

In the Name of God



Yousef Rouzbehan

*Faculty of Agriculture
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I. Personal Information:

Name: Yousef

Family Name: Rouzbehan

Date of Birth: 1956

Place of Birth: Al-Najaf Al-Ashraf, Iraq

Nationality: Iranian

Marital Status: Married with one child

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II. Educational Records:

Degree	Institution	Place	Field	Date
BSc	Alexandria University	Egypt	Poultry Nutrition	1982
MSc	Newcastle University	UK	Ruminant Nutritional Biochemistry	1988
PhD	Aberdeen University	UK	Ruminant Nutritional Biochemistry	1992

III. Academic Experiences:

- 1) Member of academic staff in Animal Science Department, Faculty of Agriculture, Tarbiat Modares University, Tehran, Iran (from June 1992 – continued)
- 2) Head of Animal Science Department, Faculty of Agriculture, Tarbiat Modares University, Tehran, Iran (from 2009 – 2017)

IV. Membership of Scientific Societies:

- 1) Iranian Society of Animal Science.
- 2) BSAS, UK.
- 3) American Society of Animal Science.
- 4) American Society of Dairy Science.
- 5)

V. Referee for Journals:

- 1) Journal of Agricultural Science and Technology (JAST), Faculty of Agriculture, Tarbiat Modares University, Tehran, Iran, in English.
- 2) Animal Feed Science and Technology.
- 3) Livestock Science.
- 4) Small Ruminant Research.

VI. Research Interests:

- 1) The use of industrial and agricultural by-products in animal nutrition.
- 2) The use of new forages in animal nutrition.

VII. Publications:

Publications:

1. Rouzbehan, Y., Galblaith, H., Rooke, J. A., and perrott, J.G., 1994. A note on the effects of dietary inclusion of a yeast culture on growth and ruminal metabolism of lambs given diets containing un-ground pelleted molassed dried sugar beet pulp and barley in various proportions. *Animal Production*. **59**: 147-150.
2. Rouzbehan, Y., Galbaith, H., Topps, J. H. and Rooke, J. A., 1996. The response of sheep to big bale grass silage ensiled with or supplemented separately with molassed sugar beet feed. *Animal Feed Science and Technology*. **59**: 279-284.
3. Rouzbehan, Y., Galblaith, H., Topps, J. H. and Rooke, J. A., 1996. Response of growing steers to diets containing big bale silage and supplements of molassed sugar beet feed with and without white fishmeal. *Animal Feed Science and Technology*. **62**: 151-162.
4. Fazaeli, H., Mahmodzadeh, Z., Jelan, A., Rouzbehan, Y., Liang, J. B. and Azizi, A., 2004. Utilization of fungal treated wheat straw in the diet of late lactating cow. *Asian-Australian Journal of Animal Sciences*. **17**(4): 467-472.
5. Fazaeli, H., Mahmodzadeh, Z., Azizi, A. Jelan, A., Liang, J. B., Rouzbehan, Y. and Osman, A., 2004. Nutritive value of wheat straw treated with *Pleurotus* fungi. *Asian-Australian Journal of Animal Sciences*. **17** (12): 1681-1688.
6. Pirmohammadi, R., Rouzbehan, Y., Rezayazdi, K., Zahedifar, M., 2006. Chemical composition, digestibility and in situ degradability of dried and ensiled apple pomace and maize silage. *Small Ruminant Research*. **66**: 150-155.
7. Alipour, D., Rouzbehan, Y., 2007. Effects of ensiling grape pomace and addition of polyethylene glycol on in vitro gas production and microbial biomass yield. *Animal Feed Science and Technology*. **137**: 138-149.
8. Yousef Elahi, M., Rouzbehan, Y., 2008. Characterization of *Q. persica*, *Q. infectoria* and *Q. libani* as ruminant feeds. *Animal Feed Science and Technology*. **140**: 78-89.
9. Bagheripour, E, Rouzbehan, Y., Alipour, D., 2008. Effects of ensiling, air-drying and addition of polyethylene glycol on in vitro gas production of pistachio by-products. *Animal Feed Science and Technology*. **146**: 327-336.

