

## Asst. Prof. Eser Akal

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: ABD-6435-2020

ScopusID: 55812953400

Yoksis Researcher ID: 161539

### Education Information

Doctorate, Ondokuz Mayıs University, Sağlık Bilimleri Enstitüsü, Dölerme Ve Suni Tohumlama (Dr), Turkey 2007 - 2014

Undergraduate, Ankara University, Veteriner Fakültesi, Veteriner Pr., Turkey 2002 - 2007

Undergraduate, Ankara University, Veteriner Fakültesi, Veteriner Pr., Turkey 2002 - 2007

### Research Areas

Veterinary Reproduction and Artificial Insemination

### Academic Titles / Tasks

Assistant Professor, Ondokuz Mayıs University, Veteriner Fakültesi, Klinik Bilimler Bölümü, 2014 - Continues

### Courses

Klinik Uygulama III, Undergraduate, 2015 - 2016

Kaynak Tarama ve Bilimsel Yenilikler, Postgraduate, 2015 - 2016

Gametogenesis, Fertilizasyon ve İmplantasyon, Postgraduate, 2015 - 2016

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The use of a 4.7 mg deslorelin slow release implant in male dogs in the field**  
Vasetska A., Koerber H., Pilgram C., Schuler G., Aslan S., Saral G., BİNLİ F., Akal E., Selçuk M., Ay S. S., et al.  
TIERAERZTLICHE PRAXIS AUSGABE KLEINTIERE HEIMTIERE, vol.51, no.4, pp.231-241, 2023 (SCI-Expanded)
- II. **Evaluation of sperm counting accuracy on computer-assisted sperm analysis with GoldCyto® slides and glass slides**  
Akal E.  
FRONTIERS IN VETERINARY SCIENCE, vol.10, 2023 (SCI-Expanded)
- III. **Lyophilized Extender Supplemented with Rainbow Trout (*Oncorhynchus mykiss*) Seminal Plasma**

### **Improves Cryopreservation of Ram Sperm**

ÜSTÜNER B., ALÇAY S., GÖKÇE E., YILMAZ M., Aktar A., Huraydin O., DUMAN M., Onder N. T., Akal E., NUR Z. KAFKAS UNIVERSITESI VETERINER FAKULTESI DERGISI, vol.28, no.2, pp.255-260, 2022 (SCI-Expanded)

- IV. **Comparison of the effects of different thawing methods on post-thaw sperm characteristics of buffalo bull semen**  
Akal E., Selçuk M., Esin B., Akar M., Kaya C.  
THAI JOURNAL OF VETERINARY MEDICINE, vol.51, no.4, pp.697-704, 2021 (SCI-Expanded)
- V. **Comparative evaluation of the effects of different thawing methods on bull sperm characteristics with computer-assisted semen analysis**  
Selçuk M., Akal E., Esin B., NİZAM M. Y., Genc M. D.  
TURKISH JOURNAL OF VETERINARY & ANIMAL SCIENCES, vol.44, no.6, pp.1316-1321, 2020 (SCI-Expanded)
- VI. **Lycopene and resveratrol improve post-thaw bull sperm parameters: sperm motility, mitochondrial activity and DNA integrity**  
Bucak M. N., Ataman M. B., Baspınar N., Uysal O., Taspınar M., Bilgili A., Ozturk C., Gungor S., Inanc M. E., Akal E.  
ANDROLOGIA, vol.47, no.5, pp.545-552, 2015 (SCI-Expanded)
- VII. **Testicular morphology and in vitro evaluation of frozen epididymal sperm of Anatolian buffalo**  
Selçuk M., Akal E.  
ANKARA UNIVERSITESI VETERINER FAKULTESI DERGISI, vol.62, no.1, pp.51-55, 2015 (SCI-Expanded)
- VIII. **Expression of genes involved in the embryo-maternal interaction in the early-pregnant canine uterus**  
Kautz E., Gram A., Aslan S., Ay S. S., Selcuk M., Kanca H., Koldas E., Akal E., Karakas K., FINDIK M., et al.  
REPRODUCTION, no.5, pp.703-717, 2014 (SCI-Expanded)
- IX. **Effects of dried tomato pulp used as a feed ingredient in breeder roosters' diets on blood and semen antioxidant status and on some sperm parameters**  
Selcuk M., Selcuk Z., Kahraman Z., Ciftci G., Akal E.  
REVUE DE MEDECINE VETERINAIRE, vol.164, no.8-9, pp.435-442, 2013 (SCI-Expanded)

