CURRICULUM VITAE (CV)- Navid Ghavi Hossein-Zadeh

PERSONAL DETAILS

Name: Navid Ghavi Hossein-Zadeh

Date of Birth: 21/09/1980

Place of Birth: Rasht, Iran

Academic Rank: Professor

Work Address: Department of Animal Science, Faculty of Agricultural Sciences, University of Guilan, Rasht, 41635-1314, Iran

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Google Scholar page address:

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Qualifications

BSc in Animal Science, University of Guilan, Rasht, Iran, 1999-2003

MSc in Animal Breeding and Genetics (quantitative genetics), University of Tehran, Karaj, Iran, 2003-2005

Ph.D. in Animal Breeding and Genetics (quantitative genetics), University of Tehran, Karaj, Iran, 2005-2009

Grant Awards

1. First place among all BSc graduates of Animal Science at the University of Guilan, 2003
2. First place among all MSc graduates of Animal Breeding and Genetics at the University of Tehran, 2005
3. The first place in the entrance exam of MS course in the national level (Iran)
4. The first place in the entrance exam of Ph.D. in the University of Tehran
5. The official member of National Elite Foundation of Iran
6. Awarded as Ph.D. dissertation in the 18th festival of research in the University of Tehran (2009)
7. Awarded as Top Researcher in the University of Guilan
8. Awarded as Top Researcher in the Guilan Province, Iran (2013, 2015, 2019, 2024)
9. Awarded the best academic staff in Iran in 2023
10. Awarded as Top Researcher of Iran in 2024
11. Awarded as the top 2% of global scientists in their major field from 2020 to 2025
12. Awarded as the top 0.5% of scientists worldwide by ScholarGPS in 2023-2024

Research interests

1. Genetic and genomic evaluations in farm animals
2. Improvement of farm animals using conventional and advanced methods/models
3. Animal breeding strategies
4. Modeling the farm animal systems

Editorial board of international journals

1. Editor-in-Chief of Animal Production Research
2. Associate Editor of Journal of Animal Science and Technology
3. Editorial Board Member of Journal of Dairy Research
4. Associate Editor of Frontiers in Genetics
5. Associate Editor of Frontiers in Veterinary Science
6. Guest Editor of Genes journal

Peer-reviewer for the Web of Science Journals

300 reviews of 266 manuscripts for the following journals since January 2007 to October 2025 (please see attached file):

- ✓ Tropical Animal Health and Production
- ✓ Journal of Dairy Research
- ✓ Small Ruminant Research
- ✓ Livestock Science
- ✓ Plos One
- ✓ Journal of Agricultural Science and Technology
- ✓ Revista Brasileira de Zootecnia
- ✓ Veterinary and Animal Science
- ✓ Animal
- ✓ Journal of Animal Breeding and Genetics
- ✓ Journal of Thermal Biology
- ✓ Ciência Rural
- ✓ Journal of Agricultural Science
- ✓ Genes
- ✓ Heliyon
- ✓ Translational Animal Science
- ✓ ksu Journal of Agriculture and Nature
- ✓ Iranian Journal of Applied Animal Science
- ✓ Frontiers in Veterinary Science
- ✓ Frontiers in Genetics
- ✓ Poultry Science Journal
- ✓ Animals
- ✓ Archives Animal Breeding
- ✓ Theriogenology
- ✓ Cells
- ✓ Reproduction in Domestic Animals
- ✓ East African Agricultural and Forestry Journal
- ✓ Journal of Applied Animal Research
- ✓ Italian Journal of Animal Science

- ✓ Acta Agriculturae Scandinavica - Section A: Animal Science
- ✓ Veterinary Medicine and Science
- ✓ Acta Agriculturae Slovenica
- ✓ Journal of Dairy Science
- ✓ All Life
- ✓ Journal of Equine Veterinary Science
- ✓ Brazilian Journal of Biology
- ✓ Integrative Zoology
- ✓ Animal Biotechnology
- ✓ CABI Reviews
- ✓ Journal of the Saudi Society of Agricultural Sciences
- ✓ Canadian Journal of Animal Science
- ✓ BioMed Research International
- ✓ Preventive Veterinary Medicine
- ✓ BMC Genetics
- ✓ Acta Scientiarum Polonorum Zootechnica
- ✓ Annals of Animal Science
- ✓ Animal Genetics
- ✓ South African Journal of Animal Science
- ✓ Gene Reports
- ✓ Mljekarstvo
- ✓ Veterinary Research Forum
- ✓ Animal Production Science
- ✓ Acta Scientiarum. Animal Sciences
- ✓ Large Animal Review
- ✓ BMC Genomics
- ✓ Czech Journal of Animal Science
- ✓ Journal of Integrative Agriculture
- ✓ The Caspian Journal of Environmental Sciences
- ✓ Revista Colombiana de Ciencias Pecuarias
- ✓ Iranian Journal of Veterinary Research
- ✓ Aquaculture and Fisheries

