



PERSONAL INFORMATION:

Full Name: Saeed Hassani

Nationality: Iranian

Academic Level: Professor

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Current Affiliation:

Department of Animal and Poultry Breeding & Genetics, Faculty of Animal Science, Gorgan University of Agricultural Sciences and Natural Resources, Gorgan, Iran.

EDUCATION:

VISITIN SCIENTIST

Iowa State University, Ames, Iowa, USA
Genomic Selection in Beef Cattle (2013)

Ph.D. (Animal Breeding and Genetics)

University of Agricultural Sciences, Bangalore, India (2000)

Thesis: Genetic Analysis of Productive and Reproductive Traits in Friesian × Sahiwal Crossbred Dairy Cattle (Prof. M.G. Govindaiah)

M.Sc. (Animal Breeding and Genetics)

Islamic Azad University Karaj Branch, Karaj, Iran (1993)

Thesis: Estimation of Genetic and Phenotypic Parameters and Study of the Effects of Some Genetic and Environmental Factors on Fleece Characteristics of Lori-Bakhtiari Sheep (Prof. M.A.Edriss)

B.Sc. (Animal Science)

Ferdowsi University of Mashhad, Mashhad, Iran (1990)

RESEARCH INTERESTS:

Quantitative Genetics, Genomic selection in beef and dairy cattle, Estimation of genetic parameters for economic traits in different purebred and crossbred animals, Association between molecular markers and economic traits in different classes of animals, Statistical consultation to all researchers in agricultural sciences particularly those involved in animal nutrition and animal physiology.

SKILLS:

- Strong knowledge of statistical analysis, theory and methodology, interpretation and evaluation
- Long time experience in working with statistical software such as SAS and SPSS and R
- Demonstrated skill in working with data from all agriculture fields particularly animal science
- Long time experience in working with Microsoft office program (Excel, Word, Access, etc.)
- Experience in working with variance component estimation's software (WOMBAT)
- Experience in working with GenSel software for genomic predictions
- Experience in working with Linux programming

PUBLICATIONS:

Books (Translation from English into Persian)

- 1) Schaeffer, L.R. **1993**. Variance Component Estimation Methods. University of Guelph, Guelph, Ontario, Canada. (Translated by: **S.Hassani**, and R. Halabian)
- 2) McCullough, M.E. **1993**. Feeding Dairy Cows. Hoards Dairyman (Translated by A.Aslaminejad, and **S.Hassani**).
- 3) Van Horn, H.H. and Wilcox, C.J. **1992**. Large Dairy Herd Management. University Press of Florida (Translated by :A.Naserian, N.Farzaneh, **S.Hassani**, and M.Bashteni)
- 4) Bearden, H.J. and Fuquay, J.W. **1984**. Applied Animal Reproduction. 2nd edn. Reston Publishing Company, Reston, VA. (Translated by :M.Hashemi, and **S.Hassani**)

Refereed National and International Journal Articles

- Rayeji Yanesari, F., **Hassani, S.**, & Najafi, M. (2023). Identification of different allelic forms of myostatin gene and investigation of body weight and carcass biometric traits measured by ultrasound in Kurdi sheep. *Journal of Ruminant Research*, 11(1), 37–54.
- Saedi, A., **Hassani, S.**, Shadkam, F., Pishkar, J., & Karimi Birgani, H. (2022). An Investigation on the Effects of Environmental Factors on Biometric Traits in the Head and Neck of Thoroughbred Horses in Golestan Province. *Research on Animal Production (Scientific and Research)*, 12(34), 148–155.
- Mirzaee Italy, M., **Hassani, S.**, Ahani Azari, M., Abdollahpour, R., & Naghavian, S. (2019). An investigation on population structure and inbreeding of Sangsari sheep. *Iranian Journal of Applied Animal Science*, 9(4), 659–667.

