Curriculum Vitae

Personal Information:

Name: Alireza Ehsani
Home Address: No. 44,unit 4, west Shahrokh St., Golha St. , Fatemi Sq., Tehran-Iran.
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Education:

PhD (2013): Molecular Biology and Genetics from Aarhus University-Denmark, June 2013.

M.Sc. (2006): Animal Breeding and Genetics, from Zanjan University, Zanjan-Iran

B.Sc. (1999): Animal Science, from Kurdistan University, Sanandaj-Iran.

Thesis:

PhD: Integrative Genomic Analysis of Complex Traits. June 6, 2013.
PhD supervisors:
 1- Luc Janss, Luc.Janss@agrsci.dk
2- Peter Sørensen Peter.Sorensen@agrsci.dk
3- Mogens Sundo Lund mogens.lund@agrsci.dk

M.Sc.: Estimation of genetic and environmental trend of body weight traits in Kordi sheep. March 2006

Teaching:

Master courses:
- Animal Breeding schemes,
- Linear Models in Animal Breeding,
- Quantitative Genetics,
- Statistical inferences and probability in animal science,

PhD courses:

- Introduction to R programming and its application in animal breeding and genetics
- Linear models and Bayesian methodology
- Estimation of Variance Components in Animal Breeding
- QTL mapping, MAS and Genomic selection

- **Emloyement**

1- PhD student in Aarhus university from Nov. 2008 to January 2013.
2- Research assistant in Aarhus university from March 2013 to Jun 2013.
3- Assistant professor in animal science department, Tarbiat Modares University, Tehran-Iran. Since September 2013.

Publications:

[1] **Ehsani A.**, P. Sørensen, D. Pomp, M. Allan, and L. Janss, "Inferring genetic architecture of complex traits using Bayesian integrative analysis of genome and transcriptome data.," *BMC genomics*, vol. 13, no. 1, p. 456, Sep. 2012.

[2] M. Norouzi Ebdalabadi, R. Valizadah, A.H. Moussavi, M. Danesh Mesgaran, M. Tahmoorespour, **A. Ehsani**. "Effects of timing to start lipogenic diet on productive and reproductive responses in periparturient dairy cows". Livestock Science 162 (2014) 104–114

[3] **Ehsani A.**, L. Janss, D. Pomp, and P. Sørensen, "Omic Partitioning of Complex Traits: by Variance Components Analysis Using Bayesian Variable Selection Models," *4th International Conference on Quantitative Genetics*, 2012, p. 198.

[4] **Ehsani A.**, L. Janss, and O. F. Christensen, "Exploring trend of bias to prediction of genomic breeding values using Bayesian variable selection in the populations undergoing selection," *EAAP 62th annual Meeting*, 2011, p. 416.

[5] **Ehsani A.**, Janss L., O.F. Kristiensen, "Effects of Selective Genotyping on Genomic Prediction," *9th World Congress on Genetics Applied to Livestock Production*, 2010, p. 145.

[6] H ,Emamgholi Begli , R. Vaez Torshizia, A. A. Masoudi and **A. Ehsani, "**The Effect of Egg Weight, Age and Sex on Growth and Feed Efficiency Traits in an F2 Chickens", *6th Iranian congress in animal science*, 2014, no. 866.

[7] N. Fadaie1, R. Vaez Torshizi, and **A. Ehsani, "**The Effects of Residual Feed Intake on Shank and Tibia quality in an F2 Chickens", *6th Iranian congress in animal science*, 2014, no. 1062.

[8]   M. Farahi, A. Masoudi**,** and **A. Ehsani, "**Evaluation of mitochondrial COX I polymorphisms in Iranian native and commercial roosters", *6th Iranian congress in animal science*, 2014, no. 1031.

[9]   M. Farahi, A. Masoudi, **A. Ehsani**, A. Kamali**, "**An investigation on fertility trends using sperm characteristics in Iranian commercial and Native roosters", *6th Iranian congress in animal science*, 2014, no. 1252.

Courses:

1- PhD course: Statistical methods in animal breeding. 17/03/2009-26/03/2009 with Prof. Steve Kachman
2- PhD course: Design and Optimization of animal breeding strategies.15/06/2009-26/06/2009 with Prof. John van Arendock
3- statistical analysis of gene expression data with R and Bioconductor. 17/08/2009-21/08/2009
4- PhD course: Linear Models in Animal breeding. 06/06/2010-18/06/2010 with Prof. Larry Schafer.
5- PhD course: Expression analysis of array and NGS Data using R and Bioconductor. 27/01/2011-04/02/2011
6- PhD course: Intruduction to Machine Learning and Nonparametric Methods for Genomic Enabled Analysis of Complex traits. 05/04/2011-13/04/2011 with Prof. Daniel Gianola and Dr. Gustavo De Los Campos
7- PhD course: Programming in Animal Breeding. 30/05/2011-03/06/2011
8- Quantitative Genetics with integration of Genomic Selection. 01/08/2011-12/08/2011 with Dr. Ben Hayes
9- PhD course: R Programming in biological science (February 2010), by Dr. Soren Hojgaard

references:

1- Dr **Peter Sørensen**, Aarhus university-Denmark, pso@mbg.au.dk
2- Dr **Luc Janss**, Aarhus University-Denmark, luc.janss@agrsci.dk
3- Dr **Bernt Gulbrandtsen,** Aarhus University-Denmark, Bernt.Guldbrandtsen@agrsci.dk

Computer skills:
R Programming, DMU, PLINK, and Linux operational system. Microsoft Packages.