Membership in scientific councils

1. Member of Iranian Society of Animal Science
2. Member of Iranian Genetics Society
3. Member of Asian Council of Science Editors

PUBLICATIONS

Book translation

1. **Ghavi Hossein-Zadeh, N.** 2013. Dairy Cattle Husbandry. University of Guilan Press.
2. **Ghavi Hossein-Zadeh, N.**, and B. Rabiei. 2020. Statistical Genetics of Quantitative Traits. University of Guilan Press.

Book chapters

1. Buffalo genetics and genomics. 2022. Frontiers Media SA.

Journal papers

Abdoli, R., P. Zamani, S. Z. Mirhosseini, **N. Ghavi Hossein-Zadeh**, and S. Nadri. 2016. A review on prolificacy genes in sheep. Reproduction in Domestic Animals. 51: 631-637.

Abdoli, R., S. Z. Mirhosseini, **N. Ghavi Hossein-Zadeh**, and P. Zamani. 2018. Screening for causative mutations of major prolificacy genes in Iranian fat-tailed sheep. International Journal of Fertility and Sterility. 12(1): 51-55.

Abdoli, R., P. Zamani, S. Z. Mirhosseini, **N. Ghavi Hossein-Zadeh**, and M. Almasi. 2019. Genetic parameters and trends for litter size in Markhoz goats. Revista Colombiana de Ciencias Pecuarias. 32(1): 58-63.

Abdoli, R., S. Z. Mirhosseini, **N. Ghavi Hossein-Zadeh**, P. Zamani, and C. Gondro. 2018. Genome-wide association study to identify genomic regions affecting prolificacy in Lori-Bakhtiari sheep. Animal Genetics. 49(5): 488-491.

Abdoli, R., S. Z. Mirhosseini, **N. Ghavi Hossein-Zadeh**, P. Zamani, M. H. Ferdosi and C. Gondro. 2019. Genome-wide association study of four composite reproductive traits in Iranian fat-tailed sheep. Reproduction, Fertility and Development. 31(6): 1127-1133.

Abdoli, R., S. Z. Mirhosseini, **N. Ghavi Hossein-Zadeh**, P. Zamani, M. H. Moradi, M. H. Ferdosi and C. Gondro. 2019. Genome-wide association study of first

lambing age and lambing interval in sheep. Small Ruminant Research. 178: 43-45.

Abdoli, R., S. Z. Mirhoseini, **N. Ghavi Hossein-Zadeh**, P. Zamani, M. H. Moradi, M. H. Ferdosi, M. Sargolzaei and C. Gondro. 2023. Runs of homozygosity and cross-generational inbreeding of Iranian fat-tailed sheep. Heredity. 130: 358-367.

Abdoli, R., F. Rafeie, R. Sourati Zanjani, **N. Ghavi Hossein-Zadeh**, J. Jalali Sendi and F. Ramezani Pastaky. 2024. A study on performance of Iranian commercial silkworm lines under heat and cold stress. Agriculturae Conspectus Scientificus. 89(2): 151-157.

Afshar, O., M. Mohammadi, **N. Ghavi Hossein-Zadeh**, and A. Salimi. 2024. Influence of different concentrations of milk urea nitrogen on the reproductive performance of Holstein cows. Tropical Animal Health and Production. 56: 374.

Ahmadpanah, J., A. A. Shadparvar, **N. Ghavi Hossein-Zadeh**, and A. Pakdel. 2016. Genetic perspective of ascites syndrome in meat-type chickens. Iranian Journal of Applied Animal Science. 6(1): 9-14.

Ahmadpanah, J., **N. Ghavi Hossein-Zadeh**, A. A. Shadparvar, and A. Pakdel. 2017. Genetic parameters of body weight and ascites in broilers: Effect of different incidence rates of ascites syndrome. British Poultry Science. 58(1): 32-39.

