

Personal Information

Email: davutkoca@yyu.edu.tr

Web: <http://aves.yyu.edu.tr/davutkoca/>

Address: DOĞUM VE JİNEKOLOJİ ANABİLİM DALI TUŞBA/VAN

International Researcher IDs

ScholarID: 15491178218692983079

ORCID: 0000-0002-7962-6959

Publons / Web Of Science ResearcherID: AAI-6709-2021

ScopusID: 57211366971

Yoksis Researcher ID: 248082

Education Information

Doctorate, Bursa Uludağ University, Sağlık Bilimleri Enstitüsü, Sağlık Bilimleri Enstitüsü, Turkey 2016 - 2022

Undergraduate, Selcuk University, Faculty Of Veterinary Medicine, Turkey 2009 - 2015

Research Areas

Health Sciences, Veterinary Sciences, Clinical Sciences, Veterinary Obstetrics and Gynecology

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The effects of case/control ratio and sample size on genome-wide association studies: A simulation study.**
Turgut A. O., Koca D.
Veterinary medicine and science, vol.10, no.3, 2024 (SCI-Expanded)
- II. **Investigation of efficacy of two different chemotherapy protocols used in neoadjuvant chemotherapy in clinical stages II-IV canine malignant mammary tumours.**
Kuruoglu F. E., Ekici Z. M., Nak D., Ozyigit M. O., Kupeli Z. A., Koca D.
Veterinary and comparative oncology, 2024 (SCI-Expanded)
- III. **Anti-Müllerian hormone: A novel biomarker for detecting bovine freemartinism.**
Koca D., Nak Y., Sendag S., Nak D., Turgut A. O., Avcilar T., Ekici Z. M., Cetin N., Bagci K., Aktar A., et al.
Reproduction in domestic animals = Zuchthygiene, vol.59, no.2, 2024 (SCI-Expanded)
- IV. **Serum Anti-Müllerian Hormone Levels during Estrus and Diestrus Phases of the Estrous Cycle and its Possible Effect on Fertility in Cross-bred Hamdani Sheep**
Koca D., Turgut A. O.
PAKISTAN VETERINARY JOURNAL, no.0253-8318, pp.1-6, 2024 (SCI-Expanded)
- V. **Sex determination in budgerigars using radiographic pelvimetry.**
Yilmaz O., Koca D., Sahin M. E., Avcilar T.
Veterinary medicine and science, vol.10, no.1, 2024 (SCI-Expanded)
- VI. **Evaluation of serum anti-Müllerian hormone concentrations following treatment with vitamin D in Holstein Friesian heifers**

