



University of Birjand
Faculty of Agriculture
Department of Animal Science

Curriculum Vitae (CV)

Last updated: April 2019

1- Personal Information:

- ❖ First name: Seyyed Homayoun
- ❖ Last name: Farhangfar
- ❖ Birth date: June 10, 1967
- ❖ Birth city: Yazd
- ❖ Nationality: Iranian
- ❖ Marital status: Married with three sons
- ❖ Academic standing:

Lecturer of Ferdowsi University of Mashhad, 1995-1998.

Assistant Professor at the University of Birjand, 1998-2008.

Associate Professor at the University of Birjand, 2008-2013.

Professor at the University of Birjand, since 2013.

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- ❖ Postal address for correspondence:

Animal Science Department, Agriculture Faculty, Birjand University, Birjand, Iran.

- ❖ E-Mail: hfarhangfar@birjand.ac.ir
- ❖ E-Mail: hfarhangfar2003@yahoo.co.uk

2- Educational Background:

- ❖ **Diploma** in Natural Sciences, Ebn-e Yamin High School, Mashhad, 1985.
- ❖ Associate of Science (**ASc**) degree in Animal Science, Ferdowsi University of Mashhad, 1987.
- ❖ Bachelor of Science (**BSc**) degree in Animal Science, Ferdowsi University of Mashhad, 1990.
- ❖ Master of Science (**MSc**) degree in Animal Science, Tarbiat Modarres University, Tehran, 1995.
- ❖ Doctor of Philosophy (**PhD**) degree in Genetics and Animal Breeding, University of Newcastle upon Tyne, United Kingdom, 2002.

3- Thesis and Dissertation:

- ❖ *Computing methods of adjustment factors for milk and fat yield traits in Iranian Holstein cows (MSc thesis), 1995.*
- ❖ *A phenotypic and genetic study of milk production traits in Iranian Holstein cows (PhD dissertation), 2002.*

4- Area of Specialisation:

- ❖ Genetics and animal breeding particularly genetic improvement of dairy cattle.

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5- Specific Scientific Interests:

- ❖ Statistics, Biometry, Population Genetics, Quantitative Genetics, Animal Models in Genetic Evaluation, Test-day Models, Random Regression Models, Lactation Curve Modeling, Biotechnology.

6- Teaching Experiences:

- ❖ Animal Husbandry presented at the University of Ferdowsi of Mashhad, 1995-1998.
- ❖ Agricultural Operations presented at the University of Mashhad, 1998.
- ❖ Animal Breeding (1 & 2) presented at the University of Birjand, since 2002.
- ❖ An Introduction to Computer presented at the University of Birjand, 2002-2005.
- ❖ Genetics presented at the University of Birjand, since 2002.
- ❖ Computer Programming presented at the University of Birjand, since 2004.
- ❖ Population Genetics (MSc course) presented at the University of Zabol, 2003.
- ❖ Advanced Animal Breeding (MSc course) presented at the University of Zabol, 2003.
- ❖ Animal Breeding presented at Azad University of Birjand, 2005.
- ❖ Advanced Statistical Methods presented at the University of Birjand, since 2005.
- ❖ Biometry presented at the University of Birjand, since 2006.
- ❖ Poultry genetics and breeding presented at the University of Birjand, since 2007.
- ❖ Molecular genetics in animal breeding presented at Agricultural Jihad Organisation of southern Khorasan province, 2007.
- ❖ Computer application in statistical analysis presented at the University of Birjand, since 2007.
- ❖ Applied animal breeding presented at the University of Birjand, since 2007.
- ❖ Applied animal breeding presented at Azad University of Birjand, 2007.
- ❖ Methods of Research presented at the University of Birjand, since 2006.

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7- Executive Responsibilities:

- ❖ Sub-organiser of Animal Science and Biotechnology group in annual seminar of Iranian students in the UK, 2000.
- ❖ Sub-organiser of Animal Science and Biotechnology group in annual seminar of Iranian students in the UK, 2001.
- ❖ Deputy of Animal Science Department in Faculty of Agriculture at the University of Birjand, 2002-2005.
- ❖ Director of talent and eligible students in Faculty of Agriculture at the University of Birjand, since 2003.
- ❖ Director of 'work making' in Faculty of Agriculture at the University of Birjand, since 2003.
- ❖ Member of elected committee in Faculty of Agriculture at the University of Birjand, since 2004.
- ❖ Director of computer centre in Faculty of Agriculture at the University of Birjand, 2004-2005.
- ❖ Scientific contribution to the 3rd scientific congress of Agriculture and Natural Resources Student, 21-22 December, 2004, Birjand University.
- ❖ Member of editorial board in Farhang and Ershad Eslami at Birjand, since 2004.
- ❖ Representative of biotechnology committee at the University of Birjand.
- ❖ Member of graduate students committee in Faculty of Agriculture at the University of Birjand, 2005-2006.
- ❖ Dean of Agriculture Faculty at the University of Birjand, 2005-2006.
- ❖ Co-assistant for publication committee in annual meeting of agricultural and natural resources faculties, since 2005.
- ❖ Dean of elected committee in Faculty of Agriculture at the University of Birjand, 2006.
- ❖ Dean of graduate students committee in Faculty of Agriculture at the University of Birjand, 2006.

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- ❖ Member of executive committee for “International Workshop on Forage and Crop Production Using Saline Waters in Dry Areas”. Agriculture Faculty, Birjand University, 2006.
- ❖ Deputy of Animal Science Department in Faculty of Agriculture at the University of Birjand, since 2007.
- ❖ Responsibility to establish research unit of dairy cattle in Agriculture Faculty of Birjand University (in progress).
- ❖ Responsibility to establish educational and research unit of sheep husbandry in Agriculture Faculty of Birjand University (in progress).
- ❖ Responsibility to establish postgraduate programme (MSc) of animal breeding in Agriculture Faculty of Birjand University.
- ❖ Responsibility to establish the Journal of Livestock and Poultry Research in Agriculture Faculty of Birjand University (in progress).
- ❖ Responsibility to establish postgraduate programme (PhD) of animal nutrition in Agriculture Faculty of Birjand University (in progress).
- ❖ Member of executive committee for “Workshop on Crude Fiber measurement and Digestibility”. Agriculture Faculty, Birjand University, 2008.
- ❖ Member of executive committee for “1st Congress on Nutrition and Metabolic Disorders”. Agriculture Faculty, Birjand University, 2009.
- ❖ Referee for MSc thesis of Animal Science Department, Agriculture Faculty, Birjand University.
- ❖ Referee for MSc thesis of Animal Science Department, Agriculture Faculty, Zabol University.

8-Membership:

- ❖ Formerly member of British Society of Animal Science (BSAS).
- ❖ Member of Iran Genetics Society (IGS, since 2003).
- ❖ Member of Agriculture and Natural Resources Engineering Organisation (since 2002).

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- ❖ Member of Society of Khorasan Animal Science Specialists (since 2003).
- ❖ Member of Holstein Association of Iran (since 2004).
- ❖ Member of World's Poultry Science Association (WPS, since 2005).
- ❖ Member of Agriculture and Natural Resources Engineering Organisation at Southern Khorasan province (since 2005).
- ❖ Member of Iranian Society of Animal Science (since 2007)

9-Departmental Seminars Presented:

- ❖ Parasitic diseases of sheep and control methods (presented during BSc study).
- ❖ Theory and application of selection index in animal breeding (presented during MSc study).
- ❖ Environmental factors affecting on milk production (presented during MSc study).
- ❖ Application of computer science in agriculture (presented during lectureship in Agriculture Faculty of Shirvan).
- ❖ A study of environmental factors affecting monthly test day milk production of Iranian Holstein cows (presented during PhD study).
- ❖ Estimation of lactation curve parameters of Iranian Holstein cows (presented during PhD study).
- ❖ Genetic evaluation of Iranian Holstein cows with the use of covariance function (presented during PhD study).
- ❖ Random regression in genetic evaluation of dairy cattle. (presented during lectureship in Agriculture Faculty of Birjand University).
- ❖ Phenotypic and genetic correlations among production and reproduction traits in Iranian Holsteins using a multivariate animal model. (presented during lectureship in Agriculture Faculty of Birjand University).

