



**TAGEM**  
R&D AND INNOVATION

## HALİL OZANCAN ARSLAN, Dr. Veterinarian

### EDUCATION

- PhD** 2016-2019 University of Zurich  
Vetsuisse Faculty
- Bachelor's Degree** 2009-2014 Kırıkkale University  
Faculty of Veterinary Medicine

### CAREER


- 2019 - ....., Dr. Veterinarian, Republic of Türkiye Ministry of Agriculture and Forestry International Center for Livestock Research and Training, Lalahan - ANKARA/TURKIYE
- 2018 – 2019, Researcher, AgroVet- Strickhof Research and Development Center – ESCHIKON/SWITZERLAND
- 2016 – 2019, PhD Student , Department of Farm Animal Reproduction Assisted Reproductive Techniques, University of Zurich, ZURICH/SWITZERLAND
- 2013-2013, Student, Faculty of Veterinary Hygiene and Ecology, Brno/CZECHIA
- 2012-2012, Student, Faculty of Veterinary Hygiene and Ecology, Brno/CZECHIA

### ABOUT ME

He was born in 1991 in Ankara. In 2014, he graduated from Kırıkkale University Faculty of Veterinary Medicine.

He completed his doctorate in the Department of Farm Animals, Faculty of Veterinary Medicine University of Zurich, where he started his professional education in 2016 (lasted for 3.5 years). He has participated many international projects such as “The effect of adding different concentrations of catalase to Tris Egg Yolk Extender on the quality and in vitro fertilization rate of frozen-thawed bull sperm”, “The effects of adding Royal Jelly to Tris egg yolk extender on chilled and frozen-thawed”.

### CONTACT

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## Veterinarian

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### PROJECTS

- Effect of adding different concentrations of catalase to a TRIS-yolk extender on quality and in vitro fertilization rate of frozen thawed bull sperm
- Effects of the addition of royal jelly and Tris-egg yolk extender on the properties of chilled and frozen thawed ram semen
- Effects of the addition of Royal Jelly and Tris-egg yolk extender on the properties of frozen and refrozen-thawed ram semen
- Effect of addition of different catalase and sodium pyruvate to TRIS-yolk extender before freezing on the quality of frozen thawed bull sperm

### Ongoing Projects

- Investigation of the Effects of Some Proteins and Antioxidants in Seminal Plasma on Sperm Quality in Locally Adapted Black Bulls (TAGEM/HAYSÜD – 2021 - ...) (**Researcher**)
- The Effect of Intravenous Glucose Administration with FSH on Superovulation and Embryo Reproduction in Holstein Cattle (TAGEM HAYSÜD- 2020- ...) (**Researcher**)

### PUBLICATIONS

#### INTERNATIONAL ARTICLES AND PAPERS

##### Articles Published in International Journals

- The ameliorative effects of boron against acrylamide-induced oxidative stress, inflammatory response, and metabolic changes in rats (Food and Chemical Toxicology, 2019; q1 Journal)
- Effects of supplementation of Tris-egg yolk extender with royal jelly on chilled and frozen-thawed ram semen characteristics (Cryobiology, 2019; q1 Journal)
- Combination of fetuin and trehalose in presence of low glycerol has beneficial effects on freeze-thawed ram sperm (Andrology, 2021; q1 Journal)
- Nanotechnology and Silver Nanoparticles (Animal Studies and Veterinary Medicine 1(5))

##### International Papers, Seminars, etc.

- Boron Ameliorates Lipid Peroxidation, Antioxidant Statue and Tissue Damage in Rats Exposed to Acrylamide (Conference: 4 th International VETIstanbul Group Congress 11-13 May 2017 Almaty/Kazakistan)
- Effects of the addition of different concentrations of catalase to TRIS-egg yolk extender before freezing on quality of frozen-thawed bull sperm (Göttingen)
- NANOTECHNOLOGY AND SILVER NANOPARTICLES, Vol.1(5), 2011, Animal Studies and Veterinary Medicine,
- Effects of supplementation of Tris-egg yolk extender with Royal Jelly on frozen- and refrozen-thawed ram semen characteristics Reproduction in Domestic Animals 56 (S1), 19-20)
- Effects of the addition of different concentrations of catalase and sodium pyruvate to TRIS egg yolk extender before freezing on quality of frozen-thawed bull sperm (Reproduction in Domestic Animals 56 (S1), 18-18)
- The addition of glycerol and trehalose on cryopreserved goat sperm (International Congress on Biological and Health Sciences)
- Effect of the addition of different catalase concentrations to aTRIS-egg yolk extender on quality of frozen-thawed bull sperm (AgroVet Strickhof Conference)



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### OTHER PUBLICATIONS

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

Effect of the addition of different catalase concentrations to a TRIS-egg yolk extender on quality and in vitro fertilization rate of frozen-thawed bull sperm (Ph.D Thesis)

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

1. " **Artificial Insemination with Recto-Vaginal Method in Cattle** " course (12-16 April 2021) – ERZINCAN Directorate of Provincial Agriculture and Forestry, ERZINCAN/TURKIYE (Trainer)
2. " **Training of Trainers of Artificial Insemination and Pedigree Legislation** " course (1-5 November 2021) – NUKUS/UZBEKISTAN (Trainer)
3. " **Training of Trainers of Artificial Insemination and Pedigree Legislation** " course (8-12 November 2021) – ANDIJAN/UZBEKISTAN (Trainer)
4. " **Training of Trainers of Artificial Insemination and Pedigree Legislation** " course (15-19 November 2021) – TASHKENT/UZBEKISTAN (Trainer)
5. " **Certificate for Use of Experimental Animals** " course (2021) (Trainee)