- Koca D., Nak Y., Sendag S., Nak D., Avçılar T., Sahin M. E., Arslan T., Ozyigit M. O., Wehrend A.
Reproduction in Domestic Animals, vol.58, no.12, pp.1695-1701, 2023 (SCI-Expanded)
- VII. **Radiographic pelvimetry in Scottish Fold cats: sex-related differences**
Koca D., Yilmaz O., Avçılar T.
TURKISH JOURNAL OF VETERINARY AND ANIMAL SCIENCES, vol.47, no.5, pp.433-445, 2023 (SCI-Expanded)
- VIII. **Radiographic Pelvimetry in Budgerigars with and without Egg Retention**
Koca D., Yilmaz O., Şahin M. E., Avçılar T.
KAFKAS UNIVERSITESI VETERINER FAKULTESI DERGISI, vol.29, no.5, pp.497-504, 2023 (SCI-Expanded)
- IX. **Radiographic measures of the pelvis differ in British shorthair cats with dystocia and eutocia**
Koca D., Yilmaz O., Avçılar T.
Veterinary Radiology and Ultrasound, vol.64, no.5, pp.798-805, 2023 (SCI-Expanded)
- X. **Comparison of different resuscitation methods for newborn calves after dystocia**
Homberg J., Sendag S., Koca D., Cetin N., Wehrend A.
TIERAERZTLICHE PRAXIS AUSGABE GROSSTIERE NUTZTIERE, vol.51, no.04, pp.202-210, 2023 (SCI-Expanded)
- XI. **Investigation of relationships between serum lactate, acute phase proteins, pro/ antiinflammatory cytokine levels, and metritis formation in Holstein dairy heifers**
Avçılar T., Koca D., Nak Y., Şahin M. E., Özyiğit M. Ö., Nak D.
TURKISH JOURNAL OF VETERINARY AND ANIMAL SCIENCES, vol.47, no.3, pp.176-184, 2023 (SCI-Expanded)
- XII. **Evaluation of Some Systemic Inflammatory Biomarkers in Canine Malignant Mammary Tumors**
Ekici Z. M., Ozyigit M. O., Nak D., Avci Kupeli Z., Kuruoglu F. E., Koca D., Avçılar T., Gumus O., Nak Y.
KAFKAS UNIVERSITESI VETERINER FAKULTESI DERGISI, vol.29, no.5, pp.513-520, 2023 (SCI-Expanded)
- XIII. **Autologous Platelet Rich Plasma Have Positive Effect on Ram Spermatozoa During Cryopreservation in Non-Breeding Season**
ALÇAY S., Aktar A., KOCA D., Kilic M. A., Akkasoglu M., Yilmaz M. M., SAĞIRKAYA H.
KAFKAS UNIVERSITESI VETERINER FAKULTESI DERGISI, vol.28, no.2, pp.229-234, 2022 (SCI-Expanded)
- XIV. **Positive effect of autologous platelet rich plasma on Saanen buck semen cryopreservation in non-breeding season**
ALÇAY S., Aktar A., KOCA D., KILIÇ M., Akkasoglu M., SAĞIRKAYA H.
CRYOBIOLOGY, vol.103, pp.45-48, 2021 (SCI-Expanded)
- XV. **Efficacy and Toxicity of Doxorubicin and Cyclophosphamide for the Neoadjuvant Treatment of Locally Advanced Stage Canine Mammary Tumors**
Kuruoglu F. E., ÖZYİĞİT M. Ö., NAK D., Kupeli Z. A., Ekici Z. M., KOCA D., Avçılar T., Sahin M. E., NAK Y., Shahzad A. H.
KAFKAS UNIVERSITESI VETERINER FAKULTESI DERGISI, vol.26, no.6, pp.729-734, 2020 (SCI-Expanded)
- XVI. **Administration of meloxicam to cows experiencing dystocia does not increase the incidence of retained placenta**
Kunz F., Koca D., Failing K., Wehrend A., Sendag S.
TIERAERZTLICHE PRAXIS AUSGABE GROSSTIERE NUTZTIERE, vol.47, no.5, pp.281-284, 2019 (SCI-Expanded)

Articles Published in Other Journals

- I. **PAEP gene restriction fragment length polymorphism and its effects on milk composition in cross-bred Hamdani sheep**
Turgut A. O., Güleddağ E., Koca D., Üner S.
Journal of advances in vetbio science and techniques, vol.9, no.1, pp.35-41, 2024 (Peer-Reviewed Journal)
- II. **Melatonin Receptor 1A (MTNR1A) Gene Polymorphism in Cross-Bred Hamdani Sheep: A Preliminary Study**
Turgut A. O., Koca D.
ISPEC Journal of Agricultural Sciences, vol.8, no.1, pp.127-133, 2024 (Peer-Reviewed Journal)
- III. **Molecular Survey of the Toxoplasma gondii and Neospora caninum in brain tissue of aborted fetuses of Morkaraman sheep in Muş, Türkiye**

Koca D., Aslan B., Çelik Ö. Y., Ayan A., Orunç Kılınç Ö., Turgut A. O., Oktay Ayan Ö.

TURKISH JOURNAL OF AGRICULTURE: FOOD SCIENCE AND TECHNOLOGY, pp.2407-2410, 2023 (Peer-Reviewed Journal)

IV. Molecular Survey of Toxoplasma gondii Infection in Aborted Fetuses of Sheep in the Iğdır Province of Türkiye

Koca D., Orunç Kılınç Ö., Ayan A., Ertay F., Turgut A. O., Oktay Ayan Ö.