- Mohammadi, A., **Hassani, S.**, Zerehdaran, S., Bagheri, M., & Mirshahi, A. (2018). Genetic Evaluation of some carcass characteristics assessed by in vivo real time ultrasonography in Baluchi sheep. *Iranian Journal of Applied Animal Science*, 8(3):457–468.
- Kazemi Borzol Abad, F., **Hassani, S.**, Samadi, F., Ahani Azari, M., & Saghi, D. A. (2018). Genetic analysis of milk yield by fixed and random regression models in Shirvan Kurdi sheep. *Journal of Animal Science Research*, 28(2), 127–141.
- Kheirkhah, Z., **Hassani, S.**, Zerehdaran, S., Ahani Azari, M., Sekhavati, M. H., & Salehi Nasab, M. (2018). Comparison of different models for estimation of heritability of egg quality traits in Khorasan Razavi native fowl. *Iranian Journal of Animal Science Research*, 9 (4):461-470.
- Mirzaie Ilaly, M. M., **Hassani, S.**, Ahani Azari, M., Abdullahpour, R., and Naghavian, S. (2017). Estimation of inbreeding and its effects on growth traits in Sangsari sheeps. *Iranian Journal of Animal Science Research*, 9 (1). 135-145.
- Kheirkhah, Z., **Hassani, S.**, Zerehdaran, S., Ahani, A. M., Sekhavati, M. H., & Salehinasab, M., (2017). Polymorphism of the SCNN1 g gene and its association with eggshell quality. *Poultry Science Journal*, 5(1), 51–55.
- Kheirkhah, Z., **Hassani, S.**, Zerehdaran, S., Azari, M. A., Sekhavati, M. H., & Salehinasab, M. (2017). Genetic analyses of egg quality in Khorasan Razavi native fowl using the Bayesian method. *Poultry Science Journal*, 5(2), 113–121.
- Kazemi Borzol Abad, F., **Hassani, S.**, Samadi, F., Ahani Azari, M., & Saghi, D. A. (2016). Genetic analysis of milk solid no-fat percentage by fixed and random regression models in Kurdi sheep of Shirvan. *Iranian Journal of Animal Science Research*, 8(1), 162–173.
- Kazemi Borzol Abad, F., **Hassani, S.**, Samadi, F., Ahani, Azari. M., & Saghi, D.A. (2016). Study on second intron of prolactin gene polymorphism and its association with milk yield in Kurdi sheep of Shirvan. *Journal of Ruminant Research*, 3 (4): 21-36.
- Naghavian, S., **Hassani, S.**, Ahani Azari, M., Khan Ahmadi, A. R., and Saghi D. A. (2016). Estimation of Genetic and Phenotypic Trends for Some Growth Traits in Shirvan Kordi Sheep. *Research on Animal Production*, 6 (12):145-151.
- Hassani, S.**, Saatchi, M., Fernando, R. L., and Garrick, D.J. (2015). Accuracy of prediction of simulated polygenic phenotypes and underlying quantitative trait loci genotypes using real or imputed whole-genome markers in cattle. *Genetics Selection Evolution*, 47:99.
- Elyasi Gorji, Zahra, Amiri Yekta, A., **Hassani, S.**, & Sanati, M. H. (2015). *Pichia pastoris* yeast: an appropriate experimental tool for recombinant proteins production. *Cellular and Molecular Research (Iranian Journal of Biology)*, 28(2), 154–177.
- Elyasi Gorji, Z., Amiri-Yekta, A., Gourabi, H., **Hassani, S.**, Fatemi, N., Zerehdaran, S., Vakhshiteh, F., & Sanati, M. H. (2015). Cloning and expression of Iranian Turkmen-thoroughbred horse follicle stimulating hormone in *Pichia pastoris*. *Iranian Journal of Biotechnology*, 13(2), 10.
- Akbarnejad, S., Zerehdaran, S., **Hassani, S.**, Samadi, F., & Lotfi, E. (2015). Genetic evaluation of carcass traits in Japanese quail using ultrasonic and morphological measurements. *British Poultry Science*, 56(3), 293–298.
- Shahdadi, A. R., **Hassani, S.**, Saghi, D. A., Ahani Azari. M., Eghbal, A. R., & Rahimi, A. (2014). Estimation of genetic parameters of first lactation production and reproduction traits in Iranian Holstein dairy cows. *Journal of Ruminant Research*, 1(4): 109-126.

