

## Prof. SERDAL DİKMEN

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: A-5731-2018

ScopusID: 8280302600

Yoksis Researcher ID: 49038

### Education Information

Post Doctorate, University of Florida, International Food and Agricultural Science, Department of animal Science, United States Of America 2018 - 2019

Post Doctorate, University of Florida, International Food and Agricultural Science, Department of Animal Science, United States Of America 2007 - 2008

Doctorate, Bursa Uludağ University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Zootekni (Dr), Turkey 1999 - 2004

Undergraduate, Bursa Uludağ University, VETERİNER FAKÜLTESİ, Veteriner Pr., Turkey 1994 - 1999

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Karacabey ve Tahirova tarım işletmelerindeki Holştayn sürülerindeki süt verimi yönünden damızlık değerinin tespitinde en iyi doğrusal yansız tahmin metodunun uygulanması, 2004

### Research Areas

Zootechnical (Breeding and Breeding)

### Academic Titles / Tasks

Professor, Bursa Uludağ University, VETERİNER FAKÜLTESİ, ZOOTEKNİ VE HAYVAN BESLEME, 2015 - Continues

Associate Professor, Bursa Uludağ University, VETERİNER FAKÜLTESİ, ZOOTEKNİ VE HAYVAN BESLEME, 2010 - 2015

Assistant Professor, Bursa Uludağ University, VETERİNER FAKÜLTESİ, ZOOTEKNİ VE HAYVAN BESLEME, 2008 - 2010

Lecturer PhD, Bursa Uludağ University, VETERİNER FAKÜLTESİ, ZOOTEKNİ VE HAYVAN BESLEME, 2008 - 2008

Research Assistant, Bursa Uludağ University, VETERİNER FAKÜLTESİ, ZOOTEKNİ VE HAYVAN BESLEME, 2004 - 2008

Research Assistant, Bursa Uludağ University, VETERİNER FAKÜLTESİ, ZOOTEKNİ VE HAYVAN BESLEME, 1999 - 2004

## Academic and Administrative Experience

Director of Vocational School, Bursa Uludağ University, Veteriner Fakültesi, Zootekni Ve Hayvan Besleme, 2021 - 2023  
Head of Department, Bursa Uludağ University, Veteriner Fakültesi, Zootekni Ve Hayvan Besleme, 2020 - 2023  
Fakülte Kurulu Üyeliği, Bursa Uludağ University, Veteriner Fakültesi, Zootekni Ve Hayvan Besleme, 2020 - 2023  
Head of Department, Bursa Uludağ University, Veteriner Fakültesi, Zootekni Ve Hayvan Besleme, 2020 - 2023  
Head of Department, Bursa Uludağ University, VETERİNER FAKÜLTESİ, ZOOTEKNİ VE HAYVAN BESLEME, 2017 - 2018  
Bölüm Akademik Teşvik Değerlendirme Komisyonu Başkanı, Bursa Uludağ University, VETERİNER FAKÜLTESİ, ZOOTEKNİ VE HAYVAN BESLEME, 2014 - 2016  
Ethics Committee Member, Bursa Uludağ University, VETERİNER FAKÜLTESİ, ZOOTEKNİ VE HAYVAN BESLEME, 2009 - 2015  
Akreditasyon, Sürekli Gelişim ve Yenilenme Kurulu Üyesi, Bursa Uludağ University, VETERİNER FAKÜLTESİ, ZOOTEKNİ VE HAYVAN BESLEME, 2009 - 2014  
Erasmus Coordinator, Bursa Uludağ University, VETERİNER FAKÜLTESİ, ZOOTEKNİ VE HAYVAN BESLEME, 2008 - 2012  
Farabi Coordinator, Bursa Uludağ University, VETERİNER FAKÜLTESİ, ZOOTEKNİ VE HAYVAN BESLEME, 2009 - 2011  
Manager of Research and Application Center, Bursa Uludağ University, VETERİNER FAKÜLTESİ, ZOOTEKNİ VE HAYVAN BESLEME, 2008 - 2010  
Assistant Manager of Research and Application Center, Bursa Uludağ University, VETERİNER FAKÜLTESİ, ZOOTEKNİ VE HAYVAN BESLEME, 2001 - 2001