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10-Honors and Awards:

- ❖ Prize for the best presentation in annual seminar of Agriculture Department at the University of Newcastle upon Tyne, 2000.
- ❖ Prize for the best presentation in annual seminar of Agriculture Department at the University of Newcastle upon Tyne, 2001.
- ❖ Commendation letter from BSAS president for the poster presented in annual meeting at the York University of United Kingdom, 2002.
- ❖ Elected assistant professor of Agriculture Faculty at the University of Birjand, 2005.
- ❖ Elected researcher of Agriculture Faculty at the University of Birjand, 2005.
- ❖ Elected assistant professor of Animal Science Department at the University of Birjand, 2006 (based upon a decision made from the Scientific Societies of Students and Cultural Management of Birjand University).
- ❖ Elected academic member of staff in animal science department at the University of Birjand for the second semester, 2007 (based on a decision made from the evaluation office of Birjand University).
- ❖ Elected assistant professor of Agriculture Faculty at the University of Birjand, 2008.
- ❖ Elected researcher of Birjand University, 2008.
- ❖ Commendation letter from the general director of Culture and Eslamic Advices Department of southern Khorasan province, 2008.

11- Studentship Lectures in the United Kingdom:

- ❖ Genetic evaluation with the use of test day models, UMIST University, Manchester, 1999.
- ❖ Nonlinear models for estimating lactation parameters of dairy cows, UMIST University, Manchester, 2000.
- ❖ Genetic evaluation with the use of covariance function, UMIST University, Manchester, 2001.

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- ❖ Genetic study of lactation curve parameters, Birmingham University, 2002.

12- Workshop:

- ❖ Workshop on “Re-Learning in Research”. Birjand University, 2003 (With certification).
- ❖ Workshop on “Bioinformatics and Application of Computer in Molecular Biology”. Tehran University, 2003(With certification) .
- ❖ Workshop on “Introduction to Statistical Package for Social Sciences (SPSS)”. Birjand University, 2004 (With certification).
- ❖ Workshop on “Writing Scientific Texts”. Zabol University, 2005.
- ❖ Workshop on “Diseases and Health of Honey Bee”. Agriculture Faculty, Birjand University, 2005.
- ❖ Workshop on “An Introduction to Internet”. Birjand University, 2005.
- ❖ Workshop on “New Advances in Greenhouse Buildings and Equipments”. Birjand University, 2005.
- ❖ Workshop on “Crop and Forage Production Using Saline Waters in Dry Areas”. Birjand University, 2006.
- ❖ Workshop on “Global Positioning System”. Birjand University, 2007.
- ❖ Workshop on “Measurement Methods of Crude Fiber and Food Digestibility in Animal Nutrition Using Ancom System”. Birjand University, 2008.
- ❖ Workshop on “An Introduction to Intelligent Systems for Water Measurement”. Birjand University, 2009.
- ❖ Workshop on “An Introduction to Employment and Promotion regularities”. Birjand University, 2009.
- ❖ Workshop on “Principles and Methods of Translation”. Birjand University, 2010.
- ❖ Workshop on “Advanced SPSS”. Birjand University, 2010.
- ❖ Workshop on “Quantitative Determination of Microorganisms and Gene Expression Measurement Using Real time PCR Method”. Ferdowsi University of Mashhad, 2010.

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13- Attendance in Congresses or Occasional Meetings:

- ❖ Attendance in 1st Bioinformatics Congress in Iran. Tehran University, 2003.
- ❖ Attendance in a meeting on Biotechnology. National Centre of Genetic Engineering and Biotechnology, Tehran, 2005.
- ❖ Attendance in 36th annual meeting of Agricultural and Natural Resources Faculties, Isfahan Industrial University, Isfahan, 2005.
- ❖ Attendance in 37th annual meeting of Agricultural and Natural Resources Faculties, Shahr-e-Kord University, Shahr-e-Kord, 2006.
- ❖ Attendance in the Second Congress of Animal Science, Karaj, Iran, 2007.
- ❖ Attendance in the Third Congress of Animal Science, Ferdowsi University of Mashhad, Mashhad, 2008.
- ❖ Attendance in the First National Congress of Environmental Stresses in Agricultural Sciences, Birjand University, Birjand, 2010.

14- Research:

- ❖ Effect of calving age on milk production and computing equivalent factors for Iranian Holstein cows (1997).
- ❖ Genetic study of monthly milk production trait with the use of a random regression model (2004).
- ❖ Estimation of genetic parameters, genetic and phenotypic of growth traits for indigenous Cashmere goat in southern Khorasan province (2006).
- ❖ A study of phenotypic and genetic trends for milk production traits in Iranian Holsteins. (2007).
- ❖ Reproduction traits of indigenous Cashmere goat in southern Khorasan province. (2010).
- ❖ Developing dairy cattle management software. (2009).
- ❖ Genetic parameters estimation of milk and fat percentage for buffalo in Khuzestan. (2007).

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- ❖ A study of protein nutrition using milk urea nitrogen index in Holstein cows. (2008).
- ❖ Modelling of lactation curve in dairy cows using growth functions. (2007).
- ❖ Comparison of two methods of genetic evaluation of Khorasan province Holstein cow for protein. In progress.
- ❖ Determination of lead acetate toxicity on black fish of Qanat. (2008).
- ❖ Study of growth profile of Ross broiler in Birjand region using a nonlinear model. In progress.
- ❖ A study of some environmental factors affecting birth, weaning and half year weights in Arabi sheep breed of Khuzistan province of Iran. (2009).
- ❖ A study of factors affecting birth and weaning weights and pre-weaning daily gain of Holstein calves in a dairy herd. (2009).
- ❖ Effects of organic antioxidants oil plant sources and tallow on performance carcass characteristics and immune system of Arian broilers under heat stress conditions. In progress.
- ❖ Determination predictor factors for ranking of academic member of staff at the University of Birjand based on teaching evaluation performed by students during 2003-2008. In progress.