### **Articles Published in Other Journals**

- I. **Investigation of the Bacterial Microflora of Stallion Preputium**  
AKAL E., ESİN B., Sezener M. G., Ergüden V. E., FINDIK A.  
JOURNAL OF ANATOLIAN ENVIRONMENTAL AND ANIMAL SCIENCES, vol.8, no.3, pp.398-401, 2023 (Peer-Reviewed Journal)
- II. **Effect of Cryopreservation on DNA Damage and Various Sperm Parameters in the Post-Mortem Obtained Buffalo Sperm**  
AKAL E., SELCUK M.  
Kocatepe Veterinary Journal, vol.16, no.3, pp.432-438, 2023 (Peer-Reviewed Journal)
- III. **Testicular Tissue Cryopreservation Abstract:**  
KAYA C., AKAR M., AKAL E., ÇEVİK M.  
JOURNAL OF ANATOLIAN ENVIRONMENTAL AND ANIMAL SCIENCES, vol.6, no.1, pp.128-134, 2021 (Peer-Reviewed Journal)
- IV. **The Effects of Lactation and Body Condition Score Changes on Embryonic Death Rates in KWPN Maress**  
Durmaz S., POLAT İ. M., KORKMAZ Ö., Yağcı İ. P., ELİFOĞLU T. B., AKAL E., ÇELEBİ M.  
INTERNATIONAL JOURNAL OF VETERINARY AND ANIMAL RESEARCH, vol.3, no.1, pp.21-24, 2020 (Peer-Reviewed Journal)
- V. **KOYUNLARDA ÜREMENİN DENETLENMESİNDE GÜNCEL YAKLAŞIMLAR**  
AKAL E., Akdağ C.  
Hayvansal Üretim, vol.2, no.59, pp.65-75, 2018 (Peer-Reviewed Journal)
- VI. **EVCİL HAYVAN SPERMALARININ DONDURULMASINDA FARKLI KANATLI TÜRÜ YUMURTA**

## **SARILARININ KORUYUCU ETKİLERİ**

YALÇIN B., AKAL E.

Mehmet Akif Ersoy Üniversitesi Veteriner Fakültesi Dergisi, vol.2, no.1, pp.51-59, 2017 (Peer-Reviewed Journal)

### **VII. The effect of different extenders on freezing epididymal bull spermatozoa**

AKAL E., SELÇUK M., DEMİRCİ E.

Veteriner Hekimler Derneği Dergisi, vol.88, no.2, pp.68-81, 2017 (Peer-Reviewed Journal)

### **VIII. In Vitro Evaluation of Frozen Bull Sperm Thawed in The Different Systems**

SELÇUK M., AKAL E., ÇELEBİ M.

Kocatepe Veterinary Journal, vol.7, no.1, pp.33-37, 2014 (Peer-Reviewed Journal)

### **IX. Role of Low Density Lipoproteins in Semen Preservation**

AKAL E., KOÇYİĞİT A., SELÇUK M.

Kocatepe Veterinary Journal, vol.7, no.1, pp.69-74, 2014 (Peer-Reviewed Journal)

### **X. The factors induced DNA damage of spermatozoon, repair and damage detection mechanisms**

**Spermatozoon DNA'sinin hasarına neden olan faktörler, tamir ve hasar tespit mekanizmaları**

Akal E., Selçuk M.

Istanbul Üniversitesi Veteriner Fakültesi Dergisi, vol.39, no.2, pp.284-293, 2013 (Scopus)

### **XI. Spermatozoon DNA sının Hasarına Neden Olan Faktörler Tamir ve Hasar Tespit Mekanizmaları**

AKAL E., SELÇUK M.