## Courses

Doktora Tez Danışmanlığı (Fahir Brav), Doctorate, 2022 - 2023  
Seminer, Undergraduate, 2022 - 2023  
Tez danışmanlığı (Pelin Usta), Postgraduate, 2022 - 2023  
Tez Danışmanlığı (Özgür Özcan), Doctorate, 2022 - 2023  
Çiftlik Hayvanlarında Barınak Sistemleri, Postgraduate, 2022 - 2023  
Tez Danışmanlığı (Müge Akdeniz), Doctorate, 2022 - 2023  
Animal improvement, Undergraduate, 2023 - 2024  
Hayvan Barınakları ve Hijyen, Undergraduate, 2022 - 2023  
DOKTORA UZMANLIK ALAN DERSİ V, Doctorate, 2022 - 2023  
Tez Danışmanlığı (Mehmet Ünen), Postgraduate, 2022 - 2023  
Zootekni 2A, Undergraduate, 2022 - 2023  
Kayıt Sistemleri ve Değerlendirme, Postgraduate, 2022 - 2023  
Çiftlik Hayvanları Hekimliği ve Yetiştiriciliği, Undergraduate, 2022 - 2023  
Bilimsel Araştırma Teknikleri ve Yayın Etiği, Doctorate, 2022 - 2023  
Tez Danışmanlığı (Yiğit Çeltik), Postgraduate, 2022 - 2023  
Tez Danışmanlığı (Berk Afşar), Postgraduate, 2022 - 2023  
Doktora Tez Danışmanlığı (Yağmur Kökden), Doctorate, 2022 - 2023  
Yüksek Lisans Uzmanlık Alan Dersi, Postgraduate, 2022 - 2023  
Hayvan Yetiştiriciliğinde Verim Kontrolleri ve Kayıt Sistemleri, Doctorate, 2022 - 2023  
Yüksek Lisans Seminer, Postgraduate, 2022 - 2023  
Doktora Uzmanlık Alan Dersi, Doctorate, 2022 - 2023  
Kayıt Sistemleri ve Değerlendirme, Postgraduate, 2022 - 2023  
TEZ DANIŞMANLIĞI III (Fahir Brav), Doctorate, 2022 - 2023  
DOKTORA UZMANLIK ALAN DERSİ III, Doctorate, 2022 - 2023  
TEZ DANIŞMANLIĞI IV (Pelin Usta), Postgraduate, 2021 - 2022

ÇİFTLİK HAYVANLARINDA BARINAK SİSTEMLERİ, Postgraduate, 2021 - 2022  
TEZ DANIŞMANLIĞI I (Yağmur KÖKTEN), Doctorate, 2022 - 2023  
Süt Sığırılığında Damızlık Seçimi, Doctorate, 2022 - 2023  
Araştırma Teknikleri ve Etik, Postgraduate, 2022 - 2023  
YÜKSEK LİSANS UZMANLIK ALAN DERSİ II, Postgraduate, 2022 - 2023  
TEZ DANIŞMANLIĞI II (Müge Akdeniz), Doctorate, 2021 - 2022  
HAYVAN YETİŞTİRİCİLİĞİNDE VERİM KONTROLLERİ VE KAYIT SİSTEMLERİ, Doctorate, 2021 - 2022  
DOKTORA UZMANLIK ALAN DERSİ IV, Doctorate, 2021 - 2022  
ÇİFTLİK HAYVANLARI HEKİMLİĞİ ve YETİŞTİRİCİLİĞİ, Undergraduate, 2021 - 2022  
TEZ DANIŞMANLIĞI II (Kamran Mikailov), Postgraduate, 2021 - 2022  
ZOOTEKİNİ II, Undergraduate, 2021 - 2022  
Tez Danışmanlığı (Kamran Mikailov), Postgraduate, 2022 - 2023  
Koyun ve Keçi Yetiştirme Tekniği, Doctorate, 2021 - 2022  
Tez Danışmanlığı (Özgür Özcan), Doctorate, 2022 - 2023  
Denetimli Çalışma (Zootekni), Undergraduate, 2022 - 2023  
Animal Science, Undergraduate, 2022 - 2023  
Tez Danışmanlığı (Müge Akdeniz), Doctorate, 2022 - 2023  
Denetimli Çalışma, Undergraduate, 2022 - 2023  
DOKTORA UZMANLIK ALAN DERSİ I, Doctorate, 2022 - 2023  
KAYIT SİSTEMLERİ VE DEĞERLENDİRME, Postgraduate, 2021 - 2022  
SEMİNER, Postgraduate, 2021 - 2022  
HAYVAN ISLAH TEKNİKLERİ, Doctorate, 2021 - 2022  
Hayvan Islahına Giriş, Postgraduate, 2022 - 2023  
TEZ DANIŞMANLIĞI II (B.Avşar), Postgraduate, 2021 - 2022  
TEZ DANIŞMANLIĞI II (Özgür Özcan), Doctorate, 2021 - 2022  
HAYVAN ISLAHINA GİRİŞ, Postgraduate, 2022 - 2023  
TEZ DANIŞMANLIĞI VIII (Fahir Brav), Doctorate, 2021 - 2022  
TEZ DANIŞMANLIĞI II (M.Ünen), Postgraduate, 2021 - 2022  
HAYVAN ISLAHI, Undergraduate, 2022 - 2023  
TEZ DANIŞMANLIĞI IV (Y.Çeltik), Postgraduate, 2021 - 2022  
YÜKSEK LİSANS UZMANLIK ALAN DERSİ IV, Postgraduate, 2021 - 2022  
KAYIT SİSTEMLERİ VE DEĞERLENDİRME, Postgraduate, 2021 - 2022  
HAYVAN ISLAHI, Undergraduate, 2022 - 2023  
DOKTORA UZMANLIK ALAN DERSİ V, Doctorate, 2022 - 2023  
Bilimsel Araştırma ve Etik, Postgraduate, 2022 - 2023  
Tez Danışmanlığı (Yiğit Çeltik), Postgraduate, 2022 - 2023  
TEZ DANIŞMANLIĞI VI (Yağmur Kökden), Doctorate, 2021 - 2022  
Tez Danışmanlığı (Pelin Usta), Postgraduate, 2022 - 2023  
At Yetiştiriciliği, Associate Degree, 2020 - 2021  
Laboratory Animal Production, Undergraduate, 2020 - 2021  
ÇİFTLİK HAYVANLARINDA SICAK STRESİ, Doctorate, 2020 - 2021  
TEZ DANIŞMANLIĞI III, Doctorate, 2020 - 2021  
ÇİFTLİK HAYVAN YETİŞTİRİCİLİĞİ, Undergraduate, 2020 - 2021  
LABORATUAR HAYVAN YETİŞTİRİCİLİĞİ, Undergraduate, 2017 - 2018