15- Computational Skills:

- ❖ General knowledge on:

Windows
Foxpro
Excel
Word
Power point
Axum

- ❖ Good knowledge on a number of statistical packages including:

SAS
SPSS
MINITAB
SPLUS
JMP

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STATISTICA *STATA*

- ❖ Knowledge on Animal Breeding software packages including:

LSMLMW (Harvey) - **Developed by W. Harvey**
DFREML – **Developed by K. Meyer**
DXMRR (random regression) – **Developed by K. Meyer**
MTDFREML – **Developed by D.L. Van Vleck et al.**
VCE – **Developed E. Groeneveld**
ASREML – **Developed by A.R. Gilmour et al.**
MTC – **Developed by I. Misztal**
DMU- **Developed by J. Jensen and P. Madsen**
MTJAAM- **Developed by N. Gengler**
BLUPF90- **Developed by I. Misztal**
REMLF90- **Developed by I. Misztal**
RRGIBBS- **Developed by K. Meyer**
WOMBAT- **Developed by K. Meyer**
PEDIGREE – **Developed by M. Sargolzaei**
PEDIGRAPH

16- External (or Internal) Examiner for MSc Theses:

- ❖ Asadollahi, S. (2004). Genetic evaluation of Iranian Holstein with the use of test day records. A thesis submitted for MSc degree in animal breeding, Zabol University.
- ❖ Kargar, N. (2004). Estimation of genetic parameters for growth and wool traits in Kermani sheep. A thesis submitted for MSc degree in genetics and animal breeding, Zabol University.
- ❖ Mohammady, M.J. (2004). Estimation of genetic parameters for type traits in Iranian Holsteins. A thesis submitted for MSc degree in genetics and animal breeding, Zabol University.
- ❖ Askari, M. (2004). Evaluation of quantity and quality characteristics of mohair fibers in Markhoz goats. A thesis submitted for MSc degree in genetics and animal breeding, Zabol University.
- ❖ Ahoee, M. (2005). A study of leptin polymorphism and its relationship with reproduction in Holsteins. A thesis submitted for MSc degree in genetics and animal breeding, Zabol University.

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- ❖ Amir Abadi, Z. (2007). Effects of using raw and ovened *Lathyrus* seeds on growth performance and blood parameters in broilers. A thesis submitted for MSc degree in poultry nutrition, Birjand University.
- ❖ Langari, H. (2007). Effect of fermented barley with *Lactobacillus* spp. And barley supplemented with enzyme on digestibility and performance of broilers. A thesis submitted for MSc degree in poultry nutrition, Birjand University.
- ❖ Ramazani, S. (2008). Effect of selenium and bicarbonate sodium supplement on performance and blood metabolites of broilers under heat stress. A thesis submitted for MSc degree in poultry nutrition, Birjand University.
- ❖ Bayat, E. (2010). Effect of different levels of raw and oven-heated grass pea seed (*Lathyrus sativus*) with or without enzyme on digestibility, growth performance, intestinal morphology and some blood metabolites of broiler chickens. A thesis submitted for MSc degree in poultry nutrition, Birjand University.
- ❖ Esmailinasab, P. (2010). Effect of using different levels of organic and inorganic selenium sources to enrich egg selenium in commercial layers. A thesis submitted for MSc degree in poultry nutrition, Birjand University.
- ❖ Modaresi, S.J. (2010). Effect of feeding pomegranate seed pulp on southern Khorasan goat's milk fatty acid composition and conjugated fatty isomers concentration. A thesis submitted for MSc degree in poultry nutrition, Birjand University.

17- Supervision (or Co-supervision) of MSc Theses:

- ❖ Naeemipour, H. A study of genetic trends for milk production traits of Holstein cows in Khorasan province (2005).
- ❖ Tahmasbi, I. Estimation of genetic trends for milk production traits of Holstein cows in Golestan and Mazandaran provinces (2005).
- ❖ Zinvand Mojarrad, B. Estimation of genetic parameters of growth traits in Lori Bakhtiari sheep (2005).
- ❖ Islami, J. Estimation of genetic parameters for monthly test day milk trait of Holsteins in Khorasan province (2005).

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- ❖ Vafadar, M.A. Estimation of genetic parameters for production traits in Zel sheep breed (2006).
- ❖ Molae, M. Estimation of genetic parameters for growth traits in Baluchi sheep breed (2005).
- ❖ Rahmaninia, J. A study of lactation curve in Iranian buffaloes using Wood's gamma function (2007).
- ❖ Molae, M.H. Estimation of genetic parameters for growth traits in Iran Black sheep breed (2007).
- ❖ Mehraban, H. Application of random regression model to predict breeding value and estimate genetic trend for milk yield in Holstein cattle in Astan Quds Razavi dairy farms of Mashhad (2006).
- ❖ Khalil Nejad, P. A study of social and economic factors affecting on application of under pressure irrigation systems in southern Khorasan province (2007).
- ❖ Molae, F. A study of factors affecting on acceptance of agricultural products insurance in southern Khorasan province (a case study of saffron) (2007).
- ❖ Abedini, A. Genetic study of somatic cell count in Iranian Holsteins (2008).
- ❖ Zeinali, A. A study of organic and mineral selenium on growth performance and blood parameters of broilers under heat stress (2007).
- ❖ Khani, M.M. The effect of dietary supplemented lactobacillus acidophilus and Lactobacillus casei or water on carcass, serum cholesterol and triglyceride and performance of broilers (2008).
- ❖ Hazegh, A. Evaluation of different levels of sodium bentonite in broiler feed contaminated with aflaxotin B1 (2008).
- ❖ Bazdidi, H. A study of association between cost and performance in broiler farms of southern Khorasan (2007).
- ❖ Mohammady, Z. Application of random regression model to analyse egg production of indigenous chicken of Fars province (2008).
- ❖ Allah Yarzadeh Ziarat, H. Estimation of genetic parameters of fat yield using a test day model for Holstein cows of Razavi, northern and southern Khorasan provinces (2008).

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- ❖ Zohoori, S. Relative efficiency of analogue hydroxy methionine compared to D.L. methionine on broilers performance (2009).
- ❖ Riahi, R. Logistic analysis of factors affecting pistachios insurance (2008).
- ❖ Ahangarani, M.A. Effect of starting age of alfalfa hay feeding on performance and weaning age of Holstein calves (2010).
- ❖ Nakhaei, A. Effect of using different levels of fenugreek seeds and garlic powder on hen performance, blood parameters and egg cholesterol (2010).
- ❖ NoorMohammady, R. Effect of citric acid and microbial phytase on ileal digestibility of protein and broiler performance. Thesis in progress.
- ❖ Masoomi Khalil Abad, S. Effect of different levels of cotton seed meal and lysine supplement on broiler performance. Thesis in progress.
- ❖ Ganji, F. Effect of different levels of wheat bran in fattening ration of Baluchi lambs. 2010.
- ❖ Emamverdi, O. Estimation of maternal environmental and genetic effects on some economically traits of Ghare Ghol sheep breed. Thesis in progress.
- ❖ Navidizadeh, M.H. Estimation of phenotypic and genetic parameters for production traits in indigenous chickens of Khorasan (2009).
- ❖ Shamshirgaran, Y. Comparison of random and fixed test day models for genetic analysis of milk yield of Holstein cattle in Khorasan Razavi province (2009).
- ❖ Tabatabaee, S.N. Effect of electron beam on degradability parameters and rumen digestibility of dry matter, NDF and ADF of some forage. Thesis in progress.
- ❖ Seyedolmosavi, S.M. Effect of water provider system and essence addition to starter on Holstein calf performance. Thesis in progress.
- ❖ Taghizadeh, A.R. Genetic analysis of somatic cell score in Iranian Holsteins. Thesis in progress.
- ❖ Valavi, A. Effect of using probiotic and prebiotic on egg yolk cholesterol, blood serum and egg quality traits (2009).
- ❖ Motaghinia, G. Phenotypic and genetic analysis of weaning weight for Baluchi sheep breed of Abbas Abad of Mashhad. Thesis in progress.

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- ❖ Arab, A. Genetic analysis of monthly test day milk records for Holsteins of Mashhad's dairy herds. Thesis in progress.
- ❖ Taheri, A. Effect of different levels of raw and heated Lathyrus spp. on performance and some blood metabolites of laying hens. Thesis in progress.
- ❖ Jafari Tarbaghan, M. Genetic evaluation of Iranian Holsteins for protein trait using fixed and random test day models. Thesis in progress.
- ❖ Abedini, A. Effect of using omega 3 fatty acid supplementation on immune response and egg quality (2010).
- ❖ Nasimi, M. Effects of fennel, thyme, menthe piperita and anethum graveolens extract on performance, chemical quality of egg and chemical characteristics of blood in commercial egg layers (2010).
- ❖ Fanoudi, F. A study of some factors affecting paying back management of a loan provided by agriculture bank (case study in southern Khorasan, Birjand) (2010).

