modares Univ., Tehran, Iran.
4.

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PhD. Dissertation Advisor:

1. Rajabi, M. Effect of replacing alfalfa with Salicornia on the performance of fattening lambs. Dept. of Anim. Sci., Tarbiat Modares Univ., Tehran, Iran.
2. Roshanzamir, H. Effect of fodder beet silage substituted for corn silage on performance of dairy cows. Dept. of Anim. Sci., Tarbiat Modares Univ., Tehran, Iran.
3. Sarhadi, N. Investigating the effect of plant density on phytochemical attributes, yield and forage quality of artichoke (*Cynara scolymus*) under conventional, organic and integrated plant nutrition. Dept. of Cultication, Tarbiat Modares Univ., Tehran, Iran.
4. Ashkvari, A. The effect of using different levels of triticale on rumen fermentation parameters and dairy cow performance. Dept. of Anim. Sci., Tarbiat Modares Univ., Tehran, Iran.
5. Izadi, Gh.A. Effect of different levels of triticale hay on performance, rumen fermentation and blood metabolites of Gray Shirazi fattening male lambs. Dept. of Anim. Sci., Tarbiat Modares Univ., Tehran, Iran.
6. Abdi Saray, A. Effect of dietary replacing alfalfa hay with Camelina hay on the performance of male fattening lambs. Dept. of Anim. Sci., Tarbiat Modares Univ., Tehran, Iran.
7.