## Advising Theses

Dikmen S., Simental ırkı ineklerin sıcak stresi altında verim performansları, Postgraduate, K.MIKAILOV(Student), 2023  
Dikmen S., Determination of the factors affecting fertility performance of Arab horses cultivated in Marmara Region conditions, Doctorate, M.DURMAZ(Student), 2017

Dikmen S., Growth performance of broiler chicks obtained from different type of hatching eggs, Doctorate, K.ÇUBUKÇU(Student), 2014

## Jury Memberships

Associate Professor Exam, Associate Professor Exam, Bursa Uludağ Üniversitesi, March, 2020

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

- I. **Effect of oestrous expression prior to timed artificial insemination with sexed semen on pregnancy rate in dairy cows**  
Guner B., Erturk M., Dursun M., Ozturk B., Yilmazbas-Mecitoglu G., Keskin A., Dikmen S., Gumen A.  
Reproduction in Domestic Animals, vol.58, no.2, pp.342-348, 2023 (SCI-Expanded)
- II. **Impact of Brahman genetics on skin histology characteristics with implications for heat tolerance in cattle**  
Mateescu R. G., Sarlo Davila K. M., Hernandez A. S., Andrade A. N., Zayas G. A., Rodriguez E. E., DİKMEN S., Oltenacu P. A.  
Frontiers in Genetics, vol.14, 2023 (SCI-Expanded)
- III. **Effects of the bovine SLICK1 mutation in PRLR on sweat gland area, FOXA1 abundance, and global gene expression in skin**  
Sosa F., Carmickle A., Oliveira L., Sagheer M., Saleem M., Yu F., Altman M., DİKMEN S., Denicol A., Sonstegard T., et al.  
Journal of Dairy Science, vol.105, no.11, pp.9206-9215, 2022 (SCI-Expanded)
- IV. **Actions of DKK1 on the bovine embryo during the morula-to-blastocyst stage of development on pregnancy outcomes and placental hormone secretion after embryo transfer**  
Amaral T., Grazia J., Gonella-Diaza A., Heredia D., Melo G., Pohler K., Estrada-Cortés E., Dikmen S., Sosa F., Jensen L., et al.  
REPRODUCTION, FERTILITY AND DEVELOPMENT, vol.34, no.2, pp.279, 2022 (SCI-Expanded)
- V. **Inheritance of the SLICK1 allele of PRLR in cattle**  
Sosa F., Carmickle A. T., Jimenez-Caban E., Ortega M. S., DİKMEN S., Negron-Perez V., Jannaman E. A., Baktula A., Rincon G., Larson C. C., et al.  
ANIMAL GENETICS, vol.52, no.6, pp.887-890, 2021 (SCI-Expanded)
- VI. **A mechanistic thermal balance model of dairy cattle**  
Li J., Narayanan V., Kebreab E., DİKMEN S., Fadel J. G.  
BIOSYSTEMS ENGINEERING, vol.209, pp.256-270, 2021 (SCI-Expanded)
- VII. **Comparison of pregnancy per AI of heifers inseminated with sex-sorted or conventional semen after oestrus detection or timed artificial insemination**  
Guner B., Selcuk G., Guclu S., Sengul S., Altun I., Dikmen S., Gümen A.  
REPRODUCTION IN DOMESTIC ANIMALS, vol.56, no.9, pp.1254-1260, 2021 (SCI-Expanded)
- VIII. **President Oral Presentation Pick: Phenotypic plasticity of heat tolerance in beef cattle**  
Mateescu R. G., Davila K. M. S., DİKMEN S., Nunez A., Rodriguez E., Oltenacu P.  
JOURNAL OF ANIMAL SCIENCE, vol.98, pp.51, 2020 (SCI-Expanded)
- IX. **Genome-wide association study identifies variants associated with hair length in Brangus cattle**  
Sarlo Davila K. M., Howell A., Nunez A., Orelie A., Roe V., Rodriguez E., DİKMEN S., Mateescu R. G.  
ANIMAL GENETICS, vol.51, no.5, pp.811-814, 2020 (SCI-Expanded)
- X. **Effectiveness of tunnel ventilation as dairy cow housing in hot climates: rectal temperatures during heat stress and seasonal variation in milk yield**  
DİKMEN S., Larson C. C., De Vries A., Hansen P. J.  
TROPICAL ANIMAL HEALTH AND PRODUCTION, vol.52, no.5, pp.2687-2693, 2020 (SCI-Expanded)
- XI. **The effect of Brahman genes on body temperature plasticity of heifers on pasture under heat stress**

Mateescu R. G., Sarlo-Davila K. M., DİKMEN S., Rodriguez E., Oltenacu P. A.

