



**TAGEM**  
R&D AND INNOVATION

INTERNATIONAL CENTER FOR LIVESTOCK  
RESEARCH AND TRAINING/ ANKARA

## SENEM ESIN SELCUK, PhD. Biologist

### EDUCATION

- PhD.** 2015-2023  
Ankara University Graduate School of Natural and Applied Sciences Department of Molecular Biology
- MSc.** 2005-2008  
Ankara University Graduate School of Natural and Applied Sciences Department of Molecular Biology
- BSc.** 2000-2005  
Ankara University Faculty of Science Department of Biology

**LANGUAGE** English

### CAREER

- 2014-Ongoing – Researcher, International Center for Livestock Research and Training - ANKARA

### ABOUT ME

I was born in Ankara in 1983. I graduated from Ankara University, Faculty of Science, Department of Biology in 2005.

I completed my master's degree and PhD program at Ankara University, Graduate School Natural and Applied Sciences, Department of Molecular Biology in 2008 and 2023, respectively.

### CONTACT



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**SENEM ESIN SELCUK, PhD.**  
**Biologist**



▪ **PROJECTS**

▪ **Projects Conducted**

1. Determination of Genes Affecting Mohair Development in Angora Goats by RNA Sequencing (RNAseq) Method
2. Genomic Characterization of Angora Goats of Different Genotypes.

▪ **Ongoing Projects**

1. Comparative Genomic Characterization of Akkaraman Varieties and Some Other Local Sheep Breeds with SNP Panel

▪ **Completed Projects**

1. Development of Genetic Diagnostic Kit for Breeder Selection in terms of Growth and Milk Production Traits in Anatolian Buffaloes.
2. Determination of the Effects of Different Feeding Numbers on Cocoon Quality, Yield and Viability in Commercial Hybrid (M×N) Silkworm Cultivation.



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### ▪ **PUBLICATIONS**

#### ▪ **INTERNATIONAL ARTICLES AND PAPERS**

##### ▪ **Articles Published in International Journals**

1. Selcuk, S.E., Colak, R., Olgun Karacan, G., Colak, E. Population Structure of Edible Dormouse, *Glis glis* (Linnaeus, 1766) in Turkey, Inferred from RAPD-PCR. Acta Zool. Bulg. 64 (1): 77-83 (2012) (SCIExp).

##### ▪ **International Papers, Seminars, etc.**

1. Selcuk, S.E., Unlusoy, I, Toprak, B, Akkurt, M.Y., Akcay, A., Korkmaz, F. Case Study: Chimerism Observed in a Stud Bull. 1<sup>st</sup> International Livestock Science Congress (1<sup>st</sup> ILSC), 31 October – 2 November 2019, Antalya/ Turkey (Verbal presentation).

#### ▪ **NATIONAL ARTICLES AND PAPERS**

##### ▪ **Articles Published in National Journals**

1. Selcuk, S.E., Ozmen, O., Colak, R. 2023. Molecular Mechanisms Affecting Development of Animal Fibers and Some Studies on Goats. Livestock Studies, 63, 030-038. <http://doi.org/10.46897/livestockstudies.1324929>.

##### ▪ **National Papers, Seminars, etc.**

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### ▪ **OTHER PUBLICATIONS**

#### ▪ **Ph.D. Thesis, Master Thesis, Reports, Books etc.**

1. Selcuk, S.E., Colak, R., Olgun Karacan, G., Colak, E. Population Structure of Edible Dormouse, *Glis glis* (Linnaeus, 1766) in Turkey, Inferred from RAPD-PCR. Acta Zool. Bulg. 64 (1): 77-83 (2012) (SCIExp).



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### ▪ Membership, Training, Course, Meeting, Congress, Symposium and Other Activities

2. Karaman, K., Selcuk, S.E., Ozmen, O. 2022. Comparison of MS2 RNA Carrier Influence for Milk microRNA Isolation. 6<sup>th</sup> International Congress on Domestic Animal Breeding, Genetics and Husbandry-2022 (ICABGEH-22) (Sözlü sunum).
3. Ozmen, O. Kaya, B., Karaman, K., Selcuk, S.E. 2022. Identification of Hub Genes and miRNAs Linked to Bovine Subclinical *Staphylococcus aureus* Mastitis Using Bioinformatics Analyses. 6<sup>th</sup> International Congress on Domestic Animal Breeding, Genetics and Husbandry-2022 (ICABGEH-22) (Poster sunumu).
4. Selcuk, S.E., Ozmen, O., Colak, R. Omics Technologies and Some Omics Approaches in Livestock. 2021. 2<sup>nd</sup> International Livestock Science Congress (2<sup>nd</sup> ILSC), 28.10-30.10.2021, Antalya/Türkiye (Poster sunumu).
5. Bioinfocongress, Certificate of Attendance, 24-26 September 2021.
6. 3<sup>rd</sup> Bioenergy Studies Symposium, Certificate of Participation, 20-21 May 2021.
7. Unlusoy, I., Selcuk, S.E., Ertem, T.B. The Technology of DNA Microarray. 1<sup>st</sup> International Livestock Science Congress (1<sup>st</sup> ILSC), 31 October – 2 November 2019, Antalya/ Turkey (Poster presentation).
8. Ertem, T.B., Kaya, A., Unlusoy, I., Selcuk, S.E. Relationship Between Free Radicals, Oxidative Stress and Antioxidant in Embryo Cells. 1<sup>st</sup> International Livestock Science Congress (1<sup>st</sup> ILSC), 31 October-02 November 2019-, Antalya/ Turkey (Poster presentation).
9. Republic of Turkey Ministry of Food, Agriculture and Livestock Certificate Training of Experimental Animals/2015.
10. Hacettepe University Faculty of Education Pedagogical Formation Education Certificate Program/ 2014.
11. Analysis of Edible Dormouse, *Glis glis* (Linnaeus, 1766) (Rodentia: Gliridae) Populations Distributed in Turkey by RAPD-PCR. 8<sup>th</sup> National Ecology and Environment Congress. Abstract book (p:19) p:122. 20-23 October 2008, Kyrenia/TRNC (Poster presentation).