Ahmadpanah, J., A. A. Shadparvar, **N. Ghavi Hossein-Zadeh**, and A. Safari. 2020. Modelling the biological aspects of broiler breeding: integrated and non-integrated systems. Agriculturae Conspectus Scientificus. 85(4): 353-366.

Akbarpour, T., **N. Ghavi Hossein-Zadeh**, and A. A. Shadparvar. 2021. Marker genotyping error effects on genomic predictions under different genetic architectures. Molecular Genetics and Genomics. 296: 79-89.

Amou Posht Masari, H., A. A. Shadparvar, **N. Ghavi Hossein-Zadeh**, and M. H. Hadi Tavatori. 2013. Estimation of genetic parameters for reproductive traits in Shall sheep. Tropical Animal Health and Production. 45: 1259–1263.

Ansari, S., **N. Ghavi Hossein-Zadeh**, and A. A. Shadparvar. 2024. Genomic predictions under different genetic architectures are impacted by mating designs. Veterinary and Animal Science. 25: 100373.

Ardalan, M., M. Dehghan-Banadaky, K. Rezayazdi, and **N. Ghavi Hossein-Zadeh**. 2011. The effect of rumen-protected methionine and choline on plasma metabolites of Holstein dairy cows. The Journal of Agricultural Science, Cambridge. 149: 639-646.

Asadollahi, S. S., and **N. Ghavi Hossein-Zadeh**. 2020. Twinning rate is not genetically correlated with production and reproduction traits in Iranian dairy cows. Animal Production Science. 60(11): 1402-1408.

Atefi, A., A. A. Shadparvar, and **N. Ghavi Hossein-Zadeh**. 2016. Comparison of whole genome prediction accuracy across generations using parametric and semi parametric methods. Acta Scientiarum. Animal Sciences. 38(4): 447-453.

Atefi, A., A. A. Shadparvar, and **N. Ghavi Hossein-Zadeh**. 2018. Accuracy of genomic prediction under different genetic architectures and estimation methods. Iranian Journal of Applied Animal Science. 8(1): 43-52.

Atefi, A., A. A. Shadparvar, and **N. Ghavi Hossein-Zadeh**. 2021. Impact of accounting for polygenic effects on the accuracy of genomic evaluations in livestock breeding. Agriculturae Conspectus Scientificus. 86(4): 357-360.

Azizian, S., A. A. Shadparvar, S. Joezy-Shekalgorabi, and **N. Ghavi Hossein-Zadeh**. 2016. The effect of dams of sire path management on genetic and economic parameters in a simulated genomic selection program. Iranian Journal of Applied Animal Science. 6(2): 335-342.

Azizian, S., A. A. Shadparvar, **N. Ghavi Hossein-Zadeh**, and S. Joezy-Shekalgorabi. 2016. Effect of increasing accuracy of genomic evaluations on economic efficiency of dairy cattle breeding programs. Italian Journal of Animal Science. 15(3): 379-385.

Badbarin, S., S. Z. Mirhoseini, B. Rabiei, **N. Ghavi Hossein-Zadeh**, H. Khamisabadi, F. Asroush, F. Perini, G. Rovelli, A. Seidavi, and E. Lasagna. 2021. QTLs detection for mohair traits in Iranian Angora goats (Markhoz goats). Small Ruminant Research. 202: 106460.

Barazandeh, A., S. Molaei Moghbeli, M. Vatankhah, and **N. Ghavi Hossein-Zadeh**. 2012. Lamb survival analysis from birth to weaning in Iranian Kermani sheep. Tropical Animal Health and Production. 44: 929-934.

Barazandeh, A., S. Molaei Moghbeli, **N. Ghavi Hossein-Zadeh**, and M. Vatankhah. 2012. Genetic evaluation of growth in Raini goat using random regression models. Livestock Science. 145: 1-6.

Bayat, M., H. Darmani Kuhi, M. Roostaei-Ali Mehr, and **N. Ghavi Hossein-Zadeh**. 2024. Dietary prebiotic alleviates experimentally induced coccidiosis in broilers. Research in Veterinary Science. 180: 105440.

Bayat, M., H. Darmani Kuhi, M. Roostaei-Ali Mehr, and **N. Ghavi Hossein-Zadeh**. 2025. Effect of dietary prebiotic supplementation on the immune response and intestinal health following Eimeria infection of broiler chicken. Iranian Journal of Veterinary Medicine. 19(4): 767–784.

