

## In the Name of God

### Scientific Profile (CV)

**Full Name:** Ali Esmailizadeh Koshkoiyeh

**Date of Birth (Year- Month -Day):** 1972-03-10

**Place of Birth:** Rafsanjan

**Field of Study:** Animal Science, Specialization: Quantitative Genetics

**Place of Employment:** Shahid Bahonar University of Kerman

**Postal Address:** Kerman - 22 Bahman Blvd - Research Square - Shahid Bahonar University of Kerman - Faculty of Agriculture - Department of Animal Science.

**Office Phone:** 034-32432085, Mobile: +98-9133958041

**Email:** [aliesmaili@uk.ac.ir](mailto:aliesmaili@uk.ac.ir)

### 1. Academic Qualifications and Ranks

#### 1-1. Academic Degrees

Academic Degree	Field of Study	Institution	Year Obtained	Thesis Title
PhD	Animal Science-Quantitative Genetics	Australia-University of Adelaide	2006	Multiple trait analysis for genetic mapping of quantitative trait loci for carcass and beef quality
MSc	Animal Science-Animal Genetics and Breeding	Tarbiat Modares University	1997	Evaluation of Holstein cows' production capacity in Yazd province
BSc	Agricultural Engineering-Animal Science	University of Sistan and Baluchestan	1995	Seminar: Modernization of honeybee hives

## 2-1. Academic Ranks

Academic Rank	University	From Date	Last Promotion Base
Professor	Shahid Bahonar University of Kerman	Jan 17, 2015	33
Associate Professor	Shahid Bahonar University of Kerman	Jan 16, 2011	
Assistant Professor	Shahid Bahonar University of Kerman	Jan 15, 2006	

## 2. Scientific Publications

### 1-2. Number of articles published in reputable domestic scientific journals: 80 articles

- Ali Esmailizadeh Koshkoiyeh, Seyed Reza Miraei Ashtiani, Mohammad Akbari Qaraei, *Effect of live weight and body condition score of ewes at mating time on reproductive performance and lambing season of Kurdi sheep population in western Iran under traditional farming conditions*, Research and Development, pages 8-16, 1382.
- Ali Esmailizadeh Koshkoiyeh, Mohammad Reza Mohammad Abadi, Masoud Asadi Foozi, *Mapping genomic regions controlling quantitative traits in domestic animals using simple regression method*, Iranian Journal of Animal Science, Issue 39, pages 83-93, 1387.
- Ali Esmailizadeh Koshkoiyeh, Mohammad Reza Mohammad Abadi, *Molecular exploration of cattle genome for mapping gene loci associated with carcass weight*, Agricultural Biotechnology, Issue 1, 1388.
- Ali Esmailizadeh Koshkoiyeh, *Modeling covariance structure of DNA marker effects among correlated traits using a random factor analytic model*, Modern Genetics, Issue 5, pages 23-33, 1389.
- Hassan Moradian, Ali Esmailizadeh Koshkoiyeh, Saeed Sohrabi Shobijreh, Ehsan Nasiri, *Study of reciprocal cross effects on growth-related traits and carcass characteristics of second-generation birds from reciprocal crosses of two Japanese quail strains*, Animal Production Research, Issue 2, pages 61-68, 1392.
- Rasoul Khodabakhshzadeh, Mohammad Reza Mohammad Abadi, Ali Esmailizadeh Koshkoiyeh, Hossein Moradi Shahrabak, Sepideh Ansari Namin, *Study of mutations in*

*the first half of exon 2 of GDF9 gene in Romanov crossbred and Kermani sheep*, Iranian Journal of Animal Science Research, Issue 4, pages 395-403, 1393.

- Hassan Moradian, Ali Esmailizadeh Koshkoiyeh, Mohammad Reza Mohammad Abadi, Saeed Sohrabi Shobijreh, *Identification of gene loci associated with body weight and internal organ ratios on chromosome 1 of Japanese quail*, Agricultural Biotechnology, Issue 4, pages 143-158, 1393.
- Fatemeh Tavhidi Nezhad, Mohammad Reza Mohammad Abadi, Ali Esmailizadeh Koshkoiyeh, Ozra Najmi Nouri, *Comparison of different expression levels of Rheb gene in various tissues of Rayini cashmere goats*, Agricultural Biotechnology, Issue 4, pages 37-50, 1393.
- Elaheh Rostamzadeh Mahdavi, Masoud Asadi Foozi, Ali Esmailizadeh Koshkoiyeh, *Effect of dietary methionine restriction on Japanese quail performance*, Animal Nutrition Research, Issue 1, pages 39-46, 1393.
- Mahya Hamidi Raouri, Ali Esmailizadeh Koshkoiyeh, Mohammad Reza Mohammad Abadi, Ahmad Ayatollahi Mehrjerdi, *Decomposition of gene loci associated with growth traits on chromosomes 3, 9, and 6 in Kermani sheep*, Modern Genetics, Issue 10, pages 469-476, 1394.
- Arash Javanmard, Leila Ali Talash, Mohammad Hossein Moradi, Zahra Azizi, Ali Esmailizadeh Koshkoiyeh, *Relationship between threshold limits and motif size of microsatellite markers with growth traits and dressing percentage index in commercial goats*, Agricultural Biotechnology, Issue 7, pages 51-66, 1394.
- Mehrdad Ghasemi Mimandi, Mohammad Reza Mohammad Abadi, Ali Esmailizadeh Koshkoiyeh, *Genetic diversity of camels in northern Kerman province using microsatellite markers*, Animal Production Research, Issue 1, pages 35-45, 1394.
- Rasoul Khodabakhshzadeh, Mohammad Reza Mohammad Abadi, Hossein Moradi Shahrabak, Ali Esmailizadeh Koshkoiyeh, Sepideh Ansari Namin, *Identification of G-A point mutations at positions 477 and 721 of exon 2 of GDF9 gene in Kermani sheep*, Modern Genetics, Issue 2, pages 261-268, 1394.
- Rasoul Khodabakhshzadeh, Mohammad Reza Mohammad Abadi, Hossein Moradi Shahrabak, Ali Esmailizadeh Koshkoiyeh, *Identification of mutations in the first half (5' end) of exon 2 of GDF9 gene in Romanov and Lori-Bakhtiari crossbred sheep*, Animal Production Research, Issue 4, pages 15-26, 1394.
- Mohammad Taqi Vajed Ebrahimi, Mohammad Reza Mohammad Abadi, Ali Esmailizadeh Koshkoiyeh, *Investigation of genetic diversity in five Iranian sheep populations using microsatellite markers*, Agricultural Biotechnology, Issue 4, pages 143-158, 1394.

- Karim Karimi, Ali Esmailizadeh Koshkoiyeh, Masoud Asadi Foozi, *Analysis of genetic structure of Iranian native cattle populations using dense single nucleotide polymorphism markers*, Animal Production Research, Issue 4, pages 93-104, 1394.
- Nazanin Mahmoodi, Ahmad Ayatollahi Mehrjerdi, Mahmoud Honarvar, Ali Esmailizadeh Koshkoiyeh, *Study of statistical distribution of QTL effects on accuracy of genomic breeding values estimated by Bayesian method*, Iranian Journal of Animal Science Research, Issue 7, pages 356-363, 1394.
- Hamideh Bazgir, Ali Esmailizadeh Koshkoiyeh, Zeinab Amiri Ghanatsaman, Masoud Asadi Foozi, *Identification of genomic diversity in Lari chicken using whole genome sequencing*, Agricultural Biotechnology, Issue 13, pages 189-204, 1400.
- Hojjat Asadollah Pournaei, Ali Esmailizadeh Koshkoiyeh, Hamed Kharrati Koopaei, *Comparative genomics of pony and Hanoverian horses against various horse breeds to identify candidate genes for body size and athletic performance*, Modern Genetics, Issue 16, pages 249-261, 1400.
- Mahboobe Rashdi Far, Ali Esmailizadeh Koshkoiyeh, Mohammad Reza Mohammad Abadi, Hamed Kharrati Koopaei, *Investigation of the effect of hemp seed feeding on neuropeptide NPY gene expression in Baluchi sheep*, Animal Production Research, Issue 12, pages 164-171, 1400.
- Rasoul Akbari Vakilabad, Ali Esmailizadeh Koshkoiyeh, Zeinab Amiri Ghanatsaman, Ahmad Ayatollahi Mehrjerdi, *Identification of genomic diversity in Marandi chicken using whole genome sequencing*, Agricultural Biotechnology, Issue 12, pages 162-176, 1399.
- Mohammad Reza Ahsani, Mohammad Reza Mohammad Abadi, Masoud Asadi Foozi, Ali Esmailizadeh Koshkoiyeh, Amin Khazri, Hamid Reza Esmaili, *Leptin gene expression in subcutaneous tissue of Holstein cattle*, Agricultural Biotechnology, Issue 1, pages 135-150, 1398.
- Mahboobe Kurd, Mohammad Reza Mohammad Abadi, Ali Esmailizadeh Koshkoiyeh, Arsalan Barazandeh, *Study of predicted changes in variance components and genetic parameters of survival distribution function in Kermani ewes*, Iranian Journal of Animal Science Research, Issue 4, pages 489-499, 1398.
- Mahin Rasani, Hossein Ali Sasan, Samaneh Al-Sadat Karamooz, Ali Esmailizadeh Koshkoiyeh, Masoud Asadi Foozi, Ahmad Ayatollahi Mehrjerdi, *Cloning and homologous recombination of Clostridium perfringens alpha-toxin gene in E. coli bacteria*, Agricultural Biotechnology, Issue 11, pages 67-86, 1398.