JOURNAL OF ANIMAL SCIENCE, vol.98, no.5, 2020 (SCI-Expanded)

- XII. **Differences in thermoregulation ability and genetic parameters of skin traits in Angus, Brahman and their Crossbreds**  
DİKMEN S., Mateescu R. G.  
JOURNAL OF ANIMAL SCIENCE, vol.97, pp.386, 2019 (SCI-Expanded)
- XIII. **Genetic parameters for hair characteristics and core body temperature in a multibreed Brahman-Angus herd**  
Davila K. M. S., Hamblen H., Hansen P. J., DİKMEN S., Oltenacu P. A., Mateescu R. G.  
JOURNAL OF ANIMAL SCIENCE, vol.97, no.8, pp.3246-3252, 2019 (SCI-Expanded)
- XIV. **Interactions of human chorionic gonadotropin with genotype and parity on fertility responses of lactating dairy cows**  
Zolini A. M., Ortiz W. G., Estrada-Cortes E., Ortega M. S., DİKMEN S., Sosa F., Giordano J. O., Hansen P. J.  
JOURNAL OF DAIRY SCIENCE, vol.102, no.1, pp.846-856, 2019 (SCI-Expanded)
- XV. **Effect of hair characteristics on vaginal temperature under hot and humid conditions in an Angus-Brahman multibreed herd**  
Davila K. S., Hamblen H., Hansen P., DİKMEN S., Elzo M., Mateescu R.  
JOURNAL OF ANIMAL SCIENCE, vol.96, pp.144, 2018 (SCI-Expanded)
- XVI. **Determination of the optimum contribution of Brahman genetics in an Angus-Brahman multibreed herd for regulation of body temperature during hot weather**  
DİKMEN S., Mateescu R. G., Elzo M. A., Hansen P. J.  
JOURNAL OF ANIMAL SCIENCE, vol.96, no.6, pp.2175-2183, 2018 (SCI-Expanded)
- XVII. **Convergent Evolution of Slick Coat in Cattle through Truncation Mutations in the Prolactin Receptor**  
Porto-Neto L. R., Bickhart D. M., Landaeta-Hernandez A. J., Utsunomiya Y. T., Pagan M., Jimenez E., Hansen P. J., DİKMEN S., Schroeder S. G., Kim E., et al.  
FRONTIERS IN GENETICS, vol.9, 2018 (SCI-Expanded)
- XVIII. **Cows exposed to heat stress during fetal life exhibit improved thermal tolerance**  
Ahmed B. M. S., Younas U., Asar T. O., DİKMEN S., Hansen P. J., Dahl G. E.  
JOURNAL OF ANIMAL SCIENCE, vol.95, no.8, pp.3497-3503, 2017 (SCI-Expanded)
- XIX. **Postnatal phenotype of dairy cows is altered by in vitro embryo production using reverse X-sorted semen**  
Siqueira L. G. B., DİKMEN S., Ortega M. S., Hansen P. J.  
JOURNAL OF DAIRY SCIENCE, vol.100, no.7, pp.5899-5908, 2017 (SCI-Expanded)
- XX. **Evaluation of genetic components in traits related to superovulation, in vitro fertilization, and embryo transfer in Holstein cattle**  
Gaddis K. L. P., DİKMEN S., Null D. J., Cole J. B., Hansen P. J.  
JOURNAL OF DAIRY SCIENCE, vol.100, no.4, pp.2877-2891, 2017 (SCI-Expanded)
- XXI. **The Larson Blue coat color phenotype in Holsteins: Characteristics and effects on body temperature regulation and production in lactating cows in a hot climate**  
DİKMEN S., Dahl G. E., Cole J. B., Null D. J., Hansen P. J.  
JOURNAL OF ANIMAL SCIENCE, vol.95, no.3, pp.1164-1169, 2017 (SCI-Expanded)
- XXII. **The effects of carvacrol and/or thymol on the performance, blood and rumen parameters, and carcass traits of Merino sheep**  
BİRİCİK H., Hanoglu Oral H., Talug A. M., CENGİZ Ş. Ş., KOYUNCU M., DİKMEN S.  
TURKISH JOURNAL OF VETERINARY & ANIMAL SCIENCES, vol.40, no.5, pp.651-659, 2016 (SCI-Expanded)
- XXIII. **Single nucleotide polymorphisms associated with thermoregulation in lactating dairy cows exposed to heat stress**  
DİKMEN S., Wang X. -, Ortega M. S., Cole J. B., Null D. J., Hansen P. J.  
JOURNAL OF ANIMAL BREEDING AND GENETICS, vol.132, no.6, pp.409-419, 2015 (SCI-Expanded)
- XXIV. **The SLICK hair locus derived from Senepol cattle confers thermotolerance to intensively managed lactating Holstein cows**

