



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 (۲۰۱۳)

Ph.D. (Animal Breeding and Genetics)

University of Agricultural Sciences, Bangalore, India (۲۰۰۰)

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 (۱۹۹۳)

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 (۱۹۹۰)

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)

- ۱) Schaeffer, L.R. ۱۹۹۳. Variance Component Estimation Methods. University of Guelph, Guelph, Ontario, Canada. (Translated by: **S.Hassani**, and R. Halabian)
- ۲) McCullough, M.E. ۱۹۹۳. Feeding Dairy Cows. Hoards Dairyman (Translated by A.Aslaminejad, and **S.Hassani**).
- ۳) Van Horn, H.H. and Wilcox, C.J. ۱۹۹۲. Large Dairy Herd Management. University Press of Florida (Translated by :A.Naserian, N.Farzaneh, **S.Hassani**, and M.Bashteni)
- ۴) Bearden, H.J. and Fuquay, J.W. ۱۹۸۴. Applied Animal Reproduction. ۲nd 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. (۲۰۲۳). 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*, ۱۱(۱), ۳۷-۵۴.
- Ghahreman, Y., Hosseini, S.A., **Hassani, S.**, Derakhshanpour, F., Hassani, M.J., Hosseini, P. (۲۰۲۳). An Investigation on Cognitive and Behavioral Effects of Donepezil on Autistic Children in Winter ۲۰۲۰ in Gorgan's Taleghani Pediatric Hospital . *Iran J. Child Neurol.*, ۱۷ (۳): ۵۵-۶۷.
- Saedi, A., **Hassani, S.**, Shadkam, F., Pishkar, J., & Karimi Birgani, H. (۲۰۲۲). 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)*, ۱۲(۳۴), ۱۴۸-۱۵۵.
- Abbasi, A., Hashemi, R., **Hassani, S.**, & Ebrahimi, M. (۲۰۲۱). Growth response and humoral immunity of broiler chickens fed organic acids and zeolite coated with silver nanoparticles under heat stress conditions. *Research on Animal Production (Scientific and Research)*, ۱۲(۳۳), ۱۱۳-۱۲۳.
- Askari, I., Shams Shargh, M., Samadi, F., & **Hassani, S.** (۲۰۲۱). Effect of different levels of organic biotronic and nano-crystall silymarin supplement with and without LPS on liver chemical function, histology, cellular immunity and blood parameters in ۲۱-۲۴day-old broilers. *Journal of Animal Environment*, ۱۳(۲), ۱۵۹-۱۶۸.
- Bolandi, N., Hashemi, S. R., Davoodi, D., Dastar, B., **Hassani, S.**, & Ashayerizadeh, A. (۲۰۲۱). Performance, intestinal microbial population, immune and physiological responses of broiler chickens to diet with different levels of silver nanoparticles coated on zeolite. *Italian Journal of Animal Science*, ۲۰(۱), ۴۹۷-۵۰۴.