- Zeinab Amiri Ghanatsaman, Ali Esmailzadeh Koshkoiyeh, Masoud Asadi Foozi, *Identification of indels in the genome of native Iranian dogs and wolves using whole genome sequencing*, Modern Genetics, Issue 14, pages 85-88, 1398.
- Atefeh Pirasteh, Masoud Asadi Foozi, Ali Esmailzadeh Koshkoiyeh, *Genetic analysis of milk yield and milk fat percentage in different lactation periods of Iranian Holstein cows using appropriate models*, Iranian Biology Journal - Iranian Biology Association, Issue 32, 1398.
- Zeinab Amiri Ghanatsaman, Ali Esmailzadeh Koshkoiyeh, Masoud Asadi Foozi, *Identification of deletions and insertions in the genome of Iranian dogs and wolves using whole genome sequencing*, Modern Genetics, Issue 14, pages 85-88, 1398.
- Saeed Sohrabi Shobijreh, Tahereh Eskandari Nasab Siahkouhi, Ali Esmailzadeh Koshkoiyeh, Mohammad Reza Mohammad Abadi, *Identification of single nucleotide markers in Fars native chicken using whole genome sequencing*, Agricultural Biotechnology, Issue 1, pages 139-151, 1397.
- Mahboobe Iranmanesh, Ali Esmailzadeh Koshkoiyeh, Mohammad Reza Mohammad Abadi, *Mapping gene loci associated with body weight on chromosome 5 in an F2 population of Japanese quail*, Animal Production Research, Issue 2, pages 111-118, 1397.
- Hamed Kharrati Koopaei, Esmaeil Ebrahimi, Mohammad Dadpasand, Ali Niazi, Ali Esmailzadeh Koshkoiyeh, *Identification of genetic variants in Aryan line and evaluation of their performance using whole genome sequencing*, Agricultural Biotechnology, Issue 10, pages 45-60, 1397.
- Ehsan Nasirifar, Ali Esmailzadeh Koshkoiyeh, Hassan Moradian, Saeed Sohrabi Shobijreh, Mehdi Talebi, *Investigation of quantitative trait loci affecting growth traits in Japanese quail using paternal half-sib design*, Animal Production Research, Issue 8, pages 122-129, 1397.
- Elaheh Sanjari Benestani, Mahdieh Ziaaldini Dashtkhaki, Masoud Asadi Foozi, Ali Esmailzadeh Koshkoiyeh, *Myostatin gene polymorphism and its association with growth traits in Rayini cashmere goats*, Animal Production, Issue 20, pages 365-373, 1397.
- Rasoul Khodabakhshzadeh, Mohammad Reza Mohammad Abadi, Ali Esmailzadeh Koshkoiyeh, Hossein Moradi Shahrababak, *Identification of polymorphisms in exon 2 of GDF9 gene in pure and crossbred Pakistani sheep*, Animal Production Research, Issue 16, pages 158-165, 1396.
- Marjan Ahmadi, Ali Esmailzadeh Koshkoiyeh, Ehsan Nasirifar, *Analysis of additive, dominance, and imprinting QTL effects with hatch and sex on some traits on chromosome 5 of Japanese quail*, Iranian Journal of Animal Science Research, Issue 9, pages 125-134, 1396.

- Elaheh Sanjari Benestani, Mahdiah Ziaaldini Dashtkhaki, Ali Esmailizadeh Koshkoiyeh, Mohammad Reza Mohammad Abadi, *Investigation of association between leptin gene polymorphism and body size-related traits in Rayini cashmere goats*, Agricultural Biotechnology, Issue 9, pages 97-109, 1396.
- Rasoul Khodabakhshzadeh, Mohammad Reza Mohammad Abadi, Ali Esmailizadeh Koshkoiyeh, Hossein Moradi Shahrababak, *Identification of polymorphisms in exon 2 of GDF9 gene in pure and crossbred Pakistani sheep*, Animal Production Research, Issue 16, pages 158-165, 1396.
- Mostafa Dehghani Qanatghestani, Ahmad Ayatollahi Mehrjerdi, Ali Esmailizadeh Koshkoiyeh, *Investigation of genetic and phylogenetic diversity of mitochondrial loop-d region in wild sheep and Kermani sheep breeds*, Modern Genetics, Issue 12, pages 649-653, 1396.
- Ebrahim Asadi Khoshouei, Roya Harit, Ali Esmailizadeh Koshkoiyeh, Saeedollah Hooshmand, *Mapping gene loci affecting live weight and body size in Lori-Bakhtiari sheep using paternal half-sib design and introducing biological markers associated with growth rate*, Agricultural Biotechnology, Issue 9, pages 1-16, 1396.
- Mohammad Taqi Vajed Ebrahimi, Mohammad Reza Mohammad Abadi, Ali Esmailizadeh Koshkoiyeh, *Investigation of genetic diversity in four Iranian sheep breeds using microsatellite markers*, Biotechnology in Agriculture, Issue 1, pages 59-67, 1396.
- Samira Khosravi Meshizi, Masoud Asadi Foozi, Ali Esmailizadeh Koshkoiyeh, *Evaluation of genetic progress of growth traits in Kermani sheep breeding and improvement station*, Animal Production Research, pages 187-193, 1396.
- Karim Karimi, Ali Esmailizadeh Koshkoiyeh, Masoud Asadi Foozi, *Investigation of linkage disequilibrium levels in genome of native cattle of Fars province using dense single nucleotide polymorphism data*, Animal Science Research, Issue 27, pages 17-27, 1396.
- Elaheh Rostamzadeh Mahdavi, Masoud Asadi Foozi, Malek Hossein Asadi, Ali Esmailizadeh Koshkoiyeh, *Investigation of effect of initial weight on gene expression in breast muscle of Japanese quail*, Animal Production Research, Issue 8, 1396.
- Saeed Sohrabi Shobijreh, Ali Esmailizadeh Koshkoiyeh, Mohammad Reza Mohammad Abadi, Hassan Moradian, Ehsan Nasirifar, Rasoul Khodabakhshzadeh, *Identification of gene loci affecting skeletal asymmetry in Japanese quail*, Agricultural Biotechnology, Issue 8, pages 69-84, 1395.
- Zeinab Amiri Ghanatsaman, Ali Esmailizadeh Koshkoiyeh, Masoud Asadi Foozi, *Investigation of structural genomic diversity in native Iranian dogs and wolves using*

*whole genome sequencing*, Iranian Journal of Animal Science, Issue 47, pages 271-277, 1395.