18- Supervision of BSc Seminars:

- ❖ Nour Mohammady, R. Calculation of adjustment factors for lactation length in dairy cows. Agriculture Faculty of Birjand, 2004.
- ❖ Rezaei, F. Genetic evaluation of dairy cows using test day models. Agriculture Faculty of Birjand, 2005.
- ❖ Ramazani, S. and Yal, F. Factors affecting lactation curve in dairy cows. Agriculture Faculty of Birjand, 2005.
- ❖ Faghani Ghanbar Abadi, M. Breeding of local breeds of Iranian cattle. Agriculture Faculty of Birjand, 2005.
- ❖ Ghiasi, S. E. and Kariman, H. A study of correlation and regression analysis for some economic traits in Baluchi sheep breed of animal husbandry unit in agriculture faculty of Birjand. Agriculture Faculty of Birjand, 2005.
- ❖ Hosseini, S.J. and Izad Panah, H. A study of genetic parameters and genetic trend for milk yield of animal husbandry unit in agriculture faculty of Birjand. Agriculture Faculty of Birjand, 2005.

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- ❖ Totian, A.H. Interaction between genetics and reproduction. Agriculture Faculty of Birjand, 2005.
- ❖ Abbaspour Esfeden, P. Somatic cell count in dairy cows and its relationship with mastitis. Agriculture Faculty of Birjand, 2005.
- ❖ Ahani, S. and Kavooosi Nodar, H. Genetic resistance to mastitis in dairy cows. Agriculture Faculty of Birjand, 2005.
- ❖ Nokandi, A. Somatic cell count in cow's milk. Agriculture Faculty of Birjand, 2006.
- ❖ Elahe Pour, M. An introduction to morphologic-morphometric characteristics and parasitology of rodents in southern Khorasan. Agriculture Faculty of Birjand, 2006.
- ❖ Gholami, Z. Honey bee and its breeding. Agriculture Faculty of Birjand, 2006.
- ❖ Haji Shamsaei, M. Factors affecting milk and its components in dairy cattle. Agriculture Faculty of Birjand, 2006.
- ❖ Samadi, M. A. study of phenotypic characteristics and environmental factors influencing on monthly test day milk and fat percentage in a herd of Holstein during 2001-2004. Agriculture Faculty of Birjand, 2006.
- ❖ Haji Pour, A. Milk Urea Nitrogen (MUN). Agriculture Faculty of Birjand, 2006.
- ❖ Reza Zadeh Varaghchi, F. Biotechnology and its applications in environment, 2006.
- ❖ Haji Pour, Z. and Mohammady, Z. Artificial insemination, embryo transfer and their applications to animal breeding. Agriculture Faculty of Birjand, 2006.
- ❖ Karimi Haji Abadi, N., Esmaily Fourg, H. and Farsad, S.A. Estimation of lactation curve parameters of Holsteins in Khorasan province using Wood's incomplete gamma function. Agriculture Faculty of Birjand, 2006.
- ❖ Gharaee, M. Bee keeping. Agriculture Faculty of Birjand, 2006.
- ❖ Bayat, E. Buffalo breeding in Iran. Agriculture Faculty of Birjand, 2006.
- ❖ Bahry Feiz Abadi, M. Broiler breeding. Agriculture Faculty of Birjand, 2006.
- ❖ Hajiani, H. Determination of body condition score in dairy cattle. Agriculture Faculty of Birjand, 2006.

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- ❖ Moradian, S. Longevity in dairy cattle. Agriculture Faculty of Birjand, 2006.
- ❖ Emami, M. Selection index and its application in animal science. Agriculture Faculty of Birjand, 2006.
- ❖ Nokhostin Barabadi, A. Biotechnology and its application in animal breeding. Agriculture Faculty of Birjand, 2006.
- ❖ Hakkak, A. Factors affecting reproductive traits in dairy cattle. Agriculture Faculty of Birjand, 2006.
- ❖ Lotfi Noghabi, R. Study of phenotypic trend for milk and fat percentage test days records in Razavi Khorasan province. Agriculture Faculty of Birjand, 2006.
- ❖ Vosooghi, V. Ostrich breeding. Agriculture Faculty of Birjand, 2006.
- ❖ Mohammadian, R. and Birjandi, S. Management of ostrich breeding. Agriculture Faculty of Birjand, 2006.
- ❖ Shakeri Jozan, M. Horse riding. Agriculture Faculty of Birjand, 2007.
- ❖ Edalati Nasab, M. Sheep breeding for wool production. Agriculture Faculty of Birjand, 2007.
- ❖ Shakeri, M. Genetics and its application in animal breeding. Agriculture Faculty of Birjand, 2007.
- ❖ Beyki Feizabadi, S. Gene producing plastic. Agriculture Faculty of Birjand, 2007.
- ❖ Fakoori, Z. Inbreeding and its application in animal breeding. Agriculture Faculty of Birjand, 2007.
- ❖ Alizadeh, M. Goat breeding. Agriculture Faculty of Birjand, 2008.
- ❖ Gohari, S. Animal fiber and its importance. Agriculture Faculty of Birjand, 2008.
- ❖ Fayazi, H. Silk worm genetics and breeding. Agriculture Faculty of Birjand, 2008.
- ❖ Kazemi, A. Japanese Quail breeding. Agriculture Faculty of Birjand, 2008.
- ❖ Saeedi, F. Genetic and environmental factors affecting cow infertility. Agriculture Faculty of Birjand, 2008.
- ❖ Ayazi, M. Application of genetic markers in animal breeding. Agriculture Faculty of Birjand, 2008.

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- ❖ Daneshyar, F. chicken genome. Agriculture Faculty of Birjand. 2008.
- ❖ Azari, H. Genetic and environmental factors affecting twining of sheep. Agriculture Faculty of Birjand, 2008.
- ❖ Rahmani, G. Methods of selection in animal breeding. Agriculture Faculty of Birjand. 2008.
- ❖ Bahador, F. Biometrical characteristics of Atriplex species in Torbat Jam county. Agriculture Faculty of Birjand, 2008.
- ❖ Mohammady Bizhaem. Factors affecting reproductive performance of dairy cows. Agriculture Faculty of Birjand, 2009.
- ❖ Mahmoudzadeh, M. Application of nanotechnology in animal science and agriculture. Agriculture Faculty of Birjand, 2009.
- ❖ Hosseini, I. Rearing of camel. Agriculture Faculty of Birjand, 2009.
- ❖ Ali Taneh, S. Mating systems in farm animals. Agriculture Faculty of Birjand 2009.
- ❖ Garazhian, M. Effect of open days on milk production traits. Agriculture Faculty of Birjand, 2009.
- ❖ Izadjou, D. Animal husbandry in Iran. In progress.
- ❖ Samadi, A. Canary. Agriculture Faculty of Birjand, 2010.
- ❖ Safaei, M. Stress effect on farm animals' production. Agriculture Faculty of Birjand, 2010.
- ❖ Fazel, Y. Metabolic disorders and role of nutrition to prevent and treatment. Agriculture Faculty of Birjand, 2010.

19- Supervision of MSc seminars:

- ❖ Hazegh, A. Modified Mannan Oligo Saccharide (Micosorb). Agriculture Faculty of Birjand, 2006.
- ❖ Navidi Zadeh, M.E. History and characteristics of indigenous chicken of Iran. Agriculture Faculty of Birjand, 2008.

