

Khalil Safaei

Email: k.safaei@ag.iut.ac.ir , kh.safaei@gmail.com
Cell phone: (+98) 918 133 0720

Administration of Nomadic Affairs, Golestan
Blvd, Kermanshah, Iran

CAREER PROFILE

- Advisor at Isfahan University of Technology, Isfahan, Iran
- Lecturer at Isfahan University of Technology, Isfahan, Iran
- 14 years of research experience/technical consulting in Animal Nutrition and Production both in academia and industry
- Guest researcher at Wageningen University of Netherlands
- Excellent communication and team work skills demonstrated through collaboration with researchers and leading industry projects
- PhD degree on feeding of processed barley and corn to Holstein dairy cows
- Teaching experience in Animal Nutrition and Production with positive feedback from students
- Competent in conducting high quality research with clear contributions to both research and practice
- Lecturer at Technical and Vocational Higher Education Institute, Agriculture Ministry, Iran
- Teacher at Andishe Amozegar Institute, Tehran, Iran

CURRENT APPOINTMENT

09/2016 - Senior Expert of Planning

Present Administration of Nomadic Affairs, Golestan Blvd, Kermanshah, Iran

10/2016 - Senior Consultant

Present Administration of Nomadic Affairs, Golestan Blvd, Kermanshah, Iran

EDUCATION

09/2011- PhD in Ruminant Nutrition

09/2016 Isfahan University of Technology, Iran

Thesis title: Effects of processed barley and corn on performance of Holstein dairy cows in low forage diets

- Published 2 journal articles in peer-reviewed journals and 1 conference paper
- Wrote and Published one chapter in a book entitled 'Herbivores'
- Visiting scholar in the Wageningen University of Netherlands
- Selected as "top PhD student" in Sixth festival of selection the best student at Isfahan University of Technology, Isfahan, Iran

09/2000- M.Sc. in Animal Nutrition

06/2003 Tabriz University, Iran

Thesis title: The effect of different levels of monensin on Ghezel lambs performance by step-up feeding program

- Published one journal article in a peer-reviewed journal and five conference papers
- Top student with GPA 17.91 (out of 20)

09/1996- **B.S. in Animal Science**
07/2000 Razi University, Iran
Thesis: Feeding systems of dairy cattle

ACADEMIC AND INDUSTRIAL RESEARCH EXPERIENCE

09/2016 - Senior Consultant

Present Administration of Nomadic Affairs, Golestan Blvd, Kermanshah, Iran
Key accountabilities: Consulting to general manager for technical issues

10/2016 - Senior Expert of Planning

Present Administration of Nomadic Affairs, Golestan Blvd, Kermanshah, Iran
Key accountabilities:

- Trying to produce special concentrate for different kinds of Nomad's animals
- Trying to setting up an ewe flock farm with 1000 head

09/2015- Head of production improvement office

12/2016 Administration of Nomadic Affairs, Golestan Blvd, Kermanshah, Iran.
Key accountabilities:

- Advising farmers wrt animal nutrition, health and reproduction
- Planning to improve health status of animals
- Focus on grain processing to improve nutritional status of ruminants
- Management of reproduction status of small ruminants by using sustained-release tablets
- Try to introduce organic meat from small ruminants for some parts of Kermanshah province
- Try to create balance between animal numbers and available range of Kermanshah province
- Try to export animal /meat to some countries near Iran, especially Arabic countries

03/2015- Visiting scholar in the Wageningen University of Netherlands

08/2015 **Guest researcher:**
For working on a project entitled 'development of a simple method for determination of the nutritional status of dairy cattle on commercial farms'

10/2012- Senior Consultant of Animal feed company

09/2016 Chavdenh Company, Isfahan, Iran
Key accountabilities:

- Calibration of steam-flaker/roller to produce steam-rolled/flaked grains
- To teach technical aspects of steam-flaker/roller

05/2013- Study Advisor

03/2015 Isfahan University of Technology
Key accountabilities:
Guiding BSC, MSC and PhD students for farming and laboratory analysis in animal nutrition

10/2011- Senior Expert of Animal Production Improvement

03/2013 Agriculture Organization of Isfahan Province, Isfahan, Iran
Key accountabilities: Advising farmers wrt animal nutrition, health and reproduction

09/2007- Senior Expert of Animal Production Improvement

09/2011 Administration of Nomadic Affairs, Golestan Blvd, Kermanshah, Iran.