- Majid Pasandideh, Hamed Kharrati Koopaei, Mohammad Reza Mohammad Abadi, Ali Esmailizadeh Koshkoiyeh, *Association of OPN and PPARGC1A gene alleles with somatic cell count in milk of Iranian Holstein cattle*, Modern Genetics, Issue 3, pages 357-365, 1395.
- Mehrdad Ghasemi Mimandi, Mohammad Reza Mohammad Abadi, Ali Esmailizadeh Koshkoiyeh, Mahdieh Montazeri, *Assignment of individuals to populations of camels in northern Kerman province using microsatellite markers*, Modern Genetics, Issue 3, pages 329-335, 1395.
- Mahboobe Iranmanesh, Ali Esmailizadeh Koshkoiyeh, Mohammad Reza Mohammad Abadi, Saeed Sohrabi Shobijreh, *Identification of gene loci affecting growth rate and dressing percentage on chromosome 5 of Japanese quail*, Animal Production Research, Issue 4, pages 12-22, 1395.
- Homa Arabi, Mohammad Moradi Shahrabak, Abbas Pakdel, Hossein Moradi Shahrabak, Ali Esmailizadeh Koshkoiyeh, *Identification of a new polymorphism in the promoter region of insulin-like growth factor-1 (IGF1) gene in Japanese quail using PCR-SSCP method*, Iranian Journal of Animal Science, Issue 47, pages 303-313, 1395.
- Marjan Ahmadi, Ali Esmailizadeh Koshkoiyeh, Ehsan Nasirifar, Mahboobe Iranmanesh, *Decomposition of QTLs associated with skeletal traits on chromosome 5 of Japanese quail*, Modern Genetics, Issue 11, pages 569-578, 1395.
- Amirhossein Jafari Darehder, Mohammad Reza Mohammad Abadi, Ali Esmailizadeh Koshkoiyeh, Ali Riahi Modvar, *Investigation of CIB4 gene expression in various tissues of Kermani sheep using Real Time qPCR*, Ruminant Research, Issue 4, pages 119-132, 1395.
- Mahdieh Montazeri, Masoud Asadi Foozi, Ali Esmailizadeh Koshkoiyeh, *Identification of genomic regions under selection using single nucleotide markers in Australian Merino sheep*, Modern Genetics, Issue 11, pages 459-467, 1395.
- Mahdieh Montazeri, Masoud Asadi Foozi, Ali Esmailizadeh Koshkoiyeh, *Identification of genomic regions under selection using single nucleotide markers*, Modern Genetics, Issue 11, pages 459-467, 1395.
- Nader Farough Ameri, Masoud Asadi Foozi, Ali Esmailizadeh Koshkoiyeh, *Whole genome scan of eight Iranian native cattle breeds to identify selection signatures*, Animal Production, Issue 18, pages 201-213, 1395.

- Elaheh Rostamzadeh Mahdavi, Masoud Asadi Foozi, Ali Esmailzadeh Koshkoiyeh, *Investigation of methionine restriction effect on gene expression*, Agricultural Biotechnology, Issue 8, pages 47-60, 1395.
- Gholamreza Dashab, Ali Asghar Aslaminejad, Mohammad Reza Nassiri, Ali Esmailzadeh Koshkoiyeh, Davoodali Saghi, *Investigation of genetic and environmental parameters on fleece weight and wool fiber characteristics of Baluchi sheep*, Animal Science, pages 88-100, 1394.
- Ehsan Nasirifar, Ali Esmailzadeh Koshkoiyeh, Hassan Moradian, Saeed Sohrabi Shobijreh, *Identification of quantitative trait loci affecting carcass and internal organ traits on chromosome 2 of Japanese quail*, Iranian Journal of Animal Science, Issue 46, pages 223-233, 1394.
- Karim Karimi, Ali Esmailzadeh Koshkoiyeh, Masoud Asadi Foozi, *Estimation of effective population size in Sarabi cattle based on single nucleotide polymorphism markers*, Iranian Journal of Animal Science, Issue 46, pages 335-343, 1394.
- Elaheh Rostamzadeh Mahdavi, Ali Esmailzadeh Koshkoiyeh, *Investigation of genetic structure and diversity of three native chicken ecotypes with common ancestor and commercial lines using whole genome sequencing data*, Modern Genetics Quarterly, Volume 17, Issue 3, pages 249-239, 1401.
- Amir Masoud Esmailian, Ali Esmailzadeh Koshkoiyeh, Mohammad Reza Mohammadabadi, Mehdi Mansouri, Mohammad Ali Ferehushi, Hamed Kharrati Koopaei, *Effect of hemp seed feeding on CPT1B gene expression in Baluchi sheep*, Animal Production, Volume 24, Issue 3, pages 290-281, 1401.
- Hamed Kharrati Koopaei, Ali Esmailzadeh Koshkoiyeh, Hojjat Asadollah Pourn'aei, *Evaluation of genetic potential of Iranian native chicken ecotypes for genetic resource conservation*, Agricultural Biotechnology, Issue 14, pages 119-132, 1401.
- Raena Pedar, Ali Esmailzadeh Koshkoiyeh, Ahmad Ayatollahi Mehrjerdi, Hojjat Asadollah Pourn'aei, Hamed Kharrati Koopaei, *Identification of single nucleotide polymorphisms in genome of Iranian horned chicken ecotypes for studying phylogenetic relationships and inbreeding levels*, Iranian Journal of Animal Science, Issue 53, pages 43-51, 1401.
- Zahra Pati Abadi, Mohammad Razm Kabir, Ali Esmailzadeh Koshkoiyeh, Mohammad Hossein Moradi, Amir Rashidi, *Genomic scan of selection signatures in Iranian skin and wool sheep using unbiased estimators FST and hapFLK methods*, Journal of Animal Production Research, Volume 12, Issue 2, pages 19-1, 1402.
- Zahra Pati Abadi, Mohammad Razm Kabir, Ali Esmailzadeh Koshkoiyeh, Mohammad Hossein Moradi, Amir Rashidi, *Identification of genomic regions under positive selection*

*for high-altitude adaptation in Iranian sheep*, Iranian Journal of Animal Science Quarterly, Volume 55, Issue 1, pages 20-1, 1403.

- Sousan Radpour, Mohammad Taqi Bigi Nasiri, Mohammad Hossein Moradi, Ali Esmailzadeh Koshkoiyeh, *Identification of genomic regions associated with fat deposition in some Asian and African sheep breeds based on selection signature method*, Iranian Journal of Animal Science Quarterly, Volume 56, Issue 1, pages 16-1, 1404.
- Ali Norouzi, Mohammad Hossein Moradi, Hossein Mohammadi, Amir Hossein Khalat Abadi Farhadi, Ali Esmailzadeh Koshkoiyeh, *Gene set enrichment analysis to identify genomic regions associated with environmental adaptation in some Iranian sheep breeds*, Journal of Animal Production Research, Volume 14, Issue 2, pages 18-1, 1404.

## **2-2. Number of articles published in reputable international journals: 130 articles**

**Esmailzadeh, A. & M.**, Sargolzaei, A novel approach for mapping complex disease loci in mice exploiting a mixed-effects model. Abstracts of Iranian biotechnology congress published in *Iranian Biomedical Journal*, (2007) 24:156. Scopus ; Quartile: Q3.

**Esmailzadeh, A.**, C. D. K. Bottema, G. S. Sellick, A. P. Verbyla, C. A. Morris, N. G. Cullen, W. S. Pitchford, Effects of the myostatin F94L substitution on beef traits. *Journal of Animal Science*, (2008) 86:1038-1046. IF: 3.338 ; Quartile: Q1.