Bohlool, Zh., M. Mohammadi, M. Roostaei-Ali Mehr, and **N. Ghavi Hossein-Zadeh**. 2015. Effect of different concentrations of trehalose and glycerol on the freezability of ram semen using soybean lecithin based diluents. Animal Production Science. 55: 666–671.

Chegini, A., A. A. Shadparvar, and **N. Ghavi Hossein-Zadeh**. 2013. Genetic trends for milk yield, persistency of milk yield, somatic cell count and calving interval in Holstein dairy cows of Iran. Iranian Journal of Applied Animal Science. 3(3): 503-508.

Chegini, A., A. A. Shadparvar, and **N. Ghavi Hossein-Zadeh**. 2015. Genetic parameter estimates for lactation curve parameters, milk yield, age at first calving, calving interval and somatic cell count in Holstein cows. Iranian Journal of Applied Animal Science. 5(1): 61-67.

Chegini, A., A. A. Shadparvar, **N. Ghavi Hossein-Zadeh**, and B. Mohammad Nazari. 2019. Genetic and environmental relationships among milk yield, persistency of milk yield, somatic cell count and calving interval in Holstein cows. Revista Colombiana de Ciencias Pecuaris. 32(2): 81-89.

Chegini, A., **N. Ghavi Hossein-Zadeh**, and H. Hosseini-Moghadam. 2015. Effect of calf sex on some productive, reproductive and health traits in Holstein cows. Spanish Journal of Agricultural Research. 13(2): e0605.

Chegini, A., **N. Ghavi Hossein-Zadeh**, H. Hosseini-Moghadam, and A. A. Shadparvar. 2016. Estimation of relationship between milk yield and different measures of

mastitis and hyperkeratosis in Holstein cows. Acta Scientiarum. Animal Sciences. 38(2): 191-196.

Chegini, A., **N. Ghavi Hossein-Zadeh**, H. Hosseini-Moghadam, and A. A. Shadparvar. 2016. Factors affecting clinical mastitis and effects of clinical mastitis on reproductive performance of Holstein cows. Revue de Medecine Veterinaire. 167(5-6): 145-153.

Chegini, A., **N. Ghavi Hossein-Zadeh**, H. Hosseini-Moghadam, and A. A. Shadparvar. 2016. Effect of somatic cell count on milk yield in different parities and stages of lactation in Holstein cows of Iran. Agriculturae Conspectus Scientificus. 81(1): 55-60.

Chegini, A., **N. Ghavi Hossein-Zadeh**, H. Hosseini-Moghadam, and A. A. Shadparvar. 2017. Effect of somatic cell count on milk fat and protein in different parities and stages of lactation in Holstein cows. Acta Agriculturae Slovenica. 110(1): 37-45.

Chegini, A., **N. Ghavi Hossein-Zadeh**, S. H. Hosseini-Moghadam, and A. A. Shadparvar. 2019. Genetic correlation estimates between milk production traits, mastitis and different measures of somatic cells in Holstein cows. Animal Production Science. 59(6): 1031-1038.

Chegini, A., **N. Ghavi Hossein-Zadeh**, S. H. Hosseini-Moghadam, and A. A. Shadparvar. 2019. Appropriate selection indices for functional traits in dairy cattle breeding schemes. Journal of Dairy Research. 86(1): 13-18.

Chegini, A., **N. Ghavi Hossein-Zadeh**, S. H. Hosseini-Moghadam, and A. A. Shadparvar. 2019. Genetic aspects of some reproductive, udder health and energy status traits in Holstein cows. Theriogenology. 130: 1-7.

Darmani Kuhi, H., **N. Ghavi Hossein-Zadeh**, S. Lopez, S. Falahi, and J. France. 2019. Sinusoidal function to describe the growth curve of dairy heifers. Animal Production Science. 59(6): 1039-1047.

Darmani Kuhi, H., S. Lopez, J. France, A. Mohit, A. Shabanpour, **N. Ghavi Hossein-Zadeh**, and S. Falahi. 2019. A sinusoidal equation as an alternative to classical growth functions to describe growth profiles in turkeys. Acta Scientiarum. Animal Sciences. 41: e45990.

Darmani Kuhi, H., J. France, S. Lopez, and **N. Ghavi Hossein-Zadeh**. 2019. A sinusoidal equation as alternative to conventional growth functions to describe the evolution of growth in quail. Spanish Journal of Agricultural Research. 17(3): e0606.