- Darvishi, Y., Shargh, M. S., & **Hassani, S.** (۲۰۲۰). Effect of organic or inorganic zinc and manganese sources on performance and egg quality traits of laying hens. *Journal of Advanced Pharmacy Education and Research*, ۱۰, ۲۳.
- Tavakoli, R., Hashemi, S. R., Davoodi, D., Jafari, Y., & **Hassani, S.** (۲۰۲۰). Histopathologic investigation of liver and kidney tissues in broiler chickens fed silver nanoparticles coated on zeolite. *Journal of Animal Science Research*, ۳۰(۲), ۱۵-۲۳.
- Mirzaee Ilaly, M., **Hassani, S.**, Ahani Azari, M., Abdollahpour, R., & Naghavian, S. (۲۰۱۹). An investigation on population structure and inbreeding of Sangsari sheep. *Iranian Journal of Applied Animal Science*, ۹(۴), ۶۵۹-۶۶۷.
- Mirheidari, A., Torbatinejad, N. M., **Hassani, S.**, & Shakeri, P. (۲۰۱۹). Effects of pistachio by-product biochar on in vitro ruminal fermentation and performance of lactating ewes. *Animal Production*, ۲۰(۴), ۵۵۳-۵۶۴.
- Yousefdoost, S., Samadi, F., Jafari, S. M., Ramezanpour, S. S., Ganji, F., & **Hassani, S.** (۲۰۱۹). Evaluation of nano and microcapsules of silymarin in simulated gastrointestinal conditions for animal target delivery. *Iranian Journal of Applied Animal Science*, ۹(۲), ۲۴۷-۲۵۵.
- Yousefdoost, S., Samadi, F., Jafari, S. M., Ramezanpour, S. S., **Hassani, S.**, & Ganji, F. (۲۰۱۹). Application of nanoencapsulated silymarin to improve its antioxidant and hepatoprotective activities against carbon tetrachloride-induced oxidative stress in broiler chickens. *Livestock Science*, ۲۲۸, ۱۷۷-۱۸۶.
- Yaghobi Taskooh, H., Shams Shargh, M., Ghoorchi, T., & **Hassani, S.** (۲۰۱۹). Effect of organic and mineral zinc and butyric acid on performance and egg shell quality traits in different breeding periods. *Animal Production Research*, ۸(۲), ۳۵-۵۱.
- Mohammadi, A., **Hassani, S.**, Zerehdaran, S., Bagheri, M., & Mirshahi, A. (۲۰۱۸). Genetic Evaluation of some carcass characteristics assessed by in vivo real time ultrasonography in Baluchi sheep. *Iranian Journal of Applied Animal Science*, ۸(۳): ۴۵۷-۴۶۸.
- Kazemi Borzol Abad, F., **Hassani, S.**, Samadi, F., Ahani Azari, M., & Saghi, D. A. (۲۰۱۸). Genetic analysis of milk yield by fixed and random regression models in Shirvan Kurdi sheep. *Journal of Animal Science Research*, ۲۸(۲), ۱۲۷-۱۴۱.
- Kheirkhah, Z., **Hassani, S.**, Zerehdaran, S., Ahani Azari, M., Sekhavati, M. H., & Salehi Nasab, M. (۲۰۱۸). Comparison of different models for estimation of heritability of egg quality traits in Khorasan Razavi native fowl. *Iranian Journal of Animal Science Research*, ۹(۴): ۴۶۱-۴۷۰.