TURKISH JOURNAL OF AGRICULTURE: FOOD SCIENCE AND TECHNOLOGY, pp.2390-2393, 2023 (Peer-Reviewed Journal)

V. The Effect of Conventional Semen, Sexed-Semen, and Embryo Transfer on Pregnancy Rate in Dairy Cows

Koca D., Aktar A., Turgut A. O., Sağırkaya H., Alçay S.

Journal of research in veterinary medicine (Online), vol.42, no.2, pp.99-103, 2023 (Peer-Reviewed Journal)

VI. Chemical Composition and Physical Properties of Milk in Norduz Sheep

Koca D., Turgut A. O., Çetin N., Üner S., Gülelendağ E., Karagülle B.

Van Veterinary Journal, vol.34, no.3, pp.271-274, 2023 (Peer-Reviewed Journal)

VII. Milk Composition Traits of Hamdani Crossbreed Sheep Raised Under Extensive Management

Koca D.

ISPEC Journal of Agricultural Sciences, vol.7, no.2, pp.271-279, 2023 (Peer-Reviewed Journal)

Books & Book Chapters

I. SÜTÇÜ SIĞIRLARDA GENOM BOYU İLİŞKİ ANALİZİ ÇALIŞMALARI

Turgut A. O., Koca D.

in: SAĞLIK BİLİMLERİ ALANINDA ULUSLARARASI AKADEMİK ÇALIŞMALAR VE TEORİK BİLGİLER-IV, Doç. Dr. Mahire BAYRAMOĞLU AKKOYUN Doç. Dr. Özgül GÜLAYDIN Doç. Dr. H.Turan AKKOYUN, Editor, İksad Yayınevi, Ankara, pp.103-116, 2023

II. EVCİL HAYVANLARDA ANTİ-MÜLLERİAN HORMONUN KLİNİK KULLANIMI

Koca D., Turgut A. O.

in: SAĞLIK BİLİMLERİ ALANINDA ULUSLARARASI AKADEMİK ÇALIŞMALAR VE TEORİK BİLGİLER-IV, Doç. Dr. Mahire BAYRAMOĞLU AKKOYUN Doç. Dr. Özgül GÜLAYDIN Doç. Dr. H.Turan AKKOYUN, Editor, İksad Yayınevi, Ankara, pp.117-130, 2023

III. Chlamydia ve Coxiella Abortusları

Şendağ S., Koca D., Nak Y., Nak D.

in: Koyun ve Keçilerde Yavru Atma, Kaygusuzoğlu E., Editor, Ortadoğu Reklam Tanıtım Yayıncılık Turizm Eğitim İnşaat Sanayi Ve Ticaret A. Ş., Ankara, Ankara, pp.22-27, 2020

IV. Süt İneklerinde Memenin Optik Muayenesi

Şendağ S., Nak Y., Koca D.

in: Veteriner Bilimleri Doğum ve Jinekoloji İneklerde Mastitis Dışında Meme, Meme Başı ve Meme Derisinin Hastalıkları, Halis Öcal, Editor, Ortadoğu Reklam Tanıtım Yayıncılık Turizm Eğitim İnşaat Sanayi Ve Ticaret A. Ş., Ankara, pp.77-81, 2019

V. Süt İneklerinde Memenin Optik Muayenesi

ŞENDAĞ S., NAK Y., KOCA D.

in: Türkiye Klinikleri VETERİNER BİLİMLERİ DOĞUMVE JİNEKOLOJİ (Özel), Prof.Dr. Halis ÖCAL, Editor, Ortadoğu Reklam Tanıtım Yayıncılık Turizm Eğitim İnşaat Sanayi ve Ticaret A.Ş., Ankara, pp.77-81, 2019

Refereed Congress / Symposium Publications in Proceedings

I. COMPARISON OF BLOOD BHBA MEASUREMENT DEVICES FOR DIAGNOSIS OF SUBCLINICAL PREGNANCY TOXEMIA IN SHEEP: A FIELD STUDY

Turgut A. O., Koca D., Ünver A.