Darmani Kuhi, H., **N. Ghavi Hossein-Zadeh**, J. France, and S. Lopez. 2022. On the description of equine somatic growth using nonlinear functions. Journal of Equine Veterinary Science. 111: 103893.

Darmani Kuhi, H., **N. Ghavi Hossein-Zadeh**, J. France, and S. Lopez. 2022. Modelling growth in dairy heifers based on linear body measurements (withers height) using non-linear functions. Journal of Dairy Research. 15: 1-4.

Darmani Kuhi, H., S. Lopez, **N. Ghavi Hossein-Zadeh** and J. France. 2024. Comparison of nonlinear functions to describe lactation curves for cumulative milk production in buffalo. Journal of Dairy Research. *In press*.

Ehsaninia, J., **N. Ghavi Hossein-Zadeh**, and A. A. Shadparvar. 2016. Homogeneity and heterogeneity of variance components for milk and protein yield at different cluster sizes in Iranian Holsteins. Livestock Science. 188: 174-181.

Ehsaninia, J., **N. Ghavi Hossein-Zadeh**, and A. A. Shadparvar. 2019. Estimation of genetic variation for macro- and micro-environmental sensitivities of milk yield and composition in Holstein cows using double hierarchical generalized linear models. Journal of Dairy Research. 86(2): 145-153.

Ehsaninia, J., **N. Ghavi Hossein-Zadeh**, and A. A. Shadparvar. 2020. Estimation of genetic parameters for micro-environmental sensitivities of production traits in Holstein cows using two-step method. Animal Production Science. 60, 752–757.

Ehsaninia, J., B. Faye, and **N. Ghavi Hossein-Zadeh**. 2020. Phenotypic diversity of camel ecotypes (*Camelus dromedarius*) in the south region of Kerman province of Iran. Iranian Journal of Applied Animal Science. 10(4): 735-745.

Eteqadi, B., **N. Ghavi Hossein-Zadeh**, and A. A. Shadparvar. 2014. Population structure and inbreeding effects on body weight traits of Guilan sheep in Iran. Small Ruminant Research. 119: 45-51.

Eteqadi, B., **N. Ghavi Hossein-Zadeh**, and A. A. Shadparvar. 2015. Inbreeding effects on reproductive traits in Iranian Guilan sheep. Tropical Animal Health and Production. 47(3): 533-539.

Eteqadi, B., **N. Ghavi Hossein-Zadeh**, and A. A. Shadparvar. 2017. Genetic analysis of basic and composite reproduction traits in Guilan sheep. Annals of Animal Science. 17(1): 105-116.

Eteqadi, B., **N. Ghavi Hossein-Zadeh**, and A. A. Shadparvar. 2016. Estimation of genetic and phenotypic trends for body weight traits of sheep in Guilan province of Iran. Journal of Livestock Science and Technologies. 4(2): 57-62.

Falahpour, S., A. A. Shadparvar, **N. Ghavi Hossein-Zadeh**, and M. Mehdizadeh. 2013. An optimum regression model to estimate economic values for milk yield, milk yield persistency and calving interval in dairy cattle. Iranian Journal of Applied Animal Science. 3(2): 343-350.

Farouk, S. M., A. S. Khattab, M. E. Noweir, and **N. Ghavi Hossein-Zadeh**. 2022. Genetic analysis of some productive and reproductive traits in New Zealand White rabbits. World Rabbit Science. 30: 141-146.

Ghavi Hossein-Zadeh, N. 2010. Evaluation of the genetic trend of milk yield in the multiple ovulation and embryo transfer populations of dairy cows, using stochastic simulation. Comptes Rendus Biologies. 333:710-715.

Ghavi Hossein-Zadeh, N. 2010. The effect of twinning on milk yield, dystocia, calf birth weight and open days in Holstein dairy cows of Iran. Journal of Animal Physiology and Animal Nutrition. 94: 780-787.

Ghavi Hossein-Zadeh, N. 2010. Evaluation of the effect of twin births on the perinatal calf mortality and productive performance of Holstein dairy cows. Archiv Tierzucht. 53: 256-265.

Ghavi Hossein-Zadeh, N. 2011. Estimation of genetic and phenotypic relationships between age at first calving and productive performance in Iranian Holsteins. Tropical Animal Health and Production. 43: 967-973.

Ghavi Hossein-Zadeh, N. 2011. Genetic parameters and trends for calving interval in the first three lactations of Iranian Holsteins. Tropical Animal Health and Production. 43: 1111-1115.