**Esmailzadeh A.**, O. Dayani and M. S. Mokhtari; "Lambing season and fertility of fat-tailed ewes under an extensive production system are associated with liveweight and body condition around mating", CSIRO Publishing, *Animal Production Science*, (2009) 49(12):1086-1092. IF: 1.816 ; Quartile: Q3

Mohammad Abadi M.R., N. Askari, A. Baghizadeh, **A. Esmailzadeh**; "A directed search around caprine candidate loci provided evidence for microsatellites linkage to growth and cashmere yield in Rayini goats", *Small Ruminant Research*, Elsevier, (2009) 81:146-151. IF: 1.942; Quartile: Q2

Morris C.A.; W. S. Pitchford; N. G. Cullen; **A. Esmailzadeh**; S. M. Hickey; D. Hyndman; K. G. Dodds; A. Afolayan; A. M. Crawford and C. D. K. Bottema; "Quantitative trait loci for live animal and carcass composition traits in Jersey and Limousin back-cross finished on pasture or feedlot ", Blackwell Publishing, *Animal Genetics*, (2009) 40(5):648-654. IF: 3.169; Quartile: Q1

Mousavizadeh A.; M. R. Mohammad Abadi; A. Torabi; M. R. Nassiry; H. Ghiasi; and **A. Esmailzadeh**; "Genetic polymorphism at the growth hormone locus in Iranian Talli goats by polymerase chain reaction-single strand conformation polymorphism (PCR-SSCP)", *Iranian Journal of Biotechnology*, (2009) 7(1):51-53. IF: 1.773; Quartile: Q4

- Mokhtari, S. M., A. Rashidi and **A. Esmailizadeh**; "Estimates of genetic parameters for reproductive traits in Kermani sheep", Elsevier B.V, *Small Ruminant Research*, (2010) 88(1):27-31. IF: 1.942 ; Quartile: Q2
- Mohammadi, Y., A. Rashidi, M.S. Mokhtari, **A. Esmailizadeh**; "Quantitative genetic analysis of growth traits and Kleiber ratios in Sanjabi sheep", Elsevier B.V, *Small Ruminant Research*, (2010) 93:88-93. . IF: 1.942 ; Quartile: Q2
- Morris, C.A., C.D.K., Bottema, N.G., Cullen, S.M., Hickey, **A., Esmailizadeh**, B.D., Siebert, and W.S., Pitchford; "Quantitative trait loci for organ weights and adipose fat composition in Jersey and Limousin back-cross cattle finished on pasture or feedlot", Blackwell Publishing, *Animal Genetics*, (2010) 41(2): 589-596. IF: 3.169 ; Quartile: Q1
- Esmailizadeh, A.**; "A partial genome scan to identify quantitative trait loci affecting birthweight in Kermani sheep", Elsevier B.V, *Small Ruminant Research*, (2010) 94:73-78. IF: 1.942; Quartile: Q2
- Rashidi, A., S.Mokhtari, **A. Esmailizadeh**, M. Asadifouzi; "Genetic analysis of ewe productivity traits in Moghani sheep ", Elsevier B.V, *Small Ruminant Research*, (2011) 96:11-15. IF: 1.942; Quartile: Q2
- Javanmard, A., N.Azadzadeh, **A. Esmailizadeh**; "Mutations in bone morphogenetic protein 15 and growth differentiation factor 9 genes are associated with increased litter size in fat-tailed sheep breeds ", Springer, *Veterinary Research Communication*, (2011) 35: 157-167. IF: 2.816; Quartile: Q1
- Ahsani, M.R., M. Shamsaddinibafti, **A. Esmailizadeh**, M.R. Mohammadabadi; "Genotyping of isolates of Clostridium perfringens from vaccinated and unvaccinated sheep", Elsevier B.V, *Small Ruminant Research*, (2011) 95:65-69. IF: 1.942; Quartile: Q2
- Dayani, O., G.R., Ghorbani, **A., Esmailizadeh**; "Supplementation with whole cottonseed changes milk composition and milk fatty acid profile in dairy cows", CSIRO Publishing, *Animal Production Science*, (2011) 51:95-101. IF: 1.816; Quartile: Q3
- Esmailizadeh A.**, S.R., MiraeiAshtiani, M.S., Mokhtari, M., Asadifozi; "Growth performance of crossbred lambs and productivity of kurdi ewes as affected by the sire breed under extensive production system", *Journal of Agricultural Science and Technology*, (2011) 13: 701-708. IF: 1.462; Quartile: Q3
- Esmailizadeh A.**, Pitchford W.S., Bottema C.D.K., Cullen N.G., Hickey S.M., Siebert B.D. & Morris C.A.; "Genetic mapping of quantitative trait loci for meat quality and muscle metabolic traits in cattle", *Animal Genetics*, (2011) 42: 592-599. doi: 10.1111/j.1365-2052.2011.02197.x. IF: 3.169; Quartile: Q1

- Dashab, G.R., A. Aslaminejad, M. Nassiri, **A. Esmailzadeh**, D.A. Saghi, 2011. Analysis of genetic diversity and structure of Baluchi sheep by microsatellite markers. *Tropical and Subtropical Agroecosystems*, 14: 1047-1054. Scopus ; Quartile: Q3
- Esmailzadeh, A.**, M., Nemati, M.S., Mokhtari; “Fattening performance of purebred and crossbred lambs from fat-tailed Kurdi ewes mated to four Iranian native ram breeds”, *Tropical Animal Health and Production*, Springer Netherlands, (2011) 44:217–223. IF: 1.893; Quartile: Q2
- Esmailzadeh A.**, Baghizadeh, A., M., Ahmadizadeh; “Genetic mapping of quantitative trait loci affecting body weight on chromosome 1 in a commercial strain of Japanese quail”, *Animal Production Science*, CSIRO Publishing, Australia, (2012) 52:64–68. IF: 1.816; Quartile: Q3
- Salahi A., M., Moosanezhad Khabisi, **A., Esmailzadeh**; “Effects of pre-incubation upside-down positioning of eggs from breeder flocks with different ages on hatchability and chick quality”, CSIRO Publishing, *Animal Production Science*, CSIRO Publishing, Australia, (2012) 52, 269–275. IF: 1.816; Quartile: Q3
- Kharrati Koopaei, H., Mohammad Abadi, M.R., Ansari Mahyari, S., **Esmailzadeh, A.**, Tarang, A. R., Potki, P.; “Effect of *DGATI* variants on milk composition traits in Iranian Holstein cattle population”, *Animal Science Papers and Reports*, (2012) 30:231-239. IF: 1.078; Quartile: Q4
- Nobari, K., Nassiry, M.R. Aslaminejad, A.A., Tahmoorespur, M., **Esmailzadeh, A.**; “Effects of QTL parameters and marker density on efficiency of Haley–Knott regression interval mapping of QTL with complex traits and use of artificial neural network for prediction of the efficiency of HK method in livestock”, *Journal of Applied Animal Research*, (2012) 4:247-255. IF: 2.228; Quartile: Q4
- Sohrabi S. S., **A. Esmailzadeh**, A. Baghizadeh, H. Moradian, M. R. Mohammadabadi, N. Askari, E. Nasirifar; “Quantitative Trait Loci underlying hatching weight and growth traits in an F2 intercross between two strains of Japanese quail”. *Animal Production Science*, (2012) 52:1012-1018. IF: 1816; Quartile: Q3
- Dashab, G.R., A. Aslaminejad, M. Nassiri, **A. Esmailzadeh**, D.A. Saghi, “Quantitative trait loci for fleece traits in baluchi sheep”. *Tropical and Subtropical Agroecosystems*, (2012) 15: 445-455. Scopus; Quartile: Q3
- Nobari K., A.A. Aslaminejad, M.R. Nassiry, M.T., **A. Esmailzadeh**; “Confidence intervals obtained from different methods using simulated data and their evaluation through artificial neural network”, Indian Council of Agricultural Research, *Indian Journal of Animal Sciences*, India, (2012) 82: 1423–1428. IF: 0.344; Quartile: Q4

- Dashab, G.R., A. Aslaminejad, M. Nassiri, **A. Esmailizadeh**, G Sahana, D.A. Saghi; “Identification of quantitative trait loci for wool traits in Iranian Baluchi sheep”, Indian Council of Agricultural Research, *Indian Journal of Animal Sciences*, India, (2012) 82:1533–1538. IF: 0.344; Quartile: Q4
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- Mokhtari M, MA Fozi, Z Roudbari, A Barazandeh, MM Salari, E Mohebbinejad, **A Esmailizadeh**, Genetic and phenotypic analysis of milk yield and composition in Murciano-Granadina goats, *Journal of Dairy Research*, 2025, 6-Jan.
- Ghaffari F, E Rostamzadeh Mahdabi, MA Asadi Fozi, **A Esmailizadeh**, Genomic scanning of selection signature and key genes associated with the genetic deafness disorder in three dog breeds based on microarray data, *Modern Genetics*, 2025, 20(1), 35-45.