- DİKMEN S., Khan F. A., Huson H. J., Sonstegard T. S., Moss J. I., Dahl G. E., Hansen P. J.  
JOURNAL OF DAIRY SCIENCE, vol.97, no.9, pp.5508-5520, 2014 (SCI-Expanded)
- XXV. **Determination of factors affecting pregnancy rate in Turkish Saanen goats**  
UZABACI E., Cubukcu K., DİKMEN S.  
ANKARA UNIVERSITESI VETERINER FAKULTESI DERGISI, vol.61, no.4, pp.303-307, 2014 (SCI-Expanded)
- XXVI. **The effect of breed in a hot environment on some welfare indicators in feedlot cattle**  
DİKMEN S.  
SPANISH JOURNAL OF AGRICULTURAL RESEARCH, vol.11, no.4, pp.1028-1035, 2013 (SCI-Expanded)
- XXVII. **Association of amoxicillin use and molar incisor hypomineralization in piglets: Visual and mineral density evaluation**  
Kuscu O. O., SANDALLI N., DİKMEN S., Ersoy O., TATAR İ., Turkmen İ. İ., Caglar E.  
ARCHIVES OF ORAL BIOLOGY, vol.58, no.10, pp.1422-1433, 2013 (SCI-Expanded)
- XXVIII. **A Morphometric Method of Sexing White Layer Eggs**  
Yilmaz-Dikmen B., Dikmen S.  
BRAZILIAN JOURNAL OF POULTRY SCIENCE, vol.15, no.3, pp.203-210, 2013 (SCI-Expanded)
- XXIX. **Genome-Wide Association Mapping for Identification of Quantitative Trait Loci for Rectal Temperature during Heat Stress in Holstein Cattle**  
DİKMEN S., Cole J. B., Null D. J., Hansen P. J.  
PLOS ONE, vol.8, no.7, 2013 (SCI-Expanded)
- XXX. **Effect of Feed Processing on the Fattening Performance and Carcass Traits of Awassi Ram Lambs**  
ÜSTÜNER H., DİKMEN S., TÜRKMEN İ. İ.  
ASIAN JOURNAL OF ANIMAL AND VETERINARY ADVANCES, vol.7, no.12, pp.1331-1339, 2012 (SCI-Expanded)
- XXXI. **SOME MORPHOLOGICAL CHARACTERISTICS AND GROWTH OF KANGAL TURKISH SHEPHERD PUPPIES UNTIL THE WEANING AGE**  
Elmaz O., Aksoy O. A., DİKMEN S.  
BULGARIAN JOURNAL OF AGRICULTURAL SCIENCE, vol.18, no.6, pp.980-986, 2012 (SCI-Expanded)
- XXXII. **Heritability of rectal temperature and genetic correlations with production and reproduction traits in dairy cattle**  
DİKMEN S., Cole J. B., Null D. J., Hansen P. J.  
JOURNAL OF DAIRY SCIENCE, vol.95, no.6, pp.3401-3405, 2012 (SCI-Expanded)
- XXXIII. **The effect of body weight on some welfare indicators in feedlot cattle in a hot environment**  
DİKMEN S., ÜSTÜNER H., ORMAN A.  
INTERNATIONAL JOURNAL OF BIOMETEOROLOGY, vol.56, no.2, pp.297-303, 2012 (SCI-Expanded)
- XXXIV. **Performance analysis of a two stage pad cooling system in broiler houses**  
PETEK M., DİKMEN S., OĞAN M. M.  
TURKISH JOURNAL OF VETERINARY & ANIMAL SCIENCES, vol.36, no.1, pp.21-26, 2012 (SCI-Expanded)
- XXXV. **The effect of shearing in a hot environment on some welfare indicators in Awassi lambs**  
DİKMEN S., ORMAN A., ÜSTÜNER H.  
TROPICAL ANIMAL HEALTH AND PRODUCTION, vol.43, no.7, pp.1327-1335, 2011 (SCI-Expanded)
- XXXVI. **The assessment of carcass traits of Awassi lambs by real-time ultrasound at different body weights and sexes**  
Orman A., Caliskan G. U., DİKMEN S.  
JOURNAL OF ANIMAL SCIENCE, vol.88, no.10, pp.3428-3438, 2010 (SCI-Expanded)
- XXXVII. **Physical chick parameters and effects on growth performance in broiler**  
PETEK M., ORMAN A., DİKMEN S., ALPAY F.  
ARCHIV FÜR TIERZUCHT-ARCHIVES OF ANIMAL BREEDING, vol.53, no.1, pp.108-115, 2010 (SCI-Expanded)
- XXXVIII. **The effect of processing type of feedstuff on the fattening performance of Awassi ram lambs.**  
Ustuner H., DİKMEN S., Turkmen I. I.  
JOURNAL OF DAIRY SCIENCE, vol.93, pp.785-786, 2010 (SCI-Expanded)
- XXXIX. **Relationship between body measurements and milk yield and a method to predict the milk production of Saanen goats**