7th INTERNATIONAL CUKUROVA AGRICULTURE AND VETERINARY CONGRESS , Adana, Turkey, 9 - 10 March 2024, pp.111-112

II. Sonographic examination of testicular diameters in the European shorthair cat

Homola S., Şendağ S., Koca D., Wehrend A.

57. Jahrestagung Physiologie und Pathologie der Fortpflanzung, gleichzeitig 49. Vet.-Hum.med.

Gemeinschaftstagung 2024, Berlin, Germany, 28 February - 01 March 2024, pp.11

III. A case of interrupted labor in a Van cat

Yıldız M., Şendağ S., Koca D., Çetin N., Wehrend A.

57. Jahrestagung Physiologie und Pathologie der Fortpflanzung, gleichzeitig 49. Vet.-Hum.med.

Gemeinschaftstagung 2024, Berlin, Germany, 28 February - 01 March 2024, pp.26

IV. Evaluation of serum anti-Mullerian hormone concentrations following treatment with vitamin D in dairy heifers.

Koca D., Nak Y., Şendağ S., Nak D., Arslan T., Wehrend A.

56th Annual Conference of Physiology and Pathology of Reproduction and 48th Joint Conference of Veterinary and Human Reproductive Medicine, Münster, Germany, 1 - 03 March 2023, vol.58, pp.21

V. THE ROLE OF ANTI-MULLERIAN HORMONE AND BIOTECHNOLOGICAL TOOLS IN CATTLE REPRODUCTION

KOCA D., TURGUT A. O.

V. INTERNATIONAL HALICH CONGRESS ON MULTIDISCIPLINARY SCIENTIFIC RESEARCH, İstanbul, Turkey, 15 January 2023

VI. THE EFFECT OF PROGESTERONE LEVEL ON PREGNANCY RATES IN HOLSTEIN RECIPIENTS COWS

Koca D., Aktar A., Alçay S., Sağırkaya H.

INTERNATIONAL Congress of Health Research, Ankara, Turkey, 8 - 09 December 2022, vol.1, pp.199-200

VII. THE IMPORTANCE OF MOLECULAR GENETICS TECHNIQUES IN THE IMPROVEMENT OF REPRODUCTIVE TRAITS IN CATTLE

Turgut A. O., Koca D.

ANADOLU 11TH INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Diyarbakır, Turkey, 29 - 30 December 2022, vol.1, pp.843-851

VIII. The role of the systemic inflammatory response in canine mammary tumors

Ekici Z. M., Özyiğit M. Ö., Nak D., Avcı Küpeli Z., Kuruoğlu F. E., Koca D., Avcılar T., Gümüş O., Nak Y.

International VETEXPO 2022 Veterinary Sciences Congress, İstanbul, Turkey, 12 - 14 May 2022, pp.161

IX. The Effect of Embryo Transfer Location on Pregnancy Success in Heifers

Koca D., Uzun Ü. C., Alçay S.

2.Uluslararası Ege Sağlık Alanları Sempozyumu (UESAS'22), İzmir, Turkey, 7 - 08 March 2022, pp.95-96

X. The Effect of GnRH Application on Ovulation and Pregnancy Success at the Time of Artificial Insemination in Simmental Heifers

Koca D., Arslan K., Alçay S.

2.Uluslararası Ege Sağlık Alanları Sempozyumu (UESAS'22), İzmir, Turkey, 7 March - 08 August 2022, pp.93-94

XI. THE EFFECT OF EMBRYO TRANSFER APPLICATION ON PREGNANCY SUCCESS IN REPEAT BREEDER SIMMENTAL HEIFERS: PRELIMINARY RESULTS

Koca D., Alçay S., Sağırkaya H.

REPUBLIC SUMMIT 5th INTERNATIONAL APPLIED SCIENCES CONGRESS, Ankara, Turkey, 29 October 2021, pp.1-2

XII. PREGNANCY RATES OF HEIFERS EXPOSED TO HEAT STRESS

Koca D., Alçay S., Sağırkaya H.

3. INTERNATIONAL BAKU SCIENTIFIC RESEARCH CONGRESS , Baku, Azerbaijan, 15 - 16 October 2021, pp.251-252

XIII. EFFECTS OF DIFFERENT DOSES OF FSH APPLICATIONS ON SUPEROVULATION RESPONSE IN HEIFERS

Koca D., Aktar A., Alçay S.