- Mirheidari, A., Torbatinejad, N. M., **Hassani, S.**, & Shakeri, P. (۲۰۱۸). Effect of different levels of walnut shell and chicken manure biochar on ruminal fermentation parameters and methane production. *Journal of Ruminant Research*, ۶(۱): ۱-۱۶.
- Valizadeh Ghale Beigh, A., Ghoorchi, T., & **Hassani, S.** (۲۰۱۸). Effects of using wheat processed by different methods on the performance, chemical composition and blood digestibility in fattening lambs. *Journal of Ruminant Research*, ۵(۴), ۱-۲۰.
- Abbasi, A., Hashemi, S. R., **Hassani, S.**, & Ebrahimi, M. (۲۰۱۸). Gastrointestinal microbial population response and performance of broiler chickens fed with organic acids and silver nanoparticles coated on zeolite under heat stress condition. *Iranian Journal of Applied Animal Science*, ۸(۴), ۶۸۵-۶۹۱.
- Sharifi Hosseini, M. M., Torbatinejad, N., Teimouri Yansari, A., **Hassani, S.**, Ghoorchi, T., & Tahmasbi, R. (۲۰۱۸). The effects of corn silage particles size and fat supplement on feed intake, digestibility, ruminal function, chewing activity, and performance in mid-lactating Holstein dairy cows. *Journal of Livestock Science and Technologies*, ۶(۲), ۲۱-۳۲.
- Mirzaie Ilaly, M. M., **Hassani, S.**, Ahani Azari, M., Abdullahpour, R., and Naghavian, S. (۲۰۱۷). Estimation of inbreeding and its effects on growth traits in Sangsari sheeps. *Iranian Journal of Animal Science Research*, ۹ (۱). ۱۳۵-۱۴۵.
- Davari Varanlou, Z., **Hassani, S.**, Ahani Azari, M., Samadi, F., Zakizadeh, S., & Khan Ahmadi, A. R. (۲۰۱۷). Association between MTNR1A and CYP19 genes polymorphisms and economic traits in Kurdi sheep. *Iranian Journal of Applied Animal Science*, ۷(۱), ۶۹-۷۴.
- Kheirkhah, Z., **Hassani, S.**, Zerehdaran, S., Ahani, A. M., Sekhavati, M. H., & Salehinasab, M., (۲۰۱۷). Polymorphism of the SCNN1 g gene and its association with eggshell quality. *Poultry Science Journal*, ۵(۱), ۵۱-۵۵.
- Kheirkhah, Z., **Hassani, S.**, Zerehdaran, S., Azari, M. A., Sekhavati, M. H., & Salehinasab, M. (۲۰۱۷). Genetic analyses of egg quality in Khorasan Razavi native fowl using the Bayesian method. *Poultry Science Journal*, ۵(۲), ۱۱۳-۱۲۱.
- Kazempour, F., Shargh, M. S., Jahanian, R., & **Hassani, S.** (۲۰۱۷). Effect of dietary β -glucan supplementation on growth performance, carcass characteristics and gut morphology in broiler chicks fed diets containing different threonine levels. *Animal Feed Science and Technology*, ۲۳۴, ۱۸۶-۱۹۴.
- Smaeili, M., Hashemi, S. R., Davoodi, D., Ahangari, Y. J., **Hassani, S.**, & Shabani, A. (۲۰۱۷). Effect of supplementing diet with zeolite coated with silver nanoparticles on performance, intestinal morphology characteristics and ileum microbial population of broiler chickens. *Iranian Journal of Animal Science*, ۴۷(۴), ۵۷۹-۵۸۸.
- Smaeili, M., Hashemi, S. R., Davoodi, D., Jafari Ahangari, Y., **Hassani, S.**, & Shabani, A. (۲۰۱۷). Response of duodenum histomorphometric characteristics, pH and microbial population of alimentary canal in the broiler chickens fed silver nanoparticles coated on zeolite. *Journal of Livestock Research*, ۵(۴), ۴۹-۵۹.
- Bolandi, N., Hashemi, S. R., Davoodi, D., Dastar, B., **Hassani, S.**, & Ashayerizadeh, A. (۲۰۱۷). Effect of coating zeolite with nanosilver on performance and efficiency of energy and protein efficiency in broiler chickens. *Iranian Journal of Animal Science*, ۴۸(۱), ۶۹-۷۵.
- Yarmohammadi Barbarestani, S., Samadi, F., **Hassani, S.**, & Asadi, G. (۲۰۱۷). Effects of encapsulated nano-and microparticles of peppermint (*Mentha piperita*) alcoholic extract on the growth performance, blood parameters and immune function of broilers under heat stress condition. *Iranian Journal of Applied Animal Science*, ۷(۴), ۶۶۹-۶۷۷.