Key accountabilities:

- Advising farmers wrt animal nutrition, health and reproduction
- Co-author for writing 20 years vision of farmers in Kermanshah Province

12/2003- Lecturer at Technical & Vocational Higher Education Institute

08/2007 Ministry of Agriculture, Tehran, Iran

Key accountabilities:

- Chair of Poultry Department, co-creator of the group.
- Teaching Genetic and Animal Breeding, Biochemistry, Raring Principles of Laying Hen, Ration Formulation for Poultry, Raring Principles of Meat chicken, and Principles of Animal Nutrition to students at Bachelor level

PUBLICATIONS

Journal Papers/Books

Safaei, Kh., and W.Z. Yang. 2017. Effects of grain processing with focusing on grinding and steam-flaking on dairy cow performance, In: Herbivore. Intech Institute. Croatia. Doi.org/10.5772/67344, PP. 117-131.

Safaei, Kh., G.R. Ghorbani, M. Alikhani, A. Sadeghi Sefidmazgi, W.Z. Yang. 2017. Response of lactating dairy cows to degree of steam-flaked barley grain in low-forage diets. Journal of Animal Physiology and Animal Nutrition. 101(5):e87-e97.

Safaei, Kh., G.R. Ghorbani, M. Alikhani, A. Sadeghi Sefidmazgi, W.Z. Yang, and F. Mohammadi. 2016. Effects of processing method, steaming duration and roller setting distance on ruminal degradability of barley grain. Iranian Journal of Ruminant Research. 3: 103-12.

Safaei, Kh., A. Tahmasbi, and G. Moghaddam. 2014. Effects of high concentrate: forage ratio diets containing monensin on the management of ruminal acidosis in Gezhel lambs. Small Ruminant Research. 121(2):183-187.

Safaei, Kh. 2005. Feeds and Animal Feeding (book). Modaresan Sharif Institute. Tehran. Iran.

Conference Papers/ Presentations

Safaei, Kh., G.R. Ghorbani, M. Alikhani, A. Sadeghi Sefidmazgi, W.Z. Yang, and M. Saebi-Far. 2017. Effects of grinding versus steam-flaking on feeding value of blending barley and corn in low-forage diets fed to dairy cows. The 2017 ASAS-CSAS Annual Meeting & Trade Show, Baltimore, MD.

Safaei, Kh. 2015. Effects of processed barley and corn on Holstein dairy cows' performance (lecture). June 2015, Animal Nutrition Group of Wageningen University.

Safaei, Kh. 2015. Effects of processed barley and corn on health status of Holstein dairy cows. August 2015, Animal Nutrition Group of Wageningen University.

Safaei, Kh., A.M. Tahmasbi, Gh. Moghaddam, M. Saebi-Far, and F. Mohammadi. 2015. Effects of dietary monensin inclusion on performance, rumen fermentation and blood metabolites of Ghezel

lambs in a step-up feeding program (lecture). May 22 2015. 40th Animal Nutrition Research Forum. Merelbeke (Ghent). Belgium.

Safaei, Kh., and A.M. Tahmasbi . 2011. **Reducing the incidence of laminitis in Ghezel lambs by addition of monensin to high concentrate: Forage ratio diets.** Lameness in Ruminants 2011. New Zealand.

Safaei, kh., and Tahmasbi, A.M. 2010. **The effect of different levels of monensin on Ghezel lambs performance by step-up feeding program.** 61st Annual Meeting of the European Federation of Animal Science (EAAP). Greece.

Tahmasbi, A.M., and Moghaddam, Gh., and **Safaei, Kh.** 2005. **Manipulation of rumen fermentation by addition of monensin to high concentrate: forage ratio diets in fattening lambs.** Proceedings of British Society of Animal Science. PP. 202-203.

Safaei, Kh.,Tahmasbi, A.M., and Moghaddam, Gh. 2005. **Effect of monensin in high concentrate ration on ghezel lamb rumen parameters (lecture).** 14th Veterinary Medicine Congress of Iran. Tehran, Iran. P. 90.

Safaei, Kh.,Tahmasbi, A.M., and Moghaddam, Gh., MoghaddamVahed, M. and Rafat, S.A. 2004. **Effect of monensin supplementation on high concentrate: forage ratio on Ghezel lamb performance.** Proceedings of British Society of Animal Science. P. 115.

Theses/seminars

Safaei, Kh., G.R. Ghorbani, M. Alikhani, A. Sadeghi Sefidmazgi, W.Z. Yang. 2016. **Effects of processed barley and corn on performance of Holstein dairy cows in low forage diets.** PhD Thesis. Isfahan University of Technology, Isfahan, Iran.

Safaei, kh. 2004. **Effect of monensin supplementation on high concentrate: forage ratio on Ghezel lamb performance.** M.Sc. Thesis. Tabriz University. Tabriz. Iran.

Safaei, kh. 2002. **Purine Nitrogen Index for quick evaluation of dairy cows nutritional status.** M.Sc. seminar. Tabriz University. Tabriz. Iran.

Safaei, kh., 2000. **Feeding systems of dairy cattle.** B.Sc. seminar. Razi University. Kermanshah. Iran.