3rd International Cukurova Agriculture and Veterinary Congress, Adana, Turkey, 9 - 10 October 2021, pp.457-468

XIV. The Effect of Beta Caroten+E Vitamin Application on Pregnancy Rates at the Time of Artificial Insemination in High Milk Yielding Cows

Koca D., Aktar A., Alçay S.

ULUSLARARASI SAĞLIK ALANLARI KONGRESİ 2021 (USAK'21), Uşak, Turkey, 18 - 19 September 2021, pp.246-250

XV. İneklerde Güç Doğum Sonrası Meloxicam Uygulaması ile Retentio Secundinarium Arasındaki İlişkinin Araştırılması.

Şendağ S., Kunz F., Failing K., Çetin Y., Koca D., Nak Y., Nak D., Wehrend A.

TÜRK VETERİNER JİNEKOLOJİ DERNEĞİ VIII. ULUSAL & II. ULUSLARARASI KONGRESİ, Antalya, Turkey, 10 - 13 October 2019, pp.215

XVI. Efficacy and toxicity of neoadjuvant doxorubicin and cyclophosphamide in dogs with locally advanced mammary tumors: Preliminary results

EKİCİ Z. M., ÖZYİĞİT M. Ö., NAK D., AVCI KÜPELİ Z., EKİCİ Z. M., KOCA D., Shahzad A. H.

VET EXPO 2019 INTERNATIONAL VETERINARY SCIENCES CONGRESS, İstanbul, Turkey, 20 September 2019

XVII. Efficacy and toxicity of neoadjuvant doxorubicin and cyclophosphamide in dogs with locally advanced mammary tumors: Preliminary results

Kuruoğlu F. E., Özyiğit M. Ö., Nak D., Avcı Z., Mutlu Z. M., Koca D., Shahzad A. H.

International VETEXPO Veterinary Sciences Congress, İstanbul, Turkey, 20 - 22 September 2019, pp.116

Supported Projects

Turgut A. O., Koca D., Project Supported by Higher Education Institutions, Subklinik Gebelik Toksemili Koyunlarda L-Karnitin Uygulamasının Kan Parametreleri ve Anjiyogenezis, İmmuntolerans ve Enerji Metabolizması İle İlişkili Genlerin mRNA Ekspresyonu Üzerine Etkisi, 2023 - 2025

Sağırkaya H., Alçay S., Koca D., Aktar A., Project Supported by Higher Education Institutions, İneklerde uterus içi PRP trombosit açısından zengin plazma uygulamasının embriyo transferi ve suni tohumlama çalışmalarındaki gebelik başarısı üzerine etkisi, 2022 - 2025

Koca D., Sezer U. C., Project Supported by Higher Education Institutions, Bitlis Bölgesindeki Abort Yapmış Koyun Fetüslerinde Toxoplasma gondii ve Neospora caninum Yaygınlığının Araştırılması, 2023 - 2024

Koca D., Balaç Ç., Project Supported by Higher Education Institutions, Hakkari Bölgesindeki Abort Yapmış Koyun Fetüslerinde Toxoplasma gondii Yaygınlığının PCR İle Araştırılması, 2023 - 2024

Koca D., Bulut A., Project Supported by Higher Education Institutions, Van İlinin Gürpınar İlçesindeki Abort Yapmış Norduz Koyun Fetüslerinde Toxoplasma gondii ve Neospora caninum Yaygınlığının Moleküler Olarak Araştırılması, 2023 - 2024

Nak Y., Nak D., Özyiğit M. Ö., Alçay S., Kara U., Çoban S., Say E., TUBITAK Project, Siyah Alaca Sütçü Düvelerde Serum Anti-Müllerian Hormon (AMH), Uterus Yıkantı ve Serum Laktat, Akut Faz Proteinleri , Pro/Anti-İnflamatuar Sitokin Düzeyleri ile Metritis Oluşumu Arasındaki İlişkilerin Araştırılması, 2019 - 2022

Metrics

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