- Kazemi Borzol Abad, F., **Hassani, S.**, Samadi, F., Ahani Azari, M., & Saghi, D. A. (۲۰۱۶). 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*, ۸(۱), ۱۶۲-۱۷۳.
- Kazemi Borzol Abad, F., **Hassani, S.**, Samadi, F., Ahani, Azari. M., & Saghi, D.A. (۲۰۱۶). Study on second intron of prolactin gene polymorphism and its association with milk yield in Kurdi sheep of Shirvan. *Journal of Ruminant Research*, ۳ (۴): ۲۱-۳۶.
- Naghavian, S., **Hassani, S.**, Ahani Azari, M., Khan Ahmadi, A. R., and Saghi D. A. (۲۰۱۶). Estimation of Genetic and Phenotypic Trends for Some Growth Traits in Shirvan Kordi Sheep. *Research on Animal Production*, ۶ (۱۲): ۱۴۵-۱۵۱.
- Esmaili, M., Hashemi, S. R., Ahangari, Y. J., **Hassani, S.**, & Shabani, A. (۲۰۱۶). Effect of different levels of silver nanoparticles coated with zeolite on performance, function of superoxide dismutase and glutathione peroxidase, carcass characteristics and internal organs weight of broiler chickens. *Animal Production Research*, ۵(۴).
- Safaei Katouli, M., Rezaei, R., Boldaji, F., Dastar, B., Taran, M., & **Hassani, S.** (۲۰۱۶). The effects of kaolin, bentonite and zeolite dietary supplementation on broiler chickens meat quality during storage. *Veterinary Science Development*, ۶(۱).
- Shabani, A., Dastar, B., **Hassani, S.**, Khomeiri, M., & Shabanpour, B. (۲۰۱۶). Decreasing the effects of aflatoxins on color and oxidative stability of broiler meats using nanozeolite. *Journal of Agricultural Science and Technology*, ۱۸(۱), ۱۰۹-۱۲۱.
- Shabani, A., Dastar, B., Khomeiri, M., **Hassani, S.**, & Shabanpour, B. (۲۰۱۶). Decreasing the effects of Aflatoxins on color and oxidative stability of broiler meats using nanozeolite. *J. Agr. Sci. Tech.* ۱۸: ۱۰۹-۱۲۱.
- Smaeili, M., Hashemi, S. R., Davoodi, D., Jafari Ahangari, Y., **Hassani, S.**, Bolandi, N., & Shabani, A. (۲۰۱۶). The effect of silver nanoparticles coated on clinoptilolite on performance, liver enzymes and blood lipid concentrations of broiler chickens. *Animal Production*, ۱۸(۱), ۱۶۱-۱۷۱.
- Hassani, S.**, Saatchi, M., Fernando, R. L., and Garrick, D.J. (۲۰۱۵). 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*, ۴۷:۹۹.
- Elyasi Gorji, Zahra, Amiri Yekta, A., **Hassani, S.**, & Sanati, M. H. (۲۰۱۵). Pichia pastoris yeast: an appropriate experimental tool for recombinant proteins production. *Cellular and Molecular Research (Iranian Journal of Biology)*, ۲۸(۲), ۱۵۴-۱۷۷.
- Elyasi Gorji, Z., Amiri-Yekta, A., Gourabi, H., **Hassani, S.**, Fatemi, N., Zerehdaran, S., Vakhshiteh, F., & Sanati, M. H. (۲۰۱۵). Cloning and expression of Iranian Turkmen- thoroughbred horse follicle stimulating hormone in Pichia pastoris. *Iranian Journal of Biotechnology*, ۱۳(۲), ۱۰.
- Akbarnejad, S., Zerehdaran, S., **Hassani, S.**, Samadi, F., & Lotfi, E. (۲۰۱۵). Genetic evaluation of carcass traits in Japanese quail using ultrasonic and morphological measurements. *British Poultry Science*, ۵۶(۳), ۲۹۳-۲۹۸.
- Parizadian Kavan, B., Shams Shargh, M., **Hassani, S.**, & Mostafalo, Y. (۲۰۱۵). Study the effect of physical size of clinoptilolite on liver histology, carcass traits and blood enzymes activity of broilers fed rations contaminated with aflatoxin. *Veterinary Researches & Biological Products*, ۲۸(۳), ۳۵-۴۴.
- Tajodini, M., Samadi, F., Hashemi, S. R., **Hassani, S.**, & Ghasemnejad, A. (۲۰۱۵). Effects of different levels of artichoke (Cynara scolymus L.) powder and vitamin E on performance