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20- Referee for Research and Congress Papers:

- ❖ Estimation of direct genetic and maternal effects for milk yields traits in Iranian Holsteins using animal models. Received from Journal of Agricultural Science and Technology (JAST), Tarbiat Modarres University, Tehran, 2004.
- ❖ Investigation and estimation of genetic parameters of milk production of Holstein cow in Khozestan province. Received form the Journal of Agriculture, Shahid Chamran University of Ahvaz, Ahvaz, 2005.
- ❖ Estimation of genetic parameters for milk, fat, fat percent and calving interval for Holstein dairy cattle in Isfahan province. Received from the Journal of Agricultural Sciences, Guilan University, Rasht, 2005.
- ❖ Variance component estimation using random regression model for milk and fat yields in Najdi cattle breed. Received form the Journal of Agriculture, Shahid Chamran University of Ahvaz, Ahvaz, 2006.
- ❖ Effects of heritability and data size on efficiency of three methods of approximating genetic evaluation accuracy. Received from the Journal of Agricultural Sciences, Guilan University, Rasht, 2006.
- ❖ Variance component estimation using random regression model for milk and fat yields in Khouzestan Holstein cow. Received from the Second Congress of Animal Science and Aquaculture, 2006.
- ❖ Study of interaction between milk and reproduction in Holstein dairy cows. Received from the Second Congress of Animal Science and Aquaculture, 2006.
- ❖ The effect of incorrect pedigree information on the estimates of heritability of first lactation milk production in Iranian Holsteins. Received from the Second Congress of Animal Science and Aquaculture, 2006.
- ❖ Prediction of phenotypic and genotypic trend of fat and milk production traits in Khouzestan buffalo. Received from the Second Congress of Animal Science and Aquaculture, 2006.
- ❖ Investigation and estimation of genetic parameters of milk production traits for Holstein cows in Khouzestan province. Received from the Second Congress of Animal Science and Aquaculture, 2006.

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- ❖ Estimation of genetic parameters for milk yield traits in Sari Holstein cattle. Received from the Journal of Agriculture, Shahid Chamran University of Ahvaz, Ahvaz, 2006.
- ❖ Investigation of phenotypic and genotypic trend of milk production and fat percentage and fat traits in Khouzestan buffalo. Received from the Journal of Agriculture, Shahid Chamran University of Ahvaz, Ahvaz, 2006.
- ❖ Relationship between udder type traits and milk and fat yield of Holsteins dairy cattle in Isfahan. Received from the Journal of Agriculture, Shahid Chamran University of Ahvaz, Ahvaz, 2006.
- ❖ Estimation of economic value of production and longevity traits in Holsteins. Received from the Iranian Journal of Agriculture Science, Tehran University, Karaj, 2007.
- ❖ Estimation of genetic and environmental trends for production traits in Khouzestan Holstein cattle. Received from the Journal of Agriculture, Shahid Chamran University of Ahvaz, Ahvaz, 2007.
- ❖ Genetic parameter estimates for milk and fat production of Khouzestan buffalo. Received from the Journal of Agriculture, Shahid Chamran University of Ahvaz, Ahvaz, 2007.
- ❖ Molecular study of calpastatin, calpain and beta-lactoglobulin loci in Kordi sheep. Received from the Iranian Journal of Animal Science Research, Ferdowsi University of Mashhad, Mashhad, 2007.
- ❖ Evaluation of performance of internal and external sperms on milk production of Holstein dairy cattle in Gilan, Mazandaran and Golestan provinces. Received from the Journal of Agriculture, Shahid Chamran University of Ahvaz, Ahvaz, 2007.
- ❖ Relationship between udder type traits and milk and fat yield of Holstein dairy cattle in Isfahan. Received from the Iranian Journal of Animal Science Research, Ferdowsi University of Mashhad, Mashhad, 2007.
- ❖ Efficiency of performance of Baluchi ewe for producing crosses lambs with Shall and Moghani bulks. Received from the Iranian Journal of Animal Science Research, Ferdowsi University of Mashhad, Mashhad, 2007.

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- ❖ Assessment of milk yield and longevity traits of Holstein cattle in Moghan. Received from the Journal of New Technologies in Agriculture, Zanzan University, 2007.
- ❖ Comparison of univariate and random regression models in estimation of variance components and genetic parameters of growth traits in Mehrabani sheep. Received from the Journal of Science and Technology of Agriculture and Natural Resources, Isfahan Industrial University, 2007.
- ❖ Analysis of genetic variation in Khorasan indigenous chicken breed using four microsatellite markers. Received from the Iranian Journal of Animal Science Research, Ferdowsi University of Mashhad, Mashhad, 2008.
- ❖ Economic values for production traits by bio-economic model in the Kurdi sheep breed of Khorasan – Iran. Received from the Iranian Journal of Animal Science Research, Ferdowsi University of Mashhad, Mashhad, 2008.
- ❖ Methods of genetic resources conservation of indigenous cattle. Received from the national research congress on Systani cattle, Zabol University, Zabol, 2008.
- ❖ Polymorphism of growth hormone in Systani cattle. Received from the national research congress on Systani cattle, Zabol University, Zabol, 2008.
- ❖ Study of genotype and environment interaction for production traits in Iranian Holstein dairy herds. Received from the Journal of Agriculture, Shahid Chamran University of Ahvaz, Ahvaz, 2008.
- ❖ Etiologic evaluation of sheep and goat absorption in south Khorasan province. Received from the research section of province government, Birjand, 2008.
- ❖ Effect of grazing barley forage on fattening characteristic of lambs. Received from the journal of agricultural and natural resources sciences of Gorgan University, 2008 (co-referee).
- ❖ Molecular characteristics of Calpastatin gene in Sanjabi sheep. Received from the Journal of Science and Technology of Agriculture and Natural Resources, Isfahan Industrial University, 2008.
- ❖ Determination of nutritional value for some range forages of Razavi Khorasan province using gas production and nylon bag techniques. Received from the Third Congress of Animal Science and Aquaculture, 2008.

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- ❖ Study of polymorphism for indigenous chickens of Sistan province using micro satellite markers. Received from the Third Congress of Animal Science and Aquaculture, 2008.
- ❖ Determination of genetic relationships among Sistan and Balouchestan indigenous chickens using SSR molecular markers. Received from the Third Congress of Animal Science and Aquaculture, 2008.
- ❖ Polymorphism of GDF9 in Sanjabi sheep breeds using PCR-SSCP technique. Received from the Third Congress of Animal Science and Aquaculture, 2008.
- ❖ Study of gene polymorphism (intron, region 4) related to growth hormone in indigenous chickens of Esfahan and Fars provinces. Received from the Third Congress of Animal Science and Aquaculture, 2008.
- ❖ Study of some software and algorithms used in animal genetic evaluation. Received from the Third Congress of Animal Science and Aquaculture, 2008.
- ❖ Determination of genetic interval for honey bee population of central Iran using RAPD marker. Received from the Third Congress of Animal Science and Aquaculture, 2008.
- ❖ Estimation of genetic parameters for monthly test day milk yield in dairy cattle. Received from the Third Congress of Animal Science and Aquaculture, 2008.
- ❖ A study of $FecX^B$ gene polymorphism in goat using PCR-RFLP technique. Received from the Third Congress of Animal Science and Aquaculture, 2008.
- ❖ Estimation of the lactation curve parameters by incomplete gamma function and genetic evaluation for these parameters and udder traits in Holstein population of Iran. Received from the Iranian Journal of Agriculture Science, Tehran University, Karaj, 2008.
- ❖ Performance evaluation of internal and external sperms for milk and fat production of Holstein dairy cattle in Guilan, Mazandaran and Golestan province. Received from the Journal of Agriculture Sciences and Natural Resources, Gorgan University of Agriculture Sciences and Natural Resources, 2008.
- ❖ Evaluation of performance of internal and external sperm on milk and fat production of Holstein dairy cattle in Western provinces of Iran. Received from the Journal of Animal Science and Food Technology, 2008.