10. 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.
- 11- Alipour, D., Rouzbehan, Y., 2010. Effects of several levels of extracted tannin from grape pomace on intestinal digestibility of soybean meal. *Livestock Science*. **128**: 87-91.
- 12- Abarghuei, M. J., Rouzbehan, Y., Alipour, D., 2010. The influence of the grape pomace on the ruminal parameters of sheep. *Livestock Science*. **132**: 73-79.
- 13- Abarghuei, M., Rouzbehan, Y. and Alipour, D., 2011. Nutritive value and silage characteristics of two samples of partly stoned and stoned olive cakes treated with molasses. *Journal of Agricultural Science and Technology*. **13**: 709-716.
- 14- Abarghuei, M. J., Rouzbehan, Y. and Alipour, D., 2011. Effect of the dietary of oak (*Quercus libani*) leaves to sheep on ruminal parameters and microbial protein synthesis. *Journal of Agricultural Science and Technology*. **13**: 1021-1032.
- 15- Abbasi, D., Rouzbehan, Y., Rezaei, J., 2012 .Effect of harvest date and nitrogen fertilization rate on the nutritive value of amaranth forage (*Amaranthus hypochondriacus*). *Animal Feed Science and Technology*. **171**: 6-13.
- 16- Yousef Elahi, M., Rouzbehan, Y., Rezaee, A., 2012. Effects of phenolic compounds in three oak species on in vitro gas production using inoculums of two breeds of indigenous Iranian goats. *Animal Feed Science and Technology*. **76**: 26-31.
- 17- Azizi-Shotorkhoft, A., Rouzbehan, Y., Fazaeli, H., 2012. The influence of the different carbohydrate sources on utilization efficiency of processed broiler litter in sheep. *Livestock Science*. **148**: 249-254.
- 18- 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.
- 19- Abarghoei, M. J., Rouzbehan, Y., Salem, A. Z. M., Zamiri, M. J., 2013. Nutrient digestion, ruminal fermentation and performance of dairy cows fed pomegranate peel extract. *Livestock Science*. **157**: 452-461.

- 20- Nooriyan Soroor, E., Rouzbehan, Y., Alipour, D., 2013. Effect of *Echium amoenum* extract on the growth rate and fermentation parameters of Mehraban lambs. *Animal Feed Science and Technology*. **184**: 49-57.
- 21- Abarghoei, M. J., Rouzbehan, Y., Salem, A. Z. M., Zamiri, M. J., 2014. Nitrogen balance, blood metabolites and milk fatty acid composition of dairy cows fed pomegranate-peel extract. *Livestock Science*. **164**: 72-80.
- 22- Mohammad Javad ABARGHUE, Yousef ROUZBEHAN, Abdel-Fattah SALEM. 2014. The influence of pomegranate-peel extracts on in vitro gas production kinetics of rumen inoculum of sheep. *Turkish Journal of Veterinary and Animal Sciences*, **38**: 212-219.
- 23- 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.
- 24- Toufighi, K., Jafari Ahangari, Y., Rouzbehan, Y., Karimi, K., 2014. Effect of rumen-protected fat on performance and serum concentration of T3 hormone of Holstein young bulls during hot, humid weather. *Italian Journal of Animal Science*. **13**: 317-321.
- 25- Baluch-Gharaeia, 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.
- 26- 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.
- 27- Mirmohammadi, D., Rouzbehan, Y., Fazaeli, H., 2015. The effect of the inclusion of recycled poultry bedding and the physical form of diet on the performance, ruminal fermentation, and plasma metabolites of fattening lambs. *Journal of Animal Science*. **93**:3843-3853.
- 28- 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.

29- Direkvandi, E., Rouzbehan, Y., Fazaeli, H., 2016. Effects of feeding frequency on nutrient digestibility and feeding behavior in the Turkmen horse. *Journal of Agricultural Science and Technology*. **18**, 937-948.

30- 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.