Istanbul Üniversitesi Veteriner Fakültesi Dergisi, vol.39, no.2, pp.284-293, 2013 (Peer-Reviewed Journal)

## **Books & Book Chapters**

### **I. Mandalarda Epididimal Spermanın Eldesi ve Kriyoprezervasyonu**

AKAL E., AKAR M., KAYA C.

in: Türkiye Klinikleri - Dölerme ve Suni Tohumlama Özel Sayı, Doç. Dr. Murat SELÇUK, Editor, Türkiye Klinikleri (Ortadoğu Reklam Tanıtım Yayıncılık Turizm Eğitim İnşaat Sanayi ve Ticaret A.Ş.), Ankara, pp.16-22, 2021

### **II. Mandalarda Reprodüktif Biyoteknoloji**

AKAL E., AKAR M., KAYA C.

in: Türkiye Klinikleri, Selçuk Murat, Editor, Ortadoğu Reklam Tanıtım Yayıncılık Turizm Eğitim İnşaat Sanayi ve Ticaret A.Ş., Ankara, pp.16-22, 2021

### **III. Köpek ve Kedilerde İnfertilite**

AKAL E., KAYA C., AKAR M.

in: Türkiye Klinikleri - Dölerme ve Suni Tohumlama Özel Sayı, Prof. Dr. Mesut Çevik, Editor, Türkiye Klinikleri (Ortadoğu Reklam Tanıtım Yayıncılık Turizm Eğitim İnşaat Sanayi ve Ticaret A.Ş.), Ankara, pp.40-46, 2019

## **Refereed Congress / Symposium Publications in Proceedings**

### **I. Deslorelin slow release implants – What happens in the canine epididymis during recovery**

Greiner H., ASLAN S., SARAL G., BİNLİ F., AKAL E., SELÇUK M., AY S. S., FINDIK M., Goericke-Pesch S.

1st European Symposium on Animal Reproduction, Nantes, France, France, 21 - 23 September 2023

### **II. Androgen signalling in canine testis subsequent to deslorelin implant treatment**

Vasetska A., Packeiser E., Körber H., ASLAN S., SARAL G., BİNLİ F., AKAL E., SELÇUK M., AY S. S., FINDIK M., et al.

1st European Symposium on Animal Reproduction, Nantes, France, France, 21 September 2023

### **III. Posters Deslorelin slow release implants – What happens in the canine epididymis during recovery**

Greiner H., Aslan S., Saral G., BİNLİ F., AKAL E., SELÇUK M., AY S. S., FINDIK M., Goericke-Pesch S.

1st European Symposium on Animal Reproduction, Nantes, France, 21 - 23 September 2023, vol.58, pp.257-258

### **IV. The effects of grape seed extract on some spermatological parameters in albino wistar rats with swimming exercise**

SELÇUK M., TUTKUN E., KABAK Y. B., AKAL E., SOSLU R., KAYA M., AYYILDIZ M., AĞAR E.

I International Congress of Turkish Society of Veterinary Gynaecology, Marmaris, Turkey, 12 - 15 October 2017, pp.171

V. **The effect of grape seed extract on some spermatological parameters in Albino Wistar rats with swimming exercise**

SELÇUK M., TUTKUN E., KABAK Y. B., AKAL E., SOSLU R., KAYA M., AYYILDIZ M., AĞAR E.

Türk Veteriner Jinekoloji Derneği I. Uluslararası Kongresi, 12 - 15 October 2017

VI. **EVCİL HAYVAN SPERMALARININ DONDURULMASINDA FARKLI KANATLI TÜRÜ YUMURTA SARILARININ KORUYUCU ETKİLERİ**

YALÇIN B., AKAL E.

8. ULUSAL REPRODÜKSİYON VE SUNİ TOHURLAMA BİLİM KONGRESİ, Turkey, 5 - 09 October 2016

VII. **Düşük Elektromanyetik Alan (2.45 GHz) Etkisine Maruz Kalan Wistar Ratlarda Spermatolojik Parametrelerin Değerlendirilmesi**

SELÇUK M., AKAL E., KARADAYI A.

VII. Ulusal Reprodüksiyon ve Suni Tohumlama Bilim Kongresi, Kars, Turkey, 1 - 04 July 2013, pp.128-129

## **Supported Projects**

Akal E., Project Supported by Higher Education Institutions, Dondurulmuş Çözdürülmüş Holstein Irkı Boğa Spermasının Morfoloji Tespitinde Farklı Metotlarının Karşılaştırılması, 2021 - 2023