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- ❖ Comparison of hyperbolastic and classic models in fitting growth curve of male Ross broilers. Received from the Iranian Journal of Agriculture Science, Tehran University, Karaj, 2009.
- ❖ Effects of some environmental factors affecting birth weight of Systani cattle. Received from the Agriculture Journal of Aboureyhan Paradise of Tehran University, 2009.
- ❖ The possibility of using crossbreeding to increase weaning weight of kids in desert region. Received from the First Congress on Environmental Stress in Agricultural Sciences, Birjand University, 2009.
- ❖ Estimation of environmental effects and heritability of milk and fat using test day and 305-d models in a number of Holstein herds. Received from the First Congress on Environmental Stress in Agricultural Sciences, Birjand University, 2009.
- ❖ Estimation of genetic parameters for some reproductive traits and their relationship with milk and fat yields in Iranian Holsteins. Received from the Iranian Journal of Agriculture Science, Tehran University, Karaj, 2009.
- ❖ Applicability of non-linear models for description of somatic cell score of Holstein's milk over different lactations. Received from the Iranian Journal of Animal Science, Tehran University, Karaj, 2010.
- ❖ Statistical evaluation of some factors affecting crude protein balance in lactating dairy cows. Received from Journal of Agricultural Science and Technology (JAST), Tarbiat Modarres University, Tehran, 2010.
- ❖ Estimation of genetic parameters for test day milk yield of dairy cows. Received from the Iranian Journal of Animal Science, Tehran University, Karaj, 2010.

21- Books:

- ❖ Reproduction Technologies in Animals. Birjand University (2008).
- ❖ Dairy Cattle Nutrition (In progress for publication).
- ❖ Statistical Experiment Design and Interpretation (Translated and accepted for publication by the University of Birjand).

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- ❖ Scientific and Practical Principles of Honey Bee Rearing (In progress to be evaluated by the University of Birjand)

22- Referee for Book Evaluation:

- ❖ Biostatistics for Animal Science (to be translated). Received from Ferdowsi University of Mashhad (2008).

23- Publications:

- 1) **Farhangfar, H.** (1997). Application of specialized packages in animal breeding. *Scientific Magazine of Damdar, No. 87:20.*
- 2) **Farhangfar, H.** (1997). Genetic and environmental factors influencing on milk production of dairy cows. *Scientific Magazine of Damdar, No. 90, p. 12.*
- 3) **Farhangfar, H.** and Kashan, N.E. (1997). Computing methods of adjustment factors for milk and fat yield traits in Iranian Holstein cows. *Journal of Pajouhesh and Sazandeghi, No. 35, p. 112.*
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- 5) **Farhangfar, H.** (1999). An introduction to poultry genetics and breeding. *Scientific Magazine of Damdar, No. 109, 110, p. 16.*
- 6) **Farhangfar, H.,** Rowlinson, P. and Willis, M.B. (2000). Estimation of lactation curve parameters for Iranian Holstein dairy cows using nonlinear models. *In Proceedings of British Society of Animal Science (BSAS) Annual Conference, Scarborough, United Kingdom, p. 109.*
- 7) **Farhangfar, H.,** Rowlinson, P. and Willis, M.B. (2001). Genetic correlations between 305-day and monthly test day milk yield records in primiparous Iranian Holsteins. *In Proceedings of British Society of Animal Science (BSAS) Annual Conference, York University, United Kingdom, p. 219*
- 8) **Farhangfar, H.,** Rowlinson, P. and Willis, M.B. (2002). Genetic evaluation of Iranian Holstein dairy cows with the use of covariance function model. *In*

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- 9) **Farhangfar, H.**, Rowlinson, P. and Willis, M.B. (2003). Multivariate REML estimates of genetic parameters of monthly test day milk production traits in first parity Iranian Holstein cows with the use of a repeatability test day model. *In Proceedings of British Society of Animal Science (BSAS) Annual Conference, York University, United Kingdom, p. 139.*
 - 10) **Farhangfar, H.** and Rezaie, H. (2003) Genetic and phenotypic correlations between three times milking monthly test day milk yields in Iranian Holstein heifers. *In Book of Abstracts of the 54th Annual Meeting of the European Association for Animal Production (EAAP), Rome, Italy, p. 84. (Abstract)*
 - 11) Zinvand Mojarrad, B., **Farhangfar, H.**, Morravej, H. Naeemipour, H. and Mirzaei, I. (2004). Estimation of genetic parameters for weight trait in Lori-Bakhtiari sheep breed of Iran using univariate models. *In Proceedings of 3rd Scientific Congress of Agriculture and Natural Resources Student, 21-22 December, 2004, Birjand University, p. 65. (Abstract)*
 - 12) Izad Panah, H., **Farhangfar, H.**, Hosseini, S.M. and Hosseini Vashan, S.J. (2004). Estimation of phenotypic trend for average daily milk yield in dairy herd of Birjand agriculture faculty. *In Proceedings of 3rd Scientific Congress of Agriculture and Natural Resources Student, 21-22 December, 2004, Birjand University, p. 66. (Abstract)*
 - 13) Naeemipour, H., **Farhangfar, H.**, Moravvej, H., Sayyad Nejad, M.B. and Rokoei, M. (2004). Estimation of heritability for milk and fat yields and fat percentage in Holsteins of Khorasan province using univariate animal model. *In Proceedings of 3rd Scientific Congress of Agriculture and Natural Resources Student, 21-22 December, 2004, Birjand University, p. 67. (Abstract)*
 - 14) Ghiasi, S.E., Kariman, H., **Farhangfar, H.**, Hosseini Vashan, S.J. and Naeemipour, H. (2004). Estimation of correlations among some type traits in a flock of Baluchi sheep breed of Birjand. *In Proceedings of 3rd Scientific Congress of Agriculture and Natural Resources Student, 21-22 December, 2004, Birjand University, p. 68. (Abstract)*