- DİKMEN S., Orman A., Ustuner H., Ogan M. M.  
JOURNAL OF DAIRY SCIENCE, vol.93, pp.303-304, 2010 (SCI-Expanded)
- XL. **Genotype effects on body temperature in dairy cows under grazing conditions in a hot climate including evidence for heterosis**  
DİKMEN S., Martins L., Pontes E., Hansen P. J.  
INTERNATIONAL JOURNAL OF BIOMETEOROLOGY, vol.53, no.4, pp.327-331, 2009 (SCI-Expanded)
- XLl. **Genetic parameters and breeding values of milk yield of holstein cows**  
DİKMEN S., Baspinar H.  
Indian Veterinary Journal, vol.86, no.7, pp.687-690, 2009 (SCI-Expanded)
- XLII. **Fattening performance and feed source preference of native Awassi lambs fed individually in a cafeteria feeding system**  
DİKMEN S., Ustuner H., Turkmen I. I., Ogan M.  
TROPICAL ANIMAL HEALTH AND PRODUCTION, vol.41, no.4, pp.485-491, 2009 (SCI-Expanded)
- XLIII. **Is the temperature-humidity index the best indicator of heat stress in lactating dairy cows in a subtropical environment?**  
DİKMEN S., Hansen P. J.  
JOURNAL OF DAIRY SCIENCE, vol.92, no.1, pp.109-116, 2009 (SCI-Expanded)
- XLIV. **The assessment of carcass composition of Awassi male lambs by real-time ultrasound at two different live weights**  
Orman A., Caliskan G. U., DİKMEN S., ÜSTÜNER H., OĞAN M. M., Caliskan C.  
MEAT SCIENCE, vol.80, no.4, pp.1031-1036, 2008 (SCI-Expanded)
- XLV. **THE EFFECTS OF ENVIRONMENTAL FACTORS ON THE BODY SIZE MEASUREMENTS OF BELGIAN MALINOIS PUPPIES**  
DİKMEN S., Elmaz O., Aksoy O. A.  
INDIAN VETERINARY JOURNAL, vol.85, no.9, pp.971-972, 2008 (SCI-Expanded)
- XLVI. **Differences in thermoregulatory ability between slick-haired and wild-type lactating Holstein cows in response to acute heat stress**  
Dikmen S., Alava E., Pontes E., Fear J. M., Dikmen B., Olson T. A., Hansen P. J.  
JOURNAL OF DAIRY SCIENCE, vol.91, no.9, pp.3395-3402, 2008 (SCI-Expanded)
- XLVII. **Erythrocyte potassium, sodium and glutathione concentrations and their relationship with reproduction, body weight and fleece weight traits in Awassi sheep**  
GÜNEŞ N., AYDIN C., Udum C. D., DİKMEN S., Ozmen O.  
ARCHIV FÜR TIERZUCHT-ARCHIVES OF ANIMAL BREEDING, vol.51, no.5, pp.479-486, 2008 (SCI-Expanded)
- XLVIII. **Prediction of Postpubertal Reproductive Potential According to Prepubertal Body Weight, Testicular Size, and Testosterone Concentration Using Multiple Regression Analysis in Kivircik Ram Lambs**  
Elmaz O., DİKMEN S., Cirit U., Demir H.  
TURKISH JOURNAL OF VETERINARY & ANIMAL SCIENCES, vol.32, no.5, pp.335-343, 2008 (SCI-Expanded)
- XLIX. **Correlation between live weight and body size measurements of Belgian Malinois puppies**  
Dikmen S., Elmaz O., Aksoy O. A.  
INDIAN VETERINARY JOURNAL, vol.85, no.1, pp.37-40, 2008 (SCI-Expanded)
- L. **The effects of egg shape index on incubation results of layer breeders.**  
Dikmen B., Dikmen S.  
POULTRY SCIENCE, vol.87, pp.159, 2008 (SCI-Expanded)
- Ll. **The determination of growth performance and some morphological characteristics effective on development curves of German Shepherd puppies during the suckling period**  
Elmaz O., Aksoy O. A., Zonturlu A., DİKMEN S.  
POLISH JOURNAL OF VETERINARY SCIENCES, vol.11, no.4, pp.367-370, 2008 (SCI-Expanded)
- LII. **Chick quality assesment: Visual scoring or chick length?**  
Petek M., Orman A., ALPAY F., DİKMEN S.  
POULTRY SCIENCE, vol.87, pp.161, 2008 (SCI-Expanded)
- LIII. **Effect of weaning system on lamb growth and commercial milk production of Awassi dairy sheep**

Dikmen S., Turkmen I. I., Ustuner H., Alpay F., Balci F., Petek M., Ogan M.