Ghavi Hossein-Zadeh, N. 2012. Evidence of the genetic trend for secondary sex ratio in Iranian Holsteins. Reproduction, Fertility and Development. 24: 438-442.

Ghavi Hossein-Zadeh, N. 2012. Factors affecting secondary sex ratio in Iranian Holsteins. Theriogenology. 77: 214–219.

Ghavi Hossein-Zadeh, N. 2012. Bayesian estimates of genetic changes for body weight traits of Moghani sheep using Gibbs sampling. Tropical Animal Health and Production. 44: 531-536.

Ghavi Hossein-Zadeh, N. 2011. Genetic and phenotypic trends for age at first calving and milk yield and compositions in Holstein dairy cows. Archiv Tierzucht. 54(4): 338-347.

Ghavi Hossein-Zadeh, N. 2011. Estimation of genetic parameters and genetic change for stillbirth in Iranian Holstein cows: a comparison between linear and threshold models. Agricultural and Food Science. 20: 287-297.

Ghavi Hossein-Zadeh, N. 2012. Inbreeding effects on body weight traits of Iranian Moghani sheep. Archiv Tierzucht. 55: 171-178.

Ghavi Hossein-Zadeh, N. 2012. Estimation of genetic parameters and trends for energy-corrected 305-d milk yield in Iranian Holsteins. Archiv Tierzucht. 55: 420-426.

Ghavi Hossein-Zadeh, N. 2013. Inbreeding effects on average daily gains and Kleiber ratios in Iranian Moghani sheep. Iranian Journal of Applied Animal Science. 3(3): 545-551.

Ghavi Hossein-Zadeh, N. 2012. Genetic parameters and trends for lactation length in the first three lactations of Holstein cows. Archiv Tierzucht. 55: 533-539.

Ghavi Hossein-Zadeh, N. 2014. Effect of dystocia on the productive performance and calf stillbirth in Iranian Holsteins. Journal of Agricultural Science and Technology. 16: 69-78.

Ghavi Hossein-Zadeh, N. 2013. Effects of main reproductive and health problems on the performance of dairy cows: A review. Spanish Journal of Agricultural Research. 11(3): 718-735.

Ghavi Hossein-Zadeh, N. 2014. Comparison of non-linear models to describe the lactation curves of milk yield and composition in Iranian Holsteins. The Journal of Agricultural Science, Cambridge. 152: 309-324.

Ghavi Hossein-Zadeh, N. 2013. Factors affecting lactation length and effect of current lactation length on the subsequent production and reproduction in Iranian Holsteins. Archiv Tierzucht. 56(87): 873-881.

Ghavi Hossein-Zadeh, N. 2014. Linear and threshold analysis of direct and maternal genetic effects for secondary sex ratio in Iranian buffaloes. Journal of Applied Genetics. 55: 365–372.

Ghavi Hossein-Zadeh, N. 2015. Estimation of genetic relationships between growth curve parameters in Guilan sheep. Journal of Animal Science and Technology. 57: 19.

Ghavi Hossein-Zadeh, N. 2016. Bayesian analysis of direct and maternal effects for birthweight in Iranian buffaloes using Gibbs sampling. Animal Production Science. 56(5): 859-865.

Ghavi Hossein-Zadeh, N. 2016. Analysis of population structure and genetic variability in Iranian buffaloes (*Bubalus bubalis*) using pedigree information. Animal Production Science. 56(7): 1130-1135.

Ghavi Hossein-Zadeh, N. 2017. Estimates of genetic parameters and genetic trends for production and reproduction traits in Iranian buffaloes (*Bubalus bubalis*). Animal Production Science. 57(2): 216-222.

Ghavi Hossein-Zadeh, N. 2015. Modeling the growth curve of Iranian Shall sheep using non-linear growth models. Small Ruminant Research. 130: 60-66.

Ghavi Hossein-Zadeh, N. 2015. Bayesian estimates of genetic relationships between growth curve parameters in Shall sheep via Gibbs sampling. Iranian Journal of Applied Animal Science. 5(4): 167-174.

Ghavi Hossein-Zadeh, N. 2016. Comparison of non-linear models to describe the lactation curves for milk yield and composition in buffaloes (*Bubalus bubalis*). Animal. 10(2): 248-261.