31- Babaei, Y., Rouzbehan, Y. and Alipour, D., 2015. Effect of rumen bacteria from sheep adapted to a tanniniferous diet on in vitro fermentation parameters of pistachio hulls using bovine inoculum. *Iranian Journal of Veterinary Research*. **16**: 357-362.

32- Imani Rad, M., Rouzbehan, Y., Rezaei, J., 2016. Effect of dietary replacing 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.

33- Sarmadi, B., Rouzbehan, Y., Rezaei, J., 2016. Influences of maturity and nitrogen fertilizer on chemical composition, phenolics, in situ degradability and in vitro ruminal parameters in amaranth forage. *Animal Feed Science and Technology*. **215**: 73–84.

34- Nooriyan Soroor, M. E., Rouzbehan, Y., 2017. Effect of Essential Oils of Eucalyptus (*Eucalyptus globulus*) and Golpar (*Heracleum persicum*) on in vitro Ruminal Fermentation, Protozoal Population and Methane Emission using Afshari Sheep inoculum. *Journal of Agricultural Science and Technology*. **19**: 553-567.

35- M. Rajabi, 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.

36- 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.

37- 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.

39- Abbasi, M., Rouzbehan, Y., Rezaei, J., Sven-Erik Jacobsen. 2018. The effect of lactic acid bacteria inoculation, molasses, or wilting on the fermentation quality and nutritive value of amaranth (*Amaranthus hypochondriacus*) silage. *Journal of Animal Science*. **96**:3983–3992.

40- 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 lactating Holstein cows. *Journal of Dairy Science*. **101**: 1–9.

VIII. Papers Presented in Conferences:

1. Rouzbehan, Y. 1995. The development of feeding stuff evaluation systems in Iran. Proceedings of the British Society of Animal Science (winter Meeting). Scarborough. U.K.
2. Rouzbehan, Y., Shabani, A., Assadi Moghadam, R. and Nikkhah, A. 1996. The effect of age and energy level on the growth potential of Sangsary male lambs in Iran. Proceedings of the British Society of Animal Science (winter Meeting). Scarborough. U.K.
3. Rouzbehan, Y. Shabani, Assadimoghadam, R. and Nikkhah, A. 1997. The effect of age and energy level on the growth potential of sangsary female lambs in Iran. Proceedings of the British Society of Animal Science (Winter Meeting). Scarborough. U.K.
4. Rouzbehan, Y. Hadhdawi, M.A. and Mirhadi, S.A. 1999. The nutritive value of some of the roughages from Gilan province in Iran. Proceeding of the National Congress on Animal Health and Production. P, 171. Melaka, Malaysia.
5. Rouzbehan, Y., Gharaei, M.A., Gholami H. and Mirhadi, S.A. 1999. Comparison of different techniques for predicting digestibility in sheep. Proceedings of the national Congress on Animal Health and Production. P, 209. Melaka, Malaysia.
6. Rouzbehan, Y., and Rezaee, M. 1999. The response of dairy cows to maize silage ensiled with Molassed sugar beet pulp. Proceedings of the National Congress on Animal Health and Production. P, 279. Melaka, Malaysia.
7. Rouzbehan, Y., Fazaeli H. and Kiani, A. 2000. The influence of urea and white rot fungi on the nutritional value of wheat straw. Proceedings of the British Society of Animal Science (Winter Meeting). Scarborough, U.K.
8. Rouzbehan, Y., Fazaeli, H. and Kiani, A. 2001. The chemical composition and digestibility of wheat straw treated with urea and white rot fungi. Proceedings of the British Society of Animal Science. Annual Meeting. University of York. U.K.
9. Rouzbehan, Y., Shahbazi H. and Reza Yazdi, K. 2001. The effect of different levels of inorganic sulphur on the rumen parameters of Raini goat. Proceedings of the British Society of Animal Science, Annual Meeting. University of York. U.K.
10. Rouzbehan, Y., Fazaeli, H., Jalan, Z.A.M., Mahmoudzadeh, H., Laing, B.J., Azizi, A. and Osman Awang. 2001. The proceedings of the British Society of Animal Science. Proceedings of the British Society of Animal Science, Annual Meeting. University of York. U.K.
11. Rouzbehan, Y. 2001. The effect of dietary inclusion of dry or silage reed on milk yield and milk composition of lactating buffaloes. The Proceedings of the First Italian Buffalo Congress. Eboli. Italy.