- and immune system response of broiler chickens. *Iranian Journal of Medicinal and Aromatic Plants Research*, ۳۱(۱), ۹۲-۱۰۱.
- Shahdadi, A. R., **Hassani, S.**, Saghi, D. A., Ahani Azari, M., Eghbal, A. R., & Rahimi, A. (۲۰۱۴). Estimation of genetic parameters of first lactation production and reproduction traits in Iranian Holstein dairy cows. *Journal of Ruminant Research*, ۱(۴): ۱۰۹-۱۲۶.
- Marefat, H., **Hassani, S.**, Zerehdaran, S., & Ayatollahi Mehjardi, A. (۲۰۱۴). Estimation of genetic parameters of body weights and carcass traits in English White quail. *Journal of Animal Science Research*, ۲۴(۱), ۸۳-۹۱.
- Naghavian, S., **Hassani, S.**, Ahani Azari, M., Khanahmadi, A., Saghi, D. A., & Mamizadeh, N. (۲۰۱۴). Genetic diversity in Shirvan Kordi sheep using microsatellite markers and compared to estimation of inbreeding coefficient using pedigree. *Journal of Animal Science Research*, ۲۴(۱), ۹۳-۱۰۵.
- Salehinasab, M., Zerehdaran, S., Abbasi, M. A., Alijani, S., & **Hassani, S.** (۲۰۱۴). Genetic properties of productive traits in Iranian native fowl: genetic relationship between performance and egg quality traits. *Journal of Agricultural Science and Technology*, ۱۶(۵), ۱۰۵۵-۱۰۶۲.
- Parizadian Kavan, B., Shams Shargh, M., **Hassani, S.**, & Mostafalo, Y. (۲۰۱۴). Effects of physical sizes of clinoptilolite on protein efficiency ratio, intestinal morphology and growth indices of broilers. *Iranian Journal of Applied Animal Science*, ۴(۱), ۱۶۵-۱۷۲.
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- Dastar, B., Moghaddam, A. S., Shams Shargh, M., & **Hassani, S.** (۲۰۱۴). Effect of different levels of germinated barley on live performance and carcass traits in broiler chickens. *Poultry Science Journal*, ۲(۱), ۶۱-۶۹.
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- Safaei Katouli, M., Boldaji, F., Dastar, B., **Hassani, S.**, Mutalib, M. S. A., & Rezaei, R. (۲۰۱۴). Effects of inclusion kaolin, bentonite and zeolite in dietary on chemical composition of broiler chickens meat. *Asian Journal of Animal and Veterinary Advances*, ۹(۱), ۵۶-۶۳.
- Safaei Katouli, M., Boldaji, F., Dastar, B., **Hassani, S.**, & Taran, M. (۲۰۱۴). Economic analysis using silicate minerals in broiler chickens diets. *Animal Biology & Animal Husbandry*, ۶(۲), ۲۱۶-۲۲۳.
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- Khaleghi, M. H., Zerehdaran, S., **Hassani, S.**, Farhangfar, H., & Eghbal, A. R. (۲۰۱۳). 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*, ۱(۱): ۱۳-۳۰.
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- Parizadian Kavan, B., Shams Shargh, M., **Hassani, S.**, & Mostafalo, Y. (۲۰۱۳). Comparison of the effects of clinoptilolite and sodium zeolite on tibia bone mineralization and calcium and phosphorus utilization in broiler chicks. *International Research Journal of Applied and Basic Sciences*, ۴(۱۱), ۳۳۸۹–۳۳۹۵.
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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 PROFESSIONAL MEMBERSHIP:

Iranian Society of Animal Science

Iranian Genetics Society

AWARDS:

Best Teacher Award

LANGUAGES:

Persian, English



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