### **3-2. Number of articles presented at domestic conferences (with full details): 52 papers**

- Ali Esmailizadeh Koshkoiyeh, *Study of growth rate, fear response, and body temperature in two Japanese quail strains*, 4th Iranian Animal Science Congress, 2010, Iran.
- Ali Esmailizadeh Koshkoiyeh, Masoud Asadi Foozi, Mohammad Reza Mohammad Abadi, *A linear mixed model method for mapping genomic regions controlling quantitative traits in inbred populations*, 2nd National Cellular and Molecular Biology Conference, 2007-11-09, Iran.
- Ali Esmailizadeh Koshkoiyeh, Mohammad Hassan Fouladi, Mohammad Reza Mohammad Abadi, *Molecular analysis of beef tenderness using DNA technology*, 5th National Biotechnology Congress of the Islamic Republic of Iran, 2007, Iran.
- Ali Esmailizadeh Koshkoiyeh, Mohammad Reza Mohammad Abadi, Masoud Asadi Foozi, *Joint analysis of QTL experiments using a factor analytic model*, 5th National Biotechnology Congress of the Islamic Republic of Iran, 2007, Iran.
- Mohammad Hossein Ferdosi, Ali Esmailizadeh Koshkoiyeh, Masoud Asadi Foozi, Mohammad Reza Mohammad Abadi, *Integration of omics data – a key strategy for molecular analysis of quantitative traits*, 3rd National Animal Science Congress, 2008, Iran.

- Mohammad Reza Mohammad Abadi, Masoud Asadi Foozi, Ali Esmailizadeh Koshkoiyeh, *Use of ISSR markers to study genetic diversity in Kermani sheep*, 3rd National Animal Science Congress, 2008, Iran.
- Mahmoud Ahmadizadeh, Ali Esmailizadeh Koshkoiyeh, Ahmad Ayatollahi Mehrjerdi, *Study of the effects of sex and genetic group on fear response, body temperature, and growth rate in Japanese quail*, 11th Iranian Genetics Congress, 2010, Iran.
- Ahmad Reza Ghaffari Zadeh, Mehdi Eftekhari, Ali Esmailizadeh Koshkoiyeh, *Using Bayesian Information Criterion in quantitative trait loci mapping problem*, 11th Iranian Genetics Congress, 2010, Iran.
- Mohammad Reza Ahsani, Mehrdad Shamseddini, Mohammad Reza Mohammad Abadi, Ali Esmailizadeh Koshkoiyeh, Majid Ezzatkah, Mehdi Hasani Derakhshan, *Comparison of five DNA extraction methods for Clostridium bacteria*, 1st National Nano and Biotechnology Conference, 2010, Iran.
- Zahra Ebrahimi Hoseinzadeh, Mohammad Reza Mohammad Abadi, Ali Esmailizadeh Koshkoiyeh, Amin Khazri, Somayeh Gol Mohammadi, Samira Javidan, *Association of PIT1 gene with milk fat percentage in Holstein cows of Khorasan Razavi province*, 1st International and 13th Iranian Genetics Congress, 2014, Iran.
- Seyed Ali Faghih Imani, Mohammad Reza Mohammad Abadi, Ali Esmailizadeh Koshkoiyeh, Rasoul Khodabakhshzadeh, *Polymorphism study of IGFBP3 gene in Kermani sheep using PCR-SSCP*, 1st International and 13th Iranian Genetics Congress, 2014, Iran.
- Amir Hossein Jafari Darehder, Mohammad Reza Mohammad Abadi, Ali Esmailizadeh Koshkoiyeh, Ali Riahi Modvar, *Investigation of CIB4 gene expression in testis and ovary tissues of Kermani sheep*, 1st National and 13th Iranian Genetics Congress, 2014, Iran.
- Rasoul Khodabakhshzadeh, Mohammad Reza Mohammad Abadi, Ali Esmailizadeh Koshkoiyeh, Hossein Moradi Shahrababak, Sepideh Ansari Namin, *Study of mutations in the first half of exon 2 of GDF9 gene in Lori-Bakhtiari sheep*, 6th Iranian Animal Science Congress, Tabriz, 2014, Iran.
- Rasoul Khodabakhshzadeh, Mohammad Reza Mohammad Abadi, Ali Esmailizadeh Koshkoiyeh, Hossein Moradi Shahrababak, Sepideh Ansari Namin, *Study of mutations in the second half of exon 2 of GDF9 gene in Lori-Bakhtiari sheep*, 6th Iranian Animal Science Congress, Tabriz, 2014, Iran.
- Mehrdad Ghasemi Mimandi, Mohammad Reza Mohammad Abadi, Ali Esmailizadeh Koshkoiyeh, *Genetic diversity of camels in Shahr-e Babak and Ravar counties using microsatellite markers*, 4th National Conference on Agriculture, Fisheries and Food, December 13-14, 1393, Bushehr, 1393, Iran.

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- Sepideh Ansari Namin, Masoud Asadi Foozi, Ali Esmailizadeh Koshkoiyeh, Rasoul Khodabakhshzadeh, *Genetic analysis of somatic cell count at different milk production levels in Iranian Holstein cows using test-day records*, 6th Iranian Animal Science Congress, June 5, 1393, Iran.
- Ali Esmailizadeh Koshkoiyeh, *Molecular analysis of quantitative traits and QTL mapping in domestic animals: current status and future prospects of genomic studies in Iran*, 5th Iranian Animal Science Congress, 1391, Iran.
- Mohammad Azarnoush, Ali Esmailizadeh Koshkoiyeh, Saeed Sohrabi Shobijreh, Hassan Moradian, Saghar Shamseddini Lori, *Identification and investigation of single nucleotide polymorphism of beta-3 transforming growth factor gene in Japanese quail using PCR-RFLP technique*, 12th Iranian Genetics Congress, 1391, Iran.
- Morteza Hadizadeh Abbasabadi, Mohammad Reza Mohammad Abadi, Ali Niazi, Ali Esmailizadeh Koshkoiyeh, Yasser Mehdi Zadeh, *Polymorphism of exon 2 of GDF9 gene and its association with multiple birth in Talli and Beitoool goats*, 12th Iranian Genetics Congress, 1391, Iran.
- Mansoureh Rajaei Nejad, Ahmad Ayatollahi Mehrjerdi, Ali Esmailizadeh Koshkoiyeh, *Investigation of BMP15 gene polymorphism in Romanov and Lori-Bakhtiari crossbred sheep using PCR-SSCP method*, 6th Iranian Animal Science Congress, 1393, Iran.
- Mehrdad Ghasemi Mimandi, Mohammad Reza Mohammad Abadi, Ali Esmailizadeh Koshkoiyeh, Mahdieh Montazeri, *Genetic diversity of camels in Shahr-e Babak and Rafsanjan counties using microsatellite markers*, 1st National Conference on Agriculture, Environment and Food Security, December 12, 1393, Iran.
- Mahdieh Ziaaldini Dashtkhaki, Ali Esmailizadeh Koshkoiyeh, Masoud Asadi Foozi, Hamed Sharifi Nejad, *Investigation of leptin gene polymorphism in Rayini cashmere goats using PCR-RFLP technique*, 3rd Seminar on Livestock and Poultry Management, 1394, Iran.
- Karim Karimi, Ali Esmailizadeh Koshkoiyeh, Masoud Asadi Foozi, *Investigation of genetic conservation status in Iranian native cattle using dense single nucleotide polymorphism markers*, 3rd Seminar on Livestock and Poultry Management, 1394, Iran.