12. Rouzbehan, Y. and Shojaosadati, S.A. 2002. The nutritive value of sugar beet pulp treated with *Neurospora Sitophila*. The proceedings of the British Society of Animal Science. Annual Meeting. University of York. U.K.
13. Rouzbehan, Y. 2002. The effect of different levels of fish meal on the quality and quantity of fiber in Raini male goat. The 53rd meeting of EAAP, Cairo, Egypt.
14. Rouzbehan, Y. 2002. The effect of supplementing grass silage with barley and fish meal upon nutrients digestibility and rumen parameters in sheep. The 53rd meeting of EAAP, Cairo, Egypt.
15. Rouzbehan, Y. 2002. The influence of dietary supplement of undegradable protein on the growth performance and mohair characteristics of Markhoz male goat. The 53rd meeting of EAAP, Cairo, Egypt.
16. Rouzbehan, Y., Fatahnia, F. and Rizayazdi, K. 2003. The effect of different ratios of effective rumen degradable nitrogen: sulphur (ERDP:S) on the microbial production in the Raini goats. The 54th meeting of EAAP, Rome, Italy.
17. Farahpour, A., Rouzbehan, Y. 2003. The influence of different levels of by-pass on the performance and wool characteristics of Sanjabi sheep. The 54th meeting of EAAP, Rome, Italy.
18. Rouzbehan, Y., Taghizade, K. and Rizayazdi, K. 2003. The influence of different levels of fish meal on the performance and carcass characteristics of Raini goat. The proceedings of the British Society of Animal Science. Annual Meeting, University of York. UK.
19. Rouzbehan, Y., Rizayazdi, K. and Zahedifar, M. 2003. The intake and digestibility in Raini male goat fed different ratios of effective rumen degradable nitrogen: sulphur. The Proceedings of the British Society of Animal Science, Annual Meeting, University of York. UK.
20. Alipour, D. and Rouzbehan, Y. 2005. Effect of ensilage and polyethylenglycol on gas production and microbial mass yield of grape pomace, 56th Ann. Meeting EAAP, Uppsala, Sweden 5 - 8 June.
21. Alipour, D. and Rouzbehan, Y. 2005. The effect of ensilage on the digestibility of grape pomace. Proceedings of a AHAT/BSAS International Conference. Khon Kaen, Thailand.
22. Alipour, D. and Rouzbehan, Y. 2005. The effect of polyethylene glycol on digestibility of grape pomace: comparison of sheep and goat. Proceedings of a AHAT/BSAS International Conference. Khon Kaen, Thailand.
23. Alipour, D. and Rouzbehan, Y. 2005. The effect of tannins in grape pomace on protein fractions in soybean meal, BSAS Annual Conference, Southport Theatre and Floral Hall Complex, Southport.

IX. Research Students Supervised:

XI. Research Students Co-Supervised:

XII. Courses Taught:

- 1) Biochemistry in Animal Nutrition, MSc, Tarbiat Modares University, Iran
- 2) Advanced Animal Nutrition, PhD, Tarbiat Modares University, Iran

XIII. Referees:

- **Professor Jamie Newbold**, Director of Research and Enterprise, Professor of Animal Science, Leader of Animal & Microbial Sciences Research Division, Aberystwyth University, Wales, UK.
- **Dr.** , Senior Lecturer, Univ., UK.

XIV. Others:

- Sabbatical Leave, 3 months (2003), The effect of phenolics compounds in industrial by-products on the animal performance. Institute of Animal Production in the Tropics and Subtropics (480), University of Hohenheim, Stuttgart, Germany.
- Sabbatical Leave, 9 months (2009), on ruminant microbiology. Microbial Sciences Research Division, Aberystwyth University, Wales, UK.