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- 15) Naeemipour, H. and **Farhangfar, H.** (2004). Study of some environmental factors affecting on body weight at different ages of local Kashmir goat in Southern Khorasan province. *In Proceedings of 3rd Scientific Congress of Agriculture and Natural Resources Student, 21-22 December, 2004, Birjand University, p. 70. (Abstract)*
- 16) Naeemipour, H. and **Farhangfar, H.** (2004). Study of non-genetic factors affecting on lactation milk traits of Holsteins in Khorasan province. *In Proceedings of 3rd Scientific Congress of Agriculture and Natural Resources Student, 21-22 December, 2004, Birjand University, p. 75. (Abstract)*
- 17) Hosseini, S.J., **Farhangfar, H.**, Kariman, H. and Ghiasi, S.H. (2004). Estimation of regression coefficient and correlation between hearth girth and body weight in a flock of Baluchi sheep breed. *In Proceedings of 3rd Scientific Congress of Agriculture and Natural Resources Student, 21-22 December, 2004, Birjand University, p. 81. (Abstract)*
- 18) Naeemipour, H. and **Farhangfar, H.** (2004). Estimation of partial correlation coefficients among milk production traits in Iranian Holsteins. *In Proceedings of 3rd Scientific Congress of Agriculture and Natural Resources Student, 21-22 December, 2004, Birjand University, p. 82. (Abstract)*
- 19) Nourmohammadi, R. and **Farhangfar, H.** (2004). A review on calculating of 305-day adjustment factors for milk and fat yields in Holstein cows. *In Proceedings of 3rd Scientific Congress of Agriculture and Natural Resources Student, 21-22 December, 2004, Birjand University, p. 83. (Abstract)*
- 20) Hosseini Vashan, S.J., **Farhangfar, H.**, Izad Panah, H. and Naeemipour, H. (2004). Study of genetic parameters for milk trait in a herd of Holsteins of Birjand agriculture faculty. *In Proceedings of 3rd Scientific Congress of Agriculture and Natural Resources Student, 21-22 December, 2004, Birjand University, p. 85. (Abstract)*
- 21) Nourmohammadi, R. and **Farhangfar, H.** (2004). Animal models used in genetic evaluation of cattle. *In Proceedings of 3rd Scientific Congress of Agriculture and Natural Resources Student, 21-22 December, 2004, Birjand University, p. 88. (Abstract)*

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- 22) Nokandi, A., Haj Shamsaei, M. and **Farhangfar, H.** (2004). Factors affecting on milk and its components in dairy cows. *In Proceedings of 3rd Scientific Congress of Agriculture and Natural Resources Student, 21-22 December, 2004, Birjand University, p. 91. (Abstract)*
- 23) Gholami, Z., Faghani, M., **Farhangfar, H.** and Naeemipour, H. (2004). Indigenous cattle of Iran and their breeding. *In Proceedings of 3rd Scientific Congress of Agriculture and Natural Resources Student, 21-22 December, 2004, Birjand University, p. 94. (Abstract)*
- 24) Gholami, J., Hosseini, S.M., Naeemipour, H. and **Farhangfar, H.** (2004). Linseed meal and dry alfalfa in fattening calves diet and their affects on carcass. *In Proceedings of 3rd Scientific Congress of Agriculture and Natural Resources Student, 21-22 December, 2004, Birjand University, p. 100. (Abstract)*
- 25) Totian A.H. and **Farhangfar, H.** (2004). Interaction between reproduction and genetics. *In Proceedings of 3rd Scientific Congress of Agriculture and Natural Resources Student, 21-22 December, 2004, Birjand University, p. 101. (Abstract)*
- 26) Nourmohammadi, R. and **Farhangfar, H.** (2004). Use of embryo transfer (ET) in beef cattle. *In Proceedings of 3rd Scientific Congress of Agriculture and Natural Resources Student, 21-22 December, 2004, Birjand University, p. 102. (Abstract)*
- 27) Ahani, S., **Farhangfar, H.**, Kavossi, H. and Naeemipour, H. (2004). Genetic resistance to mastitis in dairy cattle. *In Proceedings of 3rd Scientific Congress of Agriculture and Natural Resources Student, 21-22 December, 2004, Birjand University, p. 103. (Abstract)*
- 28) Ramazani, S., **Farhangfar, H.** and Yal, F. (2004). Factors affecting on lactation curve in Holsteins. *In Proceedings of 3rd Scientific Congress of Agriculture and Natural Resources Student, 21-22 December, 2004, Birjand University, p. 105. (Abstract)*
- 29) Islami, J., **Farhangfar, H.**, Moravvej, H. and Naeemipour, H. (2004). Estimation of heritability and repeatability for monthly milk yield of Holsteins in Khorasan province. *In Proceedings of 3rd Scientific Congress of Agriculture and Natural Resources Student, 21-22 December, 2004, Birjand University, p. 106. (Abstract)*

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- 30) Naeemipour, H., **Farhangfar, H.**, Tahmasbi, I., Jorjani, I., Sayyad Nejad, M.B. and Rokoei, M. (2004). Estimation of heritability and repeatability for milk traits of Holsteins in Golestan and Mazandaran provinces. *In Proceedings of 3rd Scientific Congress of Agriculture and Natural Resources Student, 21-22 December, 2004, Birjand University, p. 107. (Abstract)*
- 31) Ghorbani, M., Naeemipour, H., **Farhangfar, H.** and Dashab, G. (2004). Prediction of breeding value using animal model. *In Proceedings of 3rd Scientific Congress of Agriculture and Natural Resources Student, 21-22 December, 2004, Birjand University, p. 108. (Abstract)*
- 32) Rezaei, F., **Farhangfar, H.** and Naeemipour, H. (2004). Test day models in Holsteins. *In Proceedings of 3rd Scientific Congress of Agriculture and Natural Resources Student, 21-22 December, 2004, Birjand University, p. 110. (Abstract)*
- 33) Hajipour, Z., **Farhangfar, H.**, Mohammadi, Z. and Naeemipour, H. (2004). Genetic aspects of adaptation for tropical cattle. *In Proceedings of 3rd Scientific Congress of Agriculture and Natural Resources Student, 21-22 December, 2004, Birjand University, p. 113. (Abstract)*
- 34) **Farhangfar, H.**, Rowlinson, P., Willis, M.B. and Esmaily, H.O. (2004). Bayesian and REML estimates of heritability of three-times milking complete lactation milk yield in Iranian Holstein heifers. *In Proceedings of British Society of Animal Science (BSAS) Annual Conference, York University, United Kingdom, p. 217.*
- 35) Rezaee, H., Shadparvar, A.A., **Farhangfar, H.** and Rowlinson, P. (2004). Estimation of phenotypic and genetic correlations between production traits and herd life in Iranian Holstein heifers. *In Proceedings of British Society of Animal Science (BSAS) Annual Conference, York University, United Kingdom, p. 219.*
- 36) **Farhangfar, H.**, Naeemipour, H. and Hosseini Vashan, S.J. (2004). Your herd reproductive status. *Scientific Magazine of Animal Breeding, No. 5, p. 1.*
- 37) **Farhangfar, H.** and Naeemipour, H. (2004). Heritability. *Scientific Magazine of Animal Breeding, No. 6, p. 13.*
- 38) **Farhangfar, H.** and Rezaee, H. (2004). Estimation of genetic parameters for monthly test day milk yields in Iranian Holsteins with the use of covariance

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- 39) Naeemipour, H., **Farhangfar, H.**, Moravej, H. and Sayyad Nejad, M.B. (2004). Estimation of phenotypic and genetic trends for lactation milk trait in Holsteins of Khorasan province of Iran. *In Proceedings of the First Congress on Animal and Aquatic Sciences (FCAAS), Tehran University, p. 792.*
- 40) Tahmasbi, I., **Farhangfar, H.**, Jorjani, I. and Naeemipour, H. (2004). Estimation of genetic parameters for milk yield and fat percentage of Holsteins in Golestan and Mazandaran provinces of Iran using univariate and multivariate animal models. *In Proceedings of the First Congress on Animal and Aquatic Sciences (FCAAS), Tehran University, p. 770.*
- 41) **Farhangfar, H.** (2004). A genetic study of the lactation curve parameters in Iranian Holstein primiparous. *In Book of Abstracts of the 55th Annual Meeting of the European Association for Animal Production (EAAP), Bled, Slovenia, p. 81. (Abstract)*
- 42) Naeemipour, H., **Farhangfar, H.** and Asghari, M.R. (2004). Evaluation of nutritional value of fibrous feeds. *Scientific Magazine of Cattle Breeder, No. 87, p. 10.*
- 43) Naeemipour, H. and **Farhangfar, H.** (2005). Determination of animal weight. *Scientific Magazine of Animal Breeding, No. 8, p. 35.*
- 44) **Farhangfar, H.**, Naeemipour, H. and Rowlinson, P. (2005). Genetic analysis of lactation milk yield and age at first calving for Holstein heifers in Khorasan province of Iran. *In Proceedings of British Society of Animal Science (BSAS) annual conference, York University, United Kingdom, p. 127.*
- 45) **Farhangfar, H.** and Naeemipour, H. (2005). Optimum calving interval in dairy cows. *Monthly Magazine of Agronomy and Animal Farms, No. 5, p. 9.*
- 46) **Farhangfar, H.** and Naeemipour, H. (2005). Genetic and environmental relationships between milk yields at different parts of lactation in Iranian Holsteins. *In Book of Abstracts of the 56th Annual Meeting of the European Association for Animal Production (EAAP), Uppsala, Sweden, p. 200. (Abstract)*