- Saeed Sohrabi Shobijreh, Ali Esmailizadeh Koshkoiyeh, Hassan Moradian, Ehsan Nasirifar, *Identification of loci affecting body asymmetry fluctuations on chromosome 1 of Japanese quail*, 3rd Seminar on Livestock and Poultry Management, 1394, Iran.
- Karim Karimi, Ali Esmailizadeh Koshkoiyeh, Masoud Asadi Foozi, Mohammad Taqi Vajed Ebrahimi, *Identification of linkage disequilibrium levels in genome of native cattle of Fars province using single nucleotide polymorphism marker data*, 1st International and 9th National Biotechnology Congress of the Islamic Republic of Iran, 1394, Iran.
- Elaheh Sanjari Benestani, Ali Esmailizadeh Koshkoiyeh, Masoud Asadi Foozi, *Investigation of myostatin gene polymorphism in Rayini cashmere goats using PCR-RFLP method*, 1st International and 4th National Conference on Environmental and Agricultural Research of Iran, 1394, Iran.
- Mehrdad Ghasemi Mimandi, Mohammad Reza Mohammad Abadi, Ali Esmailizadeh Koshkoiyeh, Mahdieh Montazeri, *Investigation of genetic distance between native camel populations of Kerman province*, 3rd National Seminar on Livestock and Poultry Management, 1394, Iran.
- Mohammad Taqi Vajed Ebrahimi, Mohammad Reza Mohammad Abadi, Ali Esmailizadeh Koshkoiyeh, *Investigation of genetic diversity in Arab sheep population using microsatellite markers*, 3rd National Seminar on Livestock and Poultry Management, 1394, Iran.
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- Mohammad Taqi Vajed Ebrahimi, Mohammad Reza Mohammad Abadi, Ali Esmailizadeh Koshkoiyeh, Karim Karimi, *Analysis of genetic diversity in Kermani sheep using microsatellite markers*, 1st International and 9th National Biotechnology Congress of Iran, 1394, Iran.
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- Mansoureh Rajaei Nejad, Ahmad Ayatollahi Mehrjerdi, Ali Esmailizadeh Koshkoiyeh, Omid Alipour, *Three-dimensional structure of BMP15 gene protein sequence in Romanov\_Kermani crossbreeds*, 3rd National Seminar on Livestock and Poultry Management, 1394, Iran.
- Mahdieh Montazeri, Masoud Asadi Foozi, Ali Esmailizadeh Koshkoiyeh, Mehrdad Ghasemi Mimandi, *Genome-wide scan of Australian sheep population to identify regions under selection*, 3rd National Seminar on Livestock and Poultry Management, 1394, Iran.
- Zahra Ali Jafari, Ali Esmailizadeh Koshkoiyeh, Mehdi Eftekhari, *Modeling milk production curve in Holstein dairy cows using genetic algorithm*, 7th Iranian Animal Science Congress, 1395, Iran.
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- Karim Karimi, Ali Esmailizadeh Koshkoiyeh, Masoud Asadi Foozi, *Molecular variance decomposition of single nucleotide polymorphism marker data in Iranian native cattle*, 7th Iranian Animal Science Congress, 1395, Iran.
- Mohammad Dadpasand, Esmail Ebrahimi, Hamed Kharrati Koopaei, Ali Niazi, Ali Esmailizadeh Koshkoiyeh, *Phylogenetic and genetic structure analysis of native chicken populations at different altitudes using NGS data*, 7th Iranian Animal Science Congress, 1395, Iran.
- Fariba Mehranpour, Ali Esmailizadeh Koshkoiyeh, Mehdi Eftekhari, Masoud Asadi Foozi, *Modeling relationship between milk yield and milk composition in Holstein dairy cows using artificial neural network*, 7th Iranian Animal Science Congress, 1395, Iran.
- Fariba Mehranpour, Ali Esmailizadeh Koshkoiyeh, Mehdi Eftekhari, Masoud Asadi Foozi, *Modeling relationship between milk yield and milk composition in Holstein dairy cows using genetic algorithm*, 7th Iranian Animal Science Congress, 1395, Iran.
- Mahdieh Montazeri, Masoud Asadi Foozi, Ali Esmailizadeh Koshkoiyeh, *Genomic exploration of population differentiation in Australian Merino sheep*, 7th Iranian Animal Science Congress, 1395, Iran.
- Hamed Kharrati Koopaei, Mohammad Dadpasand, Esmail Ebrahimi, Ali Niazi, Ali Esmailizadeh Koshkoiyeh, Reza Panahi, Hassan Giyahi, *Gene network analysis for investigating brain damage under hypoxia using animal model*, 2nd International and 10th Biotechnology Congress of Iran, 1396, Iran.
- Hamed Kharrati Koopaei, Mohammad Dadpasand, Esmail Ebrahimi, Ali Niazi, Ali Esmailizadeh Koshkoiyeh, *Identification of genetic variants between Aryan line and*

*Khazak chicken population to describe immunity and growth-related genomic traits*, 2nd International and 10th Biotechnology Congress of Iran, 1396, Iran.

- Seyed Ali Mostafavi, Masoud Asadi Foozi, Ali Esmailizadeh Koshkoiyeh, Iman Moazemi, *Allelic polymorphism study of LCORL gene in various horse breeds*, 2nd National Horse Industry Conference, 1397, Iran.
- Iman Moazemi, Ali Esmailizadeh Koshkoiyeh, Mohammad Reza Mohammad Abadi, Seyed Ali Mostafavi, *Polymorphism study of DMRT3 gene in various horse breeds*, 2nd National Horse Industry Conference, 1397, Iran.
- Roghayeh Jabbari Ori, Jalil Shoja Ghyas, Karim Hasanpour, Ali Esmailizadeh Koshkoiyeh, Abbas Rafat, *Transcriptome analysis of cold-induced ascites syndrome in broiler chickens*, 8th Iranian Animal Science Congress, 1397, Iran.
- Roghayeh Jabbari Ori, Jalil Shoja Ghyas, Ali Esmailizadeh Koshkoiyeh, Abbas Rafat, Karim Hasanpour, *Investigation of biochemical parameter changes in broiler chickens raised under cold stress to induce ascites*, 8th Iranian Animal Science Congress, 1397, Iran.
- Mohammad Dadpasand, Hamed Kharrati Koopaei, Esmail Ebrahimi, Ali Niazi, Ali Esmailizadeh Koshkoiyeh, Reza Panahi, *Role of mt-DNA variants in adaptation to hypoxic conditions in native chickens*, 8th Iranian Animal Science Congress, 1397, Iran.
- Ali Esmailizadeh Koshkoiyeh, *Keynote Lecture: Domestication process and genome evolution in animals*, 8th Iranian Animal Science Congress, 1397, Iran.
- Mohammad Ali Ferehushi, Mohammad Reza Mohammad Abadi, Mehdi Mansouri Babehutki, Ali Esmailizadeh Koshkoiyeh, *Myogenin gene expression*, 6th National Conference on Livestock Health Management, 1398, Iran.
- Abdol Mohammad Sedaghatfard, Maryam Karami, Masoud Saki Hosseini, Arash Javanmard, Ali Esmailizadeh Koshkoiyeh, Seyed Abbas Rafat, *Investigation of interactions between genes affecting pulmonary arterial pressure increase in broiler chickens*, 1st National Conference on Modern Research in Biological Sciences, 1400, Iran.
- Ali Esmailizadeh Koshkoiyeh, *Nutritional stresses and heritability over genome in domestic animals*, 1st National Conference on Livestock and Poultry Feed Additives with Focus on Environmental Stresses, 1400, Iran.
- Mohammad Dadpasand, Hamed Kharrati Koopaei, Ali Esmailizadeh Koshkoiyeh, *Identification of high-density genetic variant regions associated with hypoxia in native chicken genome*, 9th National and 1st International Iranian Animal Science Congress, 1400, Iran.