Ghavi Hossein-Zadeh, N. 2017. Application of growth models to describe the lactation curves for test-day milk production in Holstein cows. Journal of Applied Animal Research. 45(1): 145-151.

Ghavi Hossein-Zadeh, N. 2016. Effect of dystocia on subsequent reproductive performance and functional longevity in Holstein cows. Journal of Animal Physiology and Animal Nutrition. 100: 860-867.

Ghavi Hossein-Zadeh, N. 2016. Modelling lactation curve for fat to protein ratio in Holstein cows. Animal Science Papers and Reports. 34(3): 233-246.

Ghavi Hossein-Zadeh, N. 2016. Modeling lactation curve for milk fat to protein ratio in Iranian buffaloes (*Bubalus bubalis*) using non-linear mixed models. Journal of Dairy Research. 83(3): 334-340.

Ghavi Hossein-Zadeh, N. 2016. Threshold analysis of genetic effects for secondary sex ratio in domestic sheep using Bayesian approach via Gibbs sampling. Small Ruminant Research. 144: 197-204.

Ghavi Hossein-Zadeh, N. 2017. Modeling growth curve in Moghani sheep: Comparison of non-linear mixed growth models and estimation of genetic relationship between growth curve parameters. The Journal of Agricultural Science, Cambridge. 155(7): 1150-1159.

Ghavi Hossein-Zadeh, N. 2019. Application of non-linear mathematical models to describe effect of twinning on the lactation curve features in Holstein cows. Research in Veterinary Science. 122: 111-117.

Ghavi Hossein-Zadeh, N. 2019. Comparison of the parameters of the lactation curve between normal and difficult calvings in Iranian Holstein cows. Spanish Journal of Agricultural Research. 17(1): 1-13.

Ghavi Hossein-Zadeh, N. 2021. A meta-analysis of heritability estimates for milk fatty acids and their genetic relationship with milk production traits in dairy cows using a random-effects model. Livestock Science. 244: 104388.

Ghavi Hossein-Zadeh, N. 2021. A meta-analysis of genetic parameter estimates for conformation traits in horses. Livestock Science. 250: 104601.

Ghavi Hossein-Zadeh, N. 2022. A meta-analysis of genetic parameter estimates for milk and serum minerals in dairy cows. Journal of Dairy Research. 23: 1-10.

Ghavi Hossein-Zadeh, N. 2022. Estimates of the genetic contribution to methane emission in dairy cows: A meta-analysis. Scientific Reports. 12: 12352.

Ghavi Hossein-Zadeh, N. 2023. A meta-analysis of the genetic contribution to greenhouse gas emission in sheep. Journal of Animal Breeding and Genetics. 140(1): 49-59.

Ghavi Hossein-Zadeh, N. 2022. A meta-analysis of the genetic contribution estimates to major indicators for ketosis in dairy cows. Research in Veterinary Science. 153: 8-16.

Ghavi Hossein-Zadeh, N. 2023. Milk coagulation properties are moderately heritable in dairy cows: A meta-analysis using the random-effects model. Journal of Dairy Research. 90: 234-243.

Ghavi Hossein-Zadeh, N. 2024. Evidence of additive genetic variation for major milk proteins in dairy cows: a meta-analysis. Journal of Animal Breeding and Genetics. 141: 379-389.

Ghavi Hossein-Zadeh, N. 2024. Milk urea nitrogen is genetically associated with production and reproduction performance of dairy cows: a meta-analysis. Livestock Science. 283: 105461.

Ghavi Hossein-Zadeh, N. 2024. Modeling the growth curve in ducks: A sinusoidal model as an alternative to classical nonlinear models. Poultry Science. 103: 103918.

Ghavi Hossein-Zadeh, N. 2024. Introducing an alternative nonlinear model to characterize the growth curve in ostrich. Poultry Science. *In press*.

Ghavi Hossein-Zadeh, N. 2024. A meta-analysis of genetic estimates for economically important traits in ducks. Veterinary and Animal Science. 26: 100405.

Ghavi Hossein-Zadeh, N. 2024. An overview of recent technological developments in bovine genomics. Veterinary and Animal Science. 25: 100382.

Ghavi Hossein-Zadeh, N. 2025. Comparison of nonlinear models for describing the growth curve of Pekin ducks. Veterinary Medicine and Science. 11(2): e70268.

Ghavi Hossein-Zadeh, N. 2025. Introducing alternative nonlinear models to characterize growth curves in goats. Tropical Animal Health and Production. 57(3): 128.

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