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- 47) Naeemipour, H. and **Farhangfar, H.** (2005). Animal breeding terminology. *Scientific Magazine of Animal Breeding, No. 9, p. 8.*
- 48) Naeemipour, H. and **Farhangfar, H.** (2005). A study of the effect of dairy farm workers as an environmental factor affecting milk yield in a dairy herd at Birjand agriculture faculty. *Monthly Magazine of Agronomy and Animal Farms, No. 6, p. 11.*
- 49) **Farhangfar, H.** and Rezaee, H. (2005). Application of random regression in genetic evaluation of Iranian Holsteins. *In Proceedings of the 5th Seminar on Probability and Stochastic Processes, University of Birjand, Iran, p. 250.*
- 50) Rezaee, F. and **Farhangfar, H.** (2005). Study of some environmental factors affecting 305 milk yields, open days and dry days in Iranian Holsteins. *In Proceedings of 6th Congress of Iranian Veterinary Students, 9-11 September, 2005, Ferdowsi University, Mashhad. p. 7. (Abstract)*
- 51) Naeemipour, H. and **Farhangfar, H.** (2005). Lactation curve. *Scientific Magazine of Cattle Breeder, No. 95, p. 13.*
- 52) Naeemipour, H., **Farhangfar, H.** and Tahmasbi, I. (2005). Factors affecting milk production of Holsteins in Mazandaran province. *In Proceedings of the First North Regional Milk Festival, Sari, November 2005, p. 252. (Abstract)*
- 53) **Farhangfar, H.** and Rezaee, H. (2005). Increasing genetic potential of milk production in Iranian Holsteins using test day model. *In Proceedings of the First North Regional Milk Festival, Sari, November 2005, p. 21.*
- 54) Karimi Haji Abadi, N., Esmaily Foorg, H., **Farhangfar, H.**, Naeemipour, H. and Farsad, S.A. (2005). Estimation of lactation curve parameters of Holsteins in Khorasan province using Wood's incomplete gamma function. *In Proceedings of the 4th Scientific Conference on Agriculture, Ferdowsi University of Mashhad, November 2005, p. 119. (Abstract)*
- 55) Naeemipour, H. and **Farhangfar, H.** (2005). Heat and humidity stress on reproduction performance of dairy cattle. *Monthly Magazine of Agronomy and Animal Farms, No. 8, p. 9.*
- 56) Naeemipour, H. and **Farhangfar, H.** (2005). Conception rate of dairy cows are affected by the number of thawed semen pivots. *Monthly Magazine of Agronomy and Animal Farms, No. 8, p. 10.*

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- 57) **Farhangfar, H.**, Asghari, M.R. and Naeemipour, H. (2006). Estimation of genetic trends for milk production traits in Iranian Holsteins. *In Book of Abstracts of the 57th Annual Meeting of the European Association for Animal Production (EAAP), Antalya, Turkey, p. 32. (Abstract)*
- 58) Naeemipour, H., Ramazani, S. and **Farhangfar, H.** (2006). Factors affecting milk and its components. *Scientific Magazine of Animal Breeding, No. 12, p. 17.*
- 59) **Farhangfar, H.**, Rowlinson, P. and Esmaily, H.O. (2006). Application of random regression approach in multivariate genetic analysis of lactation milk yield at different first calving ages for Holstein heifers in Khorasan province of Iran. *In Proceedings of British Society of Animal Science (BSAS) annual conference, York University, United Kingdom, p. 82.*
- 60) **Farhangfar, H.**, Rowlinson, P., Asghari, M.R. and Naeemipour, H. (2006). EM-REML estimation of phenotypic and genetic relationships between 305d-2X-ME milk production traits in Iranian Holstein heifers. *In Proceedings of British Society of Animal Science (BSAS) annual conference, York University, United Kingdom, p. 84.*
- 61) Rezaee, H., **Farhangfar, H.** and Rowlinson, P. (2006). Comparison of heritability estimates for herd life in register and non-register Iranian Holstein heifers. *In Proceedings of British Society of Animal Science (BSAS) annual conference, York University, United Kingdom, p. 83.*
- 62) **Farhangfar, H.**, Molaei, M. and Naeemipour, H. (2006). Application of logistic regression model to estimate phenotypic trend for twinning trait of Baluchi sheep in Abbasabad breeding station of Mashhad. *In Proceedings of 9th Iranian Genetic Congress, Tehran, p. 519. (Abstract)*
- 63) Jorjani, E., **Farhangfar, H.**, Molaei, M. and Rokoei, M. (2006). Estimation of genetic parameters for growth traits in Baluchi sheep breed. *In Proceedings of 9th Iranian Genetic Congress, Tehran, p. 405. (Abstract)*
- 64) Eslami, J., **Farhangfar, H.** and Naeemipour, H. (2006). Estimation of genetic parameters of test day milk yields for Holsteins in Khorasan province of Iran. *Journal of Animal Science Vol. 84, Supplement 1/ Journal of Dairy Science Vol. 89, Supplement 1, p. 138. (Abstract)*

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- 66) Naeemipour, H., **Farhangfar, H.**, Moravej, H. and Rokoei, M. (2006). Estimation of phenotypic and genetic trends for milk and fat yield traits in Khorasan province Holsteins of Iran by using a univariate model. *Journal of Animal Science Vol. 84, Supplement 1/ Journal of Dairy Science Vol. 89, Supplement 1, p. 18. (Abstract)*
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- 69) **Farhangfar, H.**, Naeemipour, H. and Asghari, M.R. (2006). Estimation of genetic trends for milk production traits in Iranian Holsteins. *Journal of Animal Science Vol. 84, Supplement 1/ Journal of Dairy Science Vol. 89, Supplement 1, p. 19. (Abstract)*
- 70) Naeemipour, H., **Farhangfar, H.** and Asghari, M.R. (2006). Genetic parameters estimation of birth weight for Cashmere goat in southern Khorasan province of Iran. *Journal of Animal Science Vol. 84, Supplement 1/ Journal of Dairy Science Vol. 89, Supplement 1, p. 167. (Abstract)*
- 71) Mollae, M., **Farhangfar, H.** and Naeemipour, H. (2006). Genetic analysis of weight records at different ages in Baluchi sheep breed of Iran. *Journal of Animal Science Vol. 84, Supplement 1/ Journal of Dairy Science Vol. 89, Supplement 1, p. 167. (Abstract)*
- 72) Zinvand, B. and **Farhangfar, H.** (2006). Estimation of genetic parameters for weight at different ages in Lori-Bakhtiari sheep breed of Iran. *Journal of Animal Science Vol. 84, Supplement 1/ Journal of Dairy Science Vol. 89, Supplement 1, p. 167. (Abstract)*

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