#### 4-2. Number of articles presented at international conferences (with full details): 19 articles

- Bottema, C.D.K., Esmailizadeh, A. K., Cullen, N.G., Morris, C.A., Crawford, A.M., Pitchford, W.S., *A genome scan to identify chromosomal regions influencing Bovine coat color*, 29th International Conference on Animal Genetics, September 11-16, Tokyo, Japan, 2004.
- Esmailizadeh, A. K., *Bayesian model averaging as a robust method for gene mapping*, The first congress on animal science, Tehran University, Iran, 2004.
- Esmailizadeh, A. K., Pitchford, W.S., Bottema, C.D.K., Kruk, Z.A., Morris, C.A., Cullen, N.G., Crawford, A.M., *Association of the exon 9 single-nucleotide polymorphism of capn1 with beef tenderness*, Association for the Advancement of Animal Breeding and Genetics, Proceedings of the Sixteenth Conference, Noosa, Queensland, Australia, 2005.
- Esmailizadeh, A. K., Pitchford, W.S., Cullen, N.G., Morris, C.A., Crawford, A.M., Bottema, C.D.K., *Bovine gene mapping*, Proceedings of the 4th international Iran and Russia conference "Agriculture and Natural Resources", Sep. 8-10, ShahreKord, Iran, pp. 82-83, 2004.
- Esmailizadeh, A. K., Pitchford, W.S., Kruk, Z.A., Morris, C.A., Cullen, N.G., Crawford, A.M., Bottema, C.D.K., *QTL for meat colour and pH in Bos taurus cattle*, Association for the Advancement of Animal breeding and Genetics, Proceedings of the Sixteenth Conference, Noosa, Queensland, Australia, 2005.
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- Pitchford, W.S., Esmailizadeh A. K., Gilmour, A.R., *Combining information across traits using a factor analytic model increases the power of QTL detection*, Association for the Advancement of Animal Breeding and Genetics, Proceedings of the Seventeenth Conference, Armidale, NSW, Australia, 2007.
- Ferdosi M.H., A. K. Esmailizadeh, M. Sadeghi and A. Katanforoush, *Comparison of different software for Haplotype inference based on number of genotypes required for a specific accuracy*", 3rd Iranian Conference on Bioinformatics, 5-6 January 2010, Tehran, Iran, pp. 64.
- Forghani M.A., A. K. Esmailizadeh, *The study of influence of feeding with different levels of vitamin C on the rate of brood rearing and honey production in Apis mellifera honey bee colonies*", 41st Congress Apimondia, 15-20 September 2009, Montpellier, France.

- Ghaffarizadeh A., M. Eftekhari and A. K. Esmailizadeh, "*A novel evolutionary algorithm based method for efficient quantitative trait loci mapping*", 3rd Iranian Conference on Bioinformatics, 5-6 January 2010, Tehran, Iran, pp. 49.
- Ghaffarizadeh, A., M. Eftekhari and A.K. Esmailizadeh, "*Using bayesian information criterion in quantitative trait loci mapping problem*", 11th Iranian Genetics Congress, 22-24 May 2010, Tehran, Iran.
- Ghaffarizadeh, A., M. Eftekhari and A.K. Esmailizadeh, "*Using multi-objective evolutionary algorithm for solving quantitative trait loci mapping problem*", 11th Iranian Genetics Congress, 22-24 May 2010, Tehran, Iran.
- Esmailizadeh A.K., M. S. Mokhtari and M. Bahaaddini, "*Confirmation of quantitative trait loci on ovine chromosome 1 influencing weaning weight*", 11th Iranian Genetics Congress, 22-24 May 2010, Tehran, Iran.
- Dashab, G.R., A.A. Aslaminejad, M.R. Nasiri, A.K. Esmailizadeh, D.A. Saghi, "*Quantitative trait loci study in Baluchi sheep*", Book of Abstracts of the 62nd Annual Meeting of the European Federation of Animal Science, 29 August-2 September 2011, Stavanger, Norway.
- Dashab, G.R., A.A. Aslaminejad, M.R. Nasiri, A.K. Esmailizadeh, G. Saghi, "*Polymorphism evaluation of microsatellite DNA markers and genetic structure of Baluchi sheep*", Book of Abstracts of the 62nd Annual Meeting of the European Federation of Animal Science, 29 August-2 September 2011, Stavanger, Norway.
- Strucken, Eva; Karimi, K; Esmailizadeh, A; Moghaddar, Nasiroddin; Gondro, Cedric, "*Genetic Diversity and Effective Population Sizes of Eight Iranian Cattle Breeds*", 21st Conference of the Association for the Advancement of Animal Breeding and Genetics, 28th-30th September 2015, Lorne, Australia.
- Hamed Kharrati-Koopae, Mohammad Dadpasand, Esmaeil Ebrahimie, Ali Niazi, Ali Esmailizadeh, Fatemeh Atashi-Shirazi, "*Applying data mining algorithms to identify key variants and candidate genes for adaptation to hypoxia in Iranian indigenous chickens*", The Third International and 15th National Genetics Congress, 13-15 May 2018, Organized by Iranian Genetics Society, Tehran, Iran.
- Hadi Charati, Min-Sheng Peng, Xing-Yan Yang, Ali Esmailizadeh, Ya-Ping Zhang, "*Genetics of lactase persistence in Iranian populations*", the 1st AsiaEvo Conference, 18 to 20 April 2018, Shenzhen, China.
- Ng'ang'a S, W Li, P Savolainen, A Poyarkov, A Esmailizadeh, A Adeola, A Aldashev, D Mauki, Y Wu, G Wang, M Peng, Y Zhang, "*A mitogenomic dissection of genetic diversity and selection in the sighthound dogs*", the 1st AsiaEvo Conference, 18 to 20 April 2018, Shenzhen, China.

## 5-2. Number of Citations

Scopus: Citations: 2947, h-Index: 30

Google Scholar: Citations: 5748, h-Index: 43

## 6-2. Authored Books

- Alireza Arabpour, Zeinab Amiri Ghanatsaman, Mahdieh Montazeri, Ali Esmailizadeh Koshkoiyeh, 1396, *Statistical Computing with R and Its Applications*, Jihad Daneshgahi Publications of Kerman Province, 235 pages.

## 7-2. Translated Books

- Mohammad Reza Mohammadabadi, Amin Baqizadeh, Fatemeh Al-Sadat Hosseini, Ali Esmailizadeh Koshkoiyeh, 1387, *Molecular Biology Technologies*, Private Publications Kerman, 403 pages.

## 3. Completed Research Projects: 11 projects

- **Collaborator** in National Project on Native Sheep Crossbreeding (1380-1381), PI: Seyed Reza Miraei Ashtiani, Final Report, University of Tehran.
- **PI** of "Effects of Flushing on Reproductive Performance of Kurdi Sheep" (1378-1380), Final Report, Ilam University.
- **PI** of "Phenotypic and Genotypic Characteristics of Kurdi Sheep in Ilam Province" (1378-1381), Final Report, Ilam University.
- **PI** of "Effects of Crossbreeding on Feed Efficiency and Carcass Quality of Kurdi Lambs" (1380-1381), Final Report and Article Publication, Ilam University.
- **PI** of "Efficiency of Factor Analytic Model in Detecting Pleiotropic Genes" (1388), Final Research Report and Article Publication, Shahid Bahonar University of Kerman.
- **PI** of "Mapping Genomic Regions Associated with Economic Traits in Japanese Quail" (1387-1390), Final Research Report and Article Publication, International Center for Advanced Studies and Environmental Sciences, Kerman.
- **PI** of "Analysis of Chromosome 1 Molecular Markers for Identifying Genomic Regions Affecting Japanese Quail Carcass Traits" (1389), Final Research Report and Article Publication, Shahid Bahonar University of Kerman.
- **Collaborator** in "Genetic Mapping of Growth-Control Gene Loci in Lori-Bakhtiari Sheep" (1389), Final Research Report and Article Publication, Shahid Bahonar University of Kerman.

- **PI** of "Genomic Analysis of Fars Native Chicken Population Using Next-Generation Sequencing Technologies" (1395-1396), Final Research Report and Article Publication, Center for International Scientific Studies and Collaborations, Ministry of Science.
- **PI** of "Development of DNA-Based Kit to Improve Reproductive Efficiency in Native Sheep" (1391-1395), Five-Year Technology Project for Useful Science Production and Knowledge-Based Development, Shahid Bahonar University of Kerman, Final Report and Technological Application.
- **PI** of "Population Structure Inference and Phylogenetic Relationships of Native Chicken Populations for Conservation Strategies" (1401-1402), Final Research Report and Article Publication, Center for International Scientific Studies and Collaborations, Ministry of Science.
- **PI** of "Molecular Description of Native Sheep from Russia and Iranian Plateau" (1400-1403), Final Research Report and Article Publication, International Project by INSF (Iran) and RFBR (Russia).
- **Supervisor** of Postdoctoral Project "Identification of Genetic Variants Specific to Iranian Native Chicken Ecotypes for Breeding Potential and Genetic Conservation Assessment", Researcher: Dr. Hamed Kharrati Koopaei (1400-1401), Final Report and Article Publication, INSF.