- Marefat, H., **Hassani, S.**, Zerehdaran, S., & Ayatollahi Mehjardi, A. (2014). Estimation of genetic parameters of body weights and carcass traits in English White quail. *Journal of Animal Science Research*, 24(1), 83–91.
- Naghavian, S., **Hassani, S.**, Ahani Azari, M., Khanahmadi, A., Saghi, D. A., & Mamizadeh, N. (2014). Genetic diversity in Shirvan Kordi sheep using microsatellite markers and compared to estimation of inbreeding coefficient using pedigree. *Journal of Animal Science Research*, 24(1), 93–105.
- Salehinasab, M., Zerehdaran, S., Abbasi, M. A., Alijani, S., & **Hassani, S.** (2014). Genetic properties of productive traits in Iranian native fowl: genetic relationship between performance and egg quality traits. *Journal of Agricultural Science and Technology*, 16(5), 1055–1062.
- Salehinasab, M., Zerehdaran, S., Abbasi, M. A., Alijani, S., & **Hassani, S.** (2013). Determination of the best model for estimating heritability of economic traits and their genetic and phenotypic trends in Iranian native fowl. *Archives Animal Breeding*, 56(1), 237–245.
- Khaleghi, M. H., Zerehdaran, S., **Hassani, S.**, Farhangfar, H., & Eghbal, A. R. (2013). Genetic analysis of milk production trait using test day model with fixed and random regressions in Holstein dairy cows of Yazd province. *Journal of Ruminant Research*, 1(1): 13-30.
- Abdollahy, H., **Hassani, S.**, Zerehdaran, S., **Shadparvar, A. A.**, and **Mahmoudi, B.** (2012). Determination of economic values for some important traits in Moghani sheep. *Small Ruminant Research*. 105: 161-169.
- Hassani, S.**, Ardalan Far, M., Zerehdaran, S., & Sayadnejad, M. B. (2012). Determination of optimum Holstein inheritance in crossbred dairy cattle based on combined productive and reproductive traits. *Animal Production Research*, 1(1), 1–7.
- [Heidari, M](#) , [Ahani Azari, M](#) , [Hassani, S](#) , [Khanahmadi, A](#) , [Zerehdaran, S.](#) (2012). Effects of polymorphic variants of GH, Pit-1 and beta-LG genes on milk productions. *Russian Journal of Genetics*, 48 (4):417-421.
- Elyasi Gorji, Z., Gourabi, H., Amiri, Y. A., **Hassani, S.**, Zerehdaran, S., Fatemi, N., et.al. (2012). Utilization of Pichia Pastoris Secretion System for Expression of Equine Follicle Stimulating Hormone. *International Journal of Fertility & Sterility*, 6.
- Dehnavi, E., Ahani Azari, M., **Hassani, S.**, Nassiry, M. R., Mohajer, M., Khan Ahmadi, A., Shahmohammadi, L., & Yousefi, S. (2012). Polymorphism of myostatin gene in intron 1 and 2 and exon 3, and their associations with yearling weight, using PCR-RFLP and PCR-SSCP techniques in Zel sheep. *Biotechnology Research International*, 1-5.
- Dehnavi, E., Ahani Azari, M., **Hassani, S.**, Nassiry, M. R., Mohajer, M., & Khan Ahmadi, A. R. (2012). Genetic variability of calpastatin and calpain genes in Iranian Zel sheep using PCR-RFLP and PCR-SSCP methods. *Iranian Journal of Biotechnology*, 10 (2): 136-139.
- Nafez, M., Zerehdaran, S., **Hassani, S.**, & Samiei, R. (2012). Genetic evaluation of productive and reproductive traits of Holstein dairy cows in the North of Iran. *Iranian Journal of Animal Science Research*, 4(1).
- Hassani, S.**, Emamverdi, O., Zerehdaran, S., Ahani Azari, M., & Farhangfar, H. (2011). An estimation of the genetic, phenotypic and environmental trends for as related to growth traits, and pelt score in Karakul sheep. *Iranian Journal of Animal Science*, 41(4), 343–349.
- Emamgholi Begli, H., Zerehdaran, S., **Hassani, S.**, Ali Abbasi, M., & Khan Ahmadi, A. (2010). Polymorphism in prolactin and PEPCK-C genes and its association with economic traits in native fowl of Yazd province. *Iranian Journal of Biotechnology*, 8(3), 172–177.

