



**First Name:** Morteza

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## **EDUCATION BACKGROUND**

### **(I)**

- **Degree:** BSc
- **University:** University of Mazandaran-Agricultural Sciences & Natural Resources *College of Sari-Iran*
- **Completion date:** 2008
- **Topic:** Agricultural Engineering – Animal Science
- **Place:** Top 1<sup>th</sup> student among the graduated students of the year 2008.
- **Notice:** I've got the grade **A** among the graduated students of the year 2008. Average of score: **17.90 of 20**

## (II)

**Degree:** MSc

■ **University:** Ferdowsi University of Mashhad-Mashhad-*Iran*

■ **Completion date:** September, 2010

■ **Topic:** Agricultural Engineering– Animal Science- Animal Nutrition

■ **Place:** Top 3<sup>th</sup> student among the graduated students of the year 2010.

■ **Thesis Subject:** Effect of different feed additives on the chemical composition of citrus pulp silage and response of Holstein dairy cows to different pectin rich feedstuff.

■ **Supervisor:** Professor Abbas Ali Naserian

■ **Advisors:** Prof R. Valizadeh, Prof A. M. Tahmasbi

■ **Notice:** I've got the highest score of thesis among the students-**19.43** of 20.

## (III)

### **Sabbatical Period**

■ **Institute:** Institute of National Research in Agriculture (INRA-Clermont-Ferrand-Theix). UMRH1213. Dep. Animal nutrition and Genomic.

■ **Date:** 1<sup>th</sup> April to 30<sup>th</sup> September, 2014

■ **Topic:** Ruminant Nutrition- Manipulation of milk fatty acid in dairy cows

■ **Research Subject:** Effects of diet composition (essentially oilseed supplementation) on performance, blood metabolites, rumen, plasma and milk fatty acids in dairy cows- A Meta-analysis method.

■ **Supervisor:** Professor Anne Ferlay.

■ **Advisors:** Dr. Pierre Noziere.

### **(III)**

■ **Current Position:** Ph. D in ruminant nutrition- Assistant Professor at Yasouj University, **Yasouj, Iran.**

**Degree:** Ph.D.

■ **University:** from Ferdowsi University of Mashhad-Mashhad-*Iran*

■ **Completion date:** June, 2015

■ **Topic:** Animal Science- Ruminant Nutrition

■ **Thesis Subject:** Production of extruded flaxseed resistant to oxidation and its effect on performance, fatty acid composition of rumen fluid and milk in dairy cows fed pistachio by-product.

■ **Supervisor:** Professor Abbas Ali Naserian

■ **Advisors:** Prof. R. Valizadeh, Prof A. M. Tahmasbi, Dr. M. Safarian

■ **Notice:** I've got the highest score of thesis among the students-19.37 of 20.

### **Language Skills**

■ **Persian:** Native

■ **English:** Adequate reading, writing and speaking abilities (TELP (56/100) & MCHE (49/100) certificate).

■ **French:** Elementary

■ **Arabic:** Elementary

### **Research skills**

#### **Laboratory and practical skills:**

- Ability for writing and management of experimental design.
- Working with experimental ruminant animals and laboratory animals.

### **C**

- Using new techniques of measuring feed ingredients.

- Working and learning many of techniques used for animal science including nylon bags technique, In-vitro gas production test, Batch culture test,... .
- Working with HPLC system for different analysis, such as fatty acid analysis in milk, feed and blood plasma.

### **Computational skills:**

- Data analysis by SAS system (software).
- I have the certificate of ICDL1 and ICDL2.
- Familiar with different computer operating system and software for balancing ruminant rations (exp. NRC 2001, CNCPS).
- Programs: Working with EndNote, Microsoft Office Word, Excel and PowerPoint.
- Drawing all kinds of **graph** by **Microsoft word** and **excel**.
- Learn how to use **meta-analysis** method for animal science studies.

### **Research interests**

- Use of agricultural by-products as animal feeds
- Improvement of silage quality
- Manipulation of milk fatty acids by feeding strategies
- Effects of tannins on bio-hydrogenation of fatty acids in rumen
- Implications of animal nutrition on human health
- Study on pre/probiotics effects on animal production

### **Other Research Projects**

- Effect of sodium betonies and polyethylene glycol in diets with pistachio by- products on growth performance and blood metabolites of Sannen kids.

- Effect of sodium betonies and poly ethylene glycol in diets with pistachio by- products on Sannen kids in heat stress.
- Investigation of chemical composition, *in-vitro* gas production and *in-situ* degradability of pistachio, peanut, walnut and almond hulls.
- Evaluation of buffering and fermentation properties of different buffering compounds in aqueous and *in-vitro* rumen culture.

## Publications

### ■ Book

- 1- Phosphorous and Calcium Utilization and Requirements in Farm Animals. By: Prof. Dr. H. Kermanshahi, A. Gilani, Kh. Pournia and **M. Kordi**. 2013. ISBN: 978-600-5202-49-6. (Translated to Persian).
- 2- A Guide to Raising Calves for Beef. By: Dr. F. Samadian and **M. Kordi**. 2020. ISBN: 978-622-6633-31-4. (Translated to Persian).

### ■ Thesis

- **Kordi. M.** 2010. Effect of different feed additives on the chemical composition, gas production properties of citrus pulp silage and response of dairy cows to different rich sources of pectin feedstuffs. MSc. thesis, Ferdowsi university of Mashhad, Mashhad, Iran.

Supervisor: Prof. Abbas Ali Naserian.

- **Kordi. M.** 2015. Production of extruded flaxseed resistant to oxidation and its effect on performance, fatty acid composition of rumen fluid and milk in dairy cows fed pistachio by-product. PhD. thesis, Ferdowsi university of Mashhad, Mashhad, Iran.

Supervisor: Prof. Abbas Ali Naserian.

## ■ Articles

## ■ Research Articles

1. **Kordi. M.**, A.A Naserian. 2012. Influence of wheat bran as silage additive on chemical composition, *in situ* degradability and *in vitro* gas production of citrus pulp silage. *Afric J. Biotech.* 11(63), 12669-12674.
2. **Kordi. M.**, A.A Naserian, R. Valizadeh and A. Tahmasebi. 2014. Effect of different levels of sugar beet pulp on chemical composition, *in situ* degradability and *in vitro* gas production of citrus pulp silage. *Journal of Ruminant Research. (Agricultural Sciences & Natural Resources University of Gorgan-Iran)*. 2(1), 17-32.
3. **Kordi. M.**, A.A Naserian, R. Valizadeh, A. Tahmasbi, M. Safarian and M. Yari. 2015. Fat absorption capacity of alfalfa hay harvested at three stages of maturity with different particle sizes and some feedstuffs on common oil sources. *Res. Opin. Anim. Vet. Sci.* 5(3): 124-127.
4. **Kordi. M.**, A.A Naserian, R. Valizadeh, A. Tahmasbi and M. Safarian. 2015. Effects of extrusion process on physicochemical properties, *in situ* rumen degradability, oxidative stability and  $\alpha$ -Linolenic acid retention in flaxseed during long term storage *Res. Opin. Anim. Vet. Sci.* 5(6): 259-264.
5. **Kordi. M.**, A.A Naserian, R. Valizadeh, A. Tahmasbi and M. Safarian. 2016. Improving the quality properties of extruded linseed as mixed with different absorbent materials in Iran. *Journal of Agricultural Science and Technology.* 18: 337-345. **(IF=0.815)**.
6. **Kordi, M.**, and Naserian, A. A. 2020. EVALUATION OF NUTRITIONAL VALUE OF SOME NUT HULLS AS FEEDSTUFFS FOR RUMINANTS BY *in vitro* GAS PRODUCTION TECHNIQUE. *Journal of Agricultural, Food and Environmental Sciences, JAFES*, 74(1), 25-31.
7. **Kordi, M.**, and Naserian, A. A. 2020. EFFECTS OF REPLACING LOW STARCH BY-PRODUCTS FOR BARLEY GRAIN ON *in situ* RUMEN DEGRADABILITY AND *in vitro* GAS PRODUCTION PROPERTIES OF A TOTAL MIXED RATION. *Journal of Agricultural, Food and Environmental Sciences, JAFES*, 74(2), 54-70.
8. **Kordi, M.**, and Naserian, A. A. 2021. Nutritive Value, Qualitative Characteristics, *in situ* Rumen Dry Matter Degradability and *in vitro* Gas Production parameters of Citrus Pulp Silage Supplemented with Barley Grain. *Slovak Journal of Animal Science*, 54(2). 66-74.
9. **Kordi. M.**, A.A Naserian, R. Valizadeh, and A. Tahmasbi. 2021. Effects of different sources of pectin rich by-products substituted for barley grain on Milk production and

composition, plasma metabolites, and chewing activity in Holstein dairy cows. *Slovak Journal of Animal Science*, 54(3). 121-129.

10. **Kordi, M.**, Naserian, A. A. and Samadian, F. 2022. The influences of adding polyethylene glycol and activated sodium bentonite on the performance, blood parameters, and muscle mineral content of Saanen goats fed pistachio by-products. *Iranian Journal of Applied Animal Science, IJAAS*, 12(2), 303-313.
11. Samadian, F., **Kordi, M.**, Eskandari, M. J., Bahreini Behzad, M. R. 2023. Effects of using *Elaeagnus angustifolia* L. fruit powder in flushing diet on reproductive performance of Lori-Bakhtiari ewes. *Veterinary Researches & Biological Products*, (Accepted), doi: 10.22092/vj.2022.358062.1957.

## ■ Conference Papers

12. **Kordi, M.**, A.A Naserian, R. Valizadeh and A. Tahmasebi. 2019. Effect of pistachio by-products on yield and composition of milk fatty acids in Holstein dairy cows fed a diet containing extruded flaxseed. *Proceeding of 8<sup>th</sup> National Conference on Food Security; Ideas and Research in Recycling and Waste Reduction Engineering*. 1 May, Tarbiat Modares University. Tehran, Iran.
13. **Kordi, M.**, A.A Naserian, R. Valizadeh and A. Tahmasebi. 2019. Evaluation of milk antioxidant capacity changes in Holstein dairy cows using extruded flaxseed feed and pistachio by-products. *Proceeding of 4<sup>th</sup> International Congress of Developing Agriculture, Natural Resources, Environment and Tourism*. 14-16 August, Tabriz Islamic Art University. Tabriz. Iran.
14. Samadian, F., J. Eskandari and **Kordi, M.** 2019. The effect of complete replacement of soybean meal with sesame and rapeseed meal on yield of male lambs. *Proceeding of 4<sup>th</sup> International Congress of Developing Agriculture, Natural Resources, Environment and Tourism*. 14-16 August, Tabriz Islamic Art University. Tabriz. Iran.
15. **Kordi, M.**, A.A Naserian, F. Samadian. 2019. Effects of pistachio by-product polyphenols on oxidative stability and  $\alpha$ -Linolenic acid retention in extruded linseed during long term storage. *X International Agriculture Symposium "AGROSYM 2019"*. Jahorina, 3-6 October 2019, Bosnia and Herzegovina.
16. **Kordi, M.**, A.A Naserian. 2019. Comparison of nutritional value and in vitro gas production of some Iranian nuts hulls. *X International Agriculture Symposium "AGROSYM 2019"*. Jahorina, 3-6 October 2019, Bosnia and Herzegovina.
17. Ahmadpour, A., Shahbazian, A., **Kordi, M.**, Zarrin, M., and Samadian, F. 2021. Study the Physiologic Changes of Turki-Qashqei Ewe in Winter and Summer Habitat. *9<sup>th</sup> National and 1<sup>th</sup> International Congress of Animal Sciences of Iran*. 15-16 September 2021, Sari, Iran.

## ■ Research Projects

Projects Title	Sponsoring Agency	Duration
Evaluation of buffering and fermentational properties of different buffer compounds in aqueous and ruminal cultures	Yasouj University	2020-2021
Measurement of the buffering capacity, acid neutralization diagram of buffer samples and the effect of selected buffer compounds on <i>in vitro</i> ruminal pH	Yasouj University	2021-2022

## ■ Honours and Awards

- 2008, Top 1<sup>th</sup> Student in BCs at Mazandaran University. Mazandaran. Iran.
- 2010, Top 3<sup>th</sup> Student in MSc at Ferdowsi University of Mashhad. Mashhad. Iran.
- 1<sup>th</sup> October 2012-1<sup>th</sup> October 2014, scholarship by Ministry of Science, Research and Technology in Iran for sabbatical period at INRA (Clermont-Ferrand, France).

## ■ Memberships

- Reviewer of Journal of Agricultural Science and Technology A & Journal of Agricultural Science and Technology B. from 19/10/2011.
- Reviewer of Journal of African Journal of Food Science.
- Reviewer of Journal of Ruminant Research. (Agricultural Sciences & Natural Resources *University of Gorgan-Iran*).



- Member of the editorial board of International Journal of Agriculture Sciences (IJAS).
- Member of Reproductive Biology and Genetics Society (RBGS).
- Member of Agriculture and Natural Resources Engineering Organisation (ANREO) of Iran.
- Member of Iranian Society of Animal Science.