#### **4-Domestic Scientific Awards**

- Top Researcher in Agriculture at Shahid Bahonar University of Kerman, 1390
- Selected Scientific Speaker, 6th National Biotechnology Congress of Iran
- Best Research Award, Faculty of Agriculture, Shahid Bahonar University of Kerman, 1390
- Top Researcher in Agriculture at Shahid Bahonar University of Kerman, 1391
- Exemplary Researcher of Kerman Province, 1391
- Top Researcher at Shahid Bahonar University of Kerman, 1394
- Exemplary Researcher of Kerman Province, 1397
- Exemplary Researcher at Shahid Bahonar University of Kerman, 1398
- Exemplary Educational Professor at Shahid Bahonar University of Kerman, 1400
- Exemplary International Researcher at Shahid Bahonar University of Kerman, 1401
- Top Researcher at Shahid Bahonar University of Kerman, 1403
- Top Researcher at Shahid Bahonar University of Kerman, 1404

## **5-International Scientific Awards**

- Research Fellowship from Chinese Academy of Sciences, 1395
- Research Fellowship from Chinese Academy of Sciences, 1404
- Belt and Road Innovative Talent Exchange Foreign Experts Project, Jan-Dec 2022, Inner Mongolia Academy of Agricultural and Animal Husbandry Science, Ministry of Science and Technology of China (Beijing)
- Belt and Road Innovative Talent Exchange Foreign Experts Project, Jan-Dec 2020, Ministry of Science and Technology of China (Beijing).

## **6-Executive and Academic Responsibilities**

### **1-6 Key Positions Held**

- Member of Animal Science Specialized Committee, Ministry of Science, Research and Technology (1397-1401)
- Faculty Member, Department of Animal Science, Ilam University (1377-1381): Taught Basic Genetics, Animal Genetics and Breeding, Experimental Design in Agriculture, Applied Statistics and Probability in Animal Husbandry, Dairy Cow Management [ppl-ai-file-upload.s3.amazonaws](#)
- Faculty Member, Department of Animal Science, Shahid Bahonar University of Kerman (1385-present): Taught English for MSc Animal Science Students, Molecular Genetics and Genetic Engineering, Molecular Analysis of Quantitative Traits, Animal Husbandry Experimental Design, Advanced Statistical Methods in Animal Science, Advanced Quantitative Genetics, Population Genetics, Genomic Evaluation [ppl-ai-file-upload.s3.amazonaws](#)
- Head of Livestock Research Stations, Ilam University (1378-1381)
- Head of Livestock Research Stations, Shahid Bahonar University of Kerman (1386-Oct 1389)
- Head of Novel Technologies Core in Livestock Product Production and Processing (1387-Mar 1389)
- Head of Animal Science Department, Shahid Bahonar University of Kerman (Oct 1389-Nov 1393)
- CEO, Karmania Novin Sanat Dam Company (Knowledge-Based Company specializing in livestock and poultry services, consulting, and production)
- Established PhD program in Animal Genetics and Breeding, Shahid Bahonar University of Kerman

- Cultural Liaison and Industry Relations, Faculty of Agriculture, Shahid Bahonar University of Kerman (1386-1390)
- Member of Specialized Committee for Animal Science, Agricultural Economics and Food Industries, Shahid Bahonar University of Kerman (1399-present)[ppl-ai-file-upload.s3.amazonaws.com](https://ppl-ai-file-upload.s3.amazonaws.com)
- 3-day workshop on "Basics and Methods of Statistical Analysis in QTL Decomposition" (1389), Agricultural Biotechnology Branch - North Region
- Workshop on "Genomic Data Analysis", Shahid Bahonar University of Kerman, Sep 1392
- Workshop on "Population Structure and Genetic Diversity Analysis in Animal Populations Using Pedigree Analysis", Shahid Bahonar University of Kerman, Sep 1392
- Workshop on "Introductory Statistical Methods for Genetic Data Analysis Using R Software", Shahid Bahonar University of Kerman, Sep 1392
- Workshop on "Regression Methods and Generalized Linear Models (GLM) in Animal Breeding Using R", Shahid Bahonar University of Kerman, Sep 1392
- 2-day workshop on "Whole Genome Sequencing Data Analysis Using Next-Generation Sequencing (NGS)", Nov 1398, Razi Vaccine and Serum Research Institute, Mashhad
- Workshop on "Introduction to Next-Generation Whole Genome Sequencing (NGS) Methods", Dec 1400, Razi Vaccine and Serum Research Institute, Karaj.

### **2-6 Key Contributions**

- Founded and equipped "Animal, Poultry and Aquaculture Biotechnology Laboratory" at Shahid Bahonar University of Kerman, 1389.
- Established English-language specialized journal *Journal of Livestock Science and Technologies* in collaboration with Iranian Animal Science Society and Shahid Bahonar University of Kerman (currently Scopus-indexed).

### **3-6 Professional Memberships and Editorial Roles**

- Member, Iranian Animal Science Society
- Member, Iranian Genetics Society
- Editorial Board/Reviewer: *Iranian Journal of Animal Science*, *Modern Genetics*, *Iranian Journal of Animal Science Research*, *Animal Production*
- Editorial Board Member: *Animal Production* (University of Tehran), *Iranian Journal of Animal Science* (University of Tehran)

- Member, Iranian Agricultural Engineering Organization
- National Standards Organization of Iran, Expert in Livestock and Agricultural Products
- Reviewers: *Animal Genetics, Animal, Genomics, Frontiers in Genetics, Animal Biotechnology*
- Associate Editor, *Journal of Livestock Science and Technologies* (Scopus-indexed).

#### **4-6 International Academy Collaborations**

- Close collaboration with Chinese Academy of Sciences since 1393, including joint research projects, graduate student exchanges, PhD/postdoctoral scholarships. Joint publications listed in articles section
- Foreign Member, Russian Academy of Sciences, since 1404.

### **7-Student Supervision**

#### **1-7 PhD Students**

- Supervised: 12 students (9 completed, 3 ongoing)
- Consulted: 11 students (8 completed, 3 ongoing)

#### **2-7 MSc Students**

- Supervised: 40 students (38 completed, 2 ongoing)
- Consulted: 58 students (55 completed, 3 ongoing)

### **8-Researcher IDs**

- **Scopus Author ID:** 24279258300
- **ISI Researcher ID:** N-9005-2016
- **ORCID:** 0000-0003-0986-6639
- **Google Scholar:** <https://scholar.google.com/citations?user=xx1fargAAAAJ&hl=en>

### **9- Additional Information**

**a. Executive Responsibilities:** None

#### **b. International Scientific Collaborations:**

- State Key Laboratory of Genetic Resources and Evolution, Yunnan Laboratory of Molecular Biology of Domestic Animals, Kunming Institute of Zoology, Chinese Academy of Sciences, Kunming, Yunnan, China
- China Agricultural University, Beijing, China

- Institute of Animal Husbandry, Biotechnology and Nature Conservation, University of Debrecen, Debrecen, Hungary
- L.K. Ernst Federal Science Center for Animal Husbandry, 142132 Moscow, Russia.

#### **c. Domestic Scientific Collaborations**

- Tabriz University, Kurdistan University, Jiroft University, National Animal Science Research Institute, Graduate University of Advanced Technology Kerman, University of Tehran

#### **d. Collaborations with Executive Institutions**

- National Center for Livestock Management and Breeding Improvement, Kerman Province Jihad Agriculture Organization, National Livestock Research Institute, Kerman Province Nomads Affairs Organization, Kerman Province Dairy Farmers Union.

### **10. Additional Information**

#### **Membership in International Animal Genomics Consortia:**

- **AdaptMap Consortium:** International initiatives on goat genetics and genomics. *AdaptMap: exploring goat diversity and adaptation.*  
<https://gsejournal.biomedcentral.com/articles/10.1186/s12711-018-0427-5>
- 1. **Chicken2K:** A Database for Global Chicken Genomic Resources.  
<http://chicken.ynau.edu.cn/index/about/index.html#section4>