- Emamgholi Begli, H. E., Zerehdaran, S., **Hassani, S.**, Abbasi, M. A., & Ahmadi, A. R. K. (2010). Heritability, genetic and phenotypic correlations of egg quality traits in Iranian native fowl. *British Poultry Science*, 51(6), 740–744.
- Emamgholi Begli, H. E., Zerehdaran, S., **Hassani, S.**, Ahmadi, A. R. K., & Abbasi, M. A. (2010). Estimation of genetic and phenotypic correlations for performance and egg quality traits in native fowls of Yazd province. *Agricultural Sciences and Neutral Resources*, 20(1).
- Emamgholi Begli, H., Zerehdaran, S., **Hassani, S.**, & Abbasi, M. (2010). Estimation of genetic parameters of economically important traits in native fowl, Yazd Province. *Iranian Journal of Animal Science*, 40(4).
- Farhangfar, H., Rowlinson, P., **Hassani, S.**, & Nasri, M. H. F. (2010). Logistic regression analysis of some environmental factors affecting days open in Iranian primiparous Holstein cows. *Advances in Animal Biosciences*, 1(1), 276–276.
- Hassani, S.**, Deltang Sefidsanghi, H., Rashidi, A., and Ahani Azari, M., (2009). Eestimation of the genetic, phenotypic and environmental trends for growth traits in Baluchi sheep. *Journal of Agricultural Sciences and Natural Resources*, 16 (1): 126-132.
- Heidari, M., Ahani Azari, M., **Hassani, S.**, Khan, Ahmadi. A. R., & Zerehdaran, S. (2009). Association of genetic variants of β -lactoglobulin gene with milk production in a herd and a superior family of Holstein cattle. *Iranian Journal of Biotechnology*, 7(4): 254-257.
- Zerehdaran, S., **Hassani, S.**, Gharebash, A. M., Khanahmadi, A., & Farivar, F. (2009). A Breeding Program for Balanced Improvement of. *Pakistan Journal of Biological Sciences*, 12(1), 79–82.
- Hassani, S.** (2000). Genetic Analysis of Productive and Reproductive Traits in Friesian Sahiwal Crossbred Dairy Cattle. *University of Agricultural Sciences, GKVK*.

ACADEMIC TEACHING EXPERIENCES:

B.Sc. COURSES

Probability and Statistics, Genetics, Principal of Animal Breeding, Applied Animal Breeding, Experimental Design, English for the Animal Science

M.Sc. COURSES

Linear Models in Animal Breeding, Quantitative Genetics, Population Genetics, Advanced Animal Breeding, Advanced Biostatistics, Animal Breeding Softwares, Research Methodology

Ph.D. COURSES

Advanced Experimental Design in Animal Science, Nutrigenomics

SERVICE AND PEROFESSIOnAL MEMBERSHIP:

Iranian Society of Animal Science

Iranian Genetics Society

AWARDS:

Best Teacher Award

LANGUAGES:

Persian, English



Gorgan University of Agricultural
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