TEACHING EXPERIENCE

05/2013 - Study Advisor

03/2015 Isfahan University of Technology, Isfahan, Iran

Content: Guiding BSC, MSC and PhD students for farming and laboratory analysis in animal nutrition

03/2012 - Lecturer

07/2012 Isfahan University of Technology, Isfahan, Iran

Content: Teaching carbohydrates & fats and proteins & amino acids courses in animal nutrition to a foreign PhD student

12/ 2003 - Lecturer

08/ 2007 Technical & Vocational Higher Education Institute, Ministry of Agriculture, Teheran, Iran.

Content:

- Chair of Poultry Department, co-creator of the group
- Teaching Genetic and Animal Breeding, Biochemistry, Raring Principles of Laying Hen, Ration Formulation for Poultry, Raring Principles of Meat chicken, and Principles of Animal Nutrition to students at Bachelor level

09/ 2004 - Teacher

09/ 2006 Andishe Amozegar Institute, Tehran, Iran

Content: Teaching Biology and English language to high school students.

09/2001- Translator

09/2004 Ofogh Institute, Tabriz, Iran

Content: Translating technical English books and articles for students at bachelor and master levels

10/1997- Translator and lecturer

07/ 2000 Razi University, Kermanshah, Iran

content:

- Translating technical English articles for students at bachelor level
- Teaching Chemistry, Animal Nutrition, Animal Anatomy and Physiology to my classmates

OTHER INDUSTRY EXPERIENCE

09/2016- Technical Support Ruminant Nutrition

Present Key accountabilities:

Consulting to some companies/farmers for technical support in the area of nutrition and management/ration formulation/technical sale

ENGAGEMENT AND LEADERSHIP

Journal reviewer: I have been a reviewer of several papers for some Journals (Since December 2016) as below:

06/2017- Reviewer of Iranian Journal of Applied Animal Science

Present

12/2016 – Editorial Panel of EC Nutrition Journal

Present

12/2016 – Reviewer of Open Veterinary Journal

Present

01/2018- Technical consulting for Animal Nutrition

Present Science and Technology Park of Kermanshah Province

PROFESSIONAL SKILLS

Computer skills:

Statistical software SAS

Diet optimization software: CNCPS and CNRS
Gas Chromatography data processing software: Peak-ABC
Microsoft office

Language:

Fluent in: Persian (Native) and English

Other:

Workshop "The Use of Biotechnology in Agriculture" Tabriz University, Iran. 2002
Workshop "An Introduction to Basic Methods in Biotechnology" Pasteur Institute, Iran. 2006
Certification to spend more than 600 hours of technical courses related to Animal Nutrition/Management/
Genetic/Health/reproduction from 2003 to 2017

Awards

- 02/ 2017 Selected as "top PhD student"**
Sixth festival of selection the best student, Isfahan University of Technology, Isfahan, Iran
- 12/ 2016 Selected as "top researcher"**
Annual Research and Technology Festival of Executive Organizations of Kermanshah Province,
Kermanshah, Iran
- 04/2009 Selected as best speaker**
Drought and Water Crisis Conference hosted by Azad University of Rasht and Agricultural
Research and Natural Resources Institute of Gilan Province, Gilan, Iran
- 01/2006 Selected as National Elite based on educational performance**
Iranian National Organization of Management and planning
- 07/2003 Graduated as best performing MSc student**
Tabriz University, Iran
- 07/2001 Graduated as one of top 5 students**
Razi University, Kermanshah, Iran

REFEREES

Professor GholamReza Ghorbani (PhD Supervisor)

Department of Animal Sciences, Faculty of Agriculture, Isfahan University of Technology, Isfahan, Iran

Phone: (+98) 31 33913506

Email: ghorbani@cc.iut.ac.ir

Associate professor Masoud Alikhani (PhD Supervisor)

Department of Animal Sciences, Faculty of Agriculture, Isfahan University of Technology, Isfahan, Iran

Phone: (+98) 31 33913503

Email: alikhani@cc.iut.ac.ir

Professor WenZhu Yang (PhD Advisor)

5403 - 1 Avenue South, PO Box 3000, Lethbridge, Alberta T1J 4B1, Canada

Phone: 403-317-3427

Email: wenzhu.yang@agr.gc.ca

Associate professor Jan Dijkstra (Supervisor at Wageningen University during visiting scholar)

Department of Animal Sciences, Animal Nutrition , PO Box 338, 6700AH WAGENINGEN, De Elst 1,
6708WD WAGENINGEN, The Netherlands

Phone: (+31) 317485219

Email: Jan.dijkstra@wur.nl

Assistant professor Elham Assadi Soumeh

School of Agriculture and Food Science, University of Queensland, Australia

Phone: (+31) 651583 397

Email: e.assadisoumeh@uq.edu.au