CZECH JOURNAL OF ANIMAL SCIENCE, vol.52, no.3, pp.70-76, 2007 (SCI-Expanded)

LIV. **The effects of prestorage incubation and length of storage of broiler breeder eggs on hatchability and subsequent growth performance of progeny**

Petek M., Dikmen S.

CZECH JOURNAL OF ANIMAL SCIENCE, vol.51, no.2, pp.73-77, 2006 (SCI-Expanded)

LV. **The effects of prestorage incubation of quail breeder eggs on hatchability and subsequent growth performance of progeny**

Petek M., Dikmen S.

ANIMAL RESEARCH, vol.53, no.6, pp.527-534, 2004 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Consequences of gene editing of *PRLR* on thermotolerance, growth, and male reproduction in cattle**  
Cuellar C. J., Amaral T. F., Rodriguez-Villamil P., Ongaratto F., Martinez D. O., Labrecque R., Losano J. D. d. A., Estrada-Cortes E., Bostrom J. R., Martins K., et al.  
FASEB BIOADVANCES, vol.6, no.8, pp.223-234, 2024 (ESCI)
- II. **Incorporating Brahman Genetics in the Cow Herd to Alleviate Heat Stress**  
Davila K. S., Hamblen H., Dikmen S., Hansen P., Thrift T., Mateescu R.  
UF/ IFAS Extension, vol.366, pp.366, 2021 (Peer-Reviewed Journal)
- III. **Comparison of Tympanic and Tail Temperatures in Angus and Brahman Steers**  
Dikmen S., Sarlo Davila K., Rodriguez E., Scheffler T. L., Oltenacu P. A., Mateescu R. G.  
Journal of Animal Science and Research, vol.4, no.4, pp.1-4, 2020 (Peer-Reviewed Journal)
- IV. **Shrink film, Depolama Süresi ve Sıcaklığının Sofralık Yumurtalarda İç ve Dış Kalite Üzerine Etkileri**  
PETEK M., ALPAY F., DİKMEN S., ÇAVUŞOĞLU E.  
Uludağ Üniversitesi Veteriner Fakültesi Dergisi, vol.33, pp.15-20, 2014 (Peer-Reviewed Journal)
- V. **Effects of shrink film extended storage and temperature on external and internal table egg quality**  
PETEK M., ALPAY F., DİKMEN S., ÇAVUŞOĞLU E.  
Uludağ Üniversitesi Veteriner Fakültesi dergisi, vol.1, no.2, pp.15-20, 2014 (Peer-Reviewed Journal)
- VI. **Süt Sığırlarında Sıcak Stresinin Tespiti, Verim Özellikleri Üzerine Etkileri ve Korunma Yöntemleri**  
Dinçel D., Dikmen S.  
Uludağ Üniversitesi Veteriner Fakültesi Dergisi, vol.32, no.1, pp.19-30, 2013 (Peer-Reviewed Journal)
- VII. **Relations Between Day old Chick Length and Body Weight in Broiler Quail and Layer**  
PETEK M., ORMAN A., DİKMEN S., ALPAY F.  
Uludağ Üniv. Vet. Fak. Derg. 1-2., vol.27, pp.25-28, 2008 (Peer-Reviewed Journal)
- VIII. **Relationship Between Day Old Chick Length and Body Weight in Poultry**  
PETEK M., ORMAN A., DİKMEN S., ALPAY F.  
Uludağ Üniv. Vet.Fak.derg., vol.27, no.2, pp.25-28, 2008 (Peer-Reviewed Journal)
- IX. **The effect of fibrolytic exogenous enzyme on fattening performance of steers**  
BALCI F., DİKMEN S., GENÇOĞLU H., ORMAN A., TÜRKMEN İ. İ., BİRİCİK H.  
Bulgarian Journal of Veterinary Medicine, vol.10, no.2, pp.113-118, 2007 (Scopus)
- X. **THE EFFECT OF FIBROLYTIC EXOGENOUS ENZYME ON FATTENING PERFORMANCE OF STEERS**  
BALCI F., DİKMEN S., GENÇOĞLU H., ORMAN A., TÜRKMEN İ. İ., BİRİCİK H.  
Bulgarian Journal of Veterinary Medicine, vol.10, no.2, pp.113-118, 2007 (Scopus)
- XI. **The effects of shank length on some production traits of a commercial layer flock**  
PETEK M., BALCI F., Başıpınar H., OĞAN M. M., DİKMEN S.  
Uludağ Üniversitesi Veteriner Fakültesi Dergisi, vol.19, no.3, pp.129-134, 2000 (Peer-Reviewed Journal)
- XII. **Bir Ticari Tavuk Sürüsünde Bacak Uzunluğunun Bazı Yumurta Verim Özellikleri Üzerine Etkileri**  
PETEK M., BALCI F., Başıpınar H., OĞAN M. M., DİKMEN S.



## Books & Book Chapters

- I. **Başlıca Yetiştiricilik Tanımları**  
PETEK M., OĞAN M. M., DİKMEN S., ORMAN A., ÜSTÜNER H., ALPAY F.  
in: Temel Zootekni, Metin PETEK, Editor, Anadolu Üniversitesi, pp.22-39, 2017
- II. **Seleksiyon ve Seleksiyon Metodları**  
PETEK M., OĞAN M. M., DİKMEN S., ORMAN A., ÜSTÜNER H., ALPAY F.  
in: Temel Zootekni, Metin PETEK, Editor, Anadolu Üniversitesi, pp.128-147, 2017
- III. **Seleksiyon ve Seleksiyon Metodları**  
PETEK M., OĞAN M. M., DİKMEN S., ORMAN A., ÜSTÜNER H., ALPAY F.  
in: Temel Zootekni, Metin PETEK, Editor, Anadolu Üniversitesi, pp.128-147, 2016
- IV. **Bölüm 5**  
PETEK M., DİKMEN S.  
in: Temel Zootekni, Metin Petek, Editor, Anadolu Üniversitesi, Eskişehir, pp.86-104, 2016
- V. **Başlıca Yetiştiricilik Tanımları**  
PETEK M., OĞAN M. M., DİKMEN S., ORMAN A., ÜSTÜNER H., ALPAY F.  
in: Temel Zootekni, Metin PETEK, Editor, Anadolu Üniversitesi, pp.22-39, 2016
- VI. **Çevre ve Hastalıklara Direnç (5.Ünite)**  
PETEK M., DİKMEN S.  
in: Temel Zootekni, Metin Petek, Editor, Anadolu Üniversitesi, pp.76-103, 2016
- VII. **Laboratuvar Hayvanları Yetiştirme ve Sağlığı**  
Dikmen S. (Editor)  
Anadolu Üniversitesi, Eskişehir, 2014
- VIII. **Sıçan Yetiştiriciliği**  
Dikmen S.  
in: Laboratuvar Hayvan Yetiştiriciliği ve Sağlığı, Prof.Dr. Serdal Dikmen, Editor, Anadolu Üniversitesi, Eskişehir, pp.90-128, 2014
- IX. **Laboratuvar Hayvan Yetiştiriciliği ve Etik Kurallar**  
Dikmen S.  
in: Laboratuvar Hayvan Yetiştiriciliği ve Sağlığı, Prof.Dr. Serdal Dikmen, Editor, Anadolu Üniversitesi, Eskişehir, pp.2-21, 2014
- X. **Barınakları, Yetiştiriciliği Etkileyen faktörler ve Yetiştirme Sistemleri**  
Dikmen S.  
in: Laboratuvar Hayvan Yetiştiriciliği ve Sağlığı, Prof.Dr. Serdal Dikmen, Editor, Anadolu Üniversitesi, Eskişehir, pp.46-68, 2014
- XI. **Laboratuvar Hayvanları Yetiştirme ve Sağlığı**  
Petek M., Dikmen S., Oğan M. M., Onbaşılar E. E.  
Anadolu Üniversitesi, Eskişehir, 2011
- XII. **Temel Zootekni**  
PETEK M., OĞAN M. M., DİKMEN S., ORMAN A., ÜSTÜNER H., ALPAY F.  
Anadolu Üniversitesi, 2011

## Refereed Congress / Symposium Publications in Proceedings

- I. **Senkronizasyon Protokolü Uygulanan İneklerde Cinsiyeti Belirlenmiş Sperma ile Farklı Zamanlarda Tohumlamanın Gebelik Oranları Üzerine Etkisi**  
SERİM E., BİLEN E., KESKİN A., GÜMEN A., DİKMEN S., MECİTOĞLU G.

TÜRK VETERİNER JİNEKOLOJİ DERNEĞİ IX. ULUSAL & III. ULUSLARARASI KONGRESİ, Antalya, Turkey, 24 - 27 March 2022

- II. **Farklı Canlı Ağırlıklardaki Holstein Erkek Danaların Karkas Kompozisyonunun Kesim Öncesi Real-Time Ultrasonografi ile Tahmin edilmesi**  
ORMAN A., ÇALIŞKAN G. Ü., DİKMEN S., ÜSTÜNER H., ÜNAL C.  
1. Uluslararası Çiftlik Hayvanları Hekimliği Kongresi, Antalya, Turkey, 14 - 17 April 2019
- III. **Farklı Canlı Ağırlıklardaki Holstein Erkek Danaların Karkas Kompozisyonunun Kesim Öncesi Real Time Ultrason Cihazı ile Tahmin Edilmesi (The Assessment of Carcass Composition of Holstein Steers by Real-time Ultrasound at Two Different Liveweights)**  
ORMAN A., ÇALIŞKAN G. Ü., DİKMEN S., ÜSTÜNER H., ÜNAL C.  
I. Uluslararası Çiftlik Hayvanları Hekimliği Kongresi (I. International Farm Animal Medicine Congress), Fethiye-Muğla, Turkey, 14 - 17 April 2019
- IV. **W180:Reaction Norm Model of Body Temperature Response to Heat Stress in Beef Cattle**  
mateescu r., Sarlo Davila K., Hamblen H., DİKMEN S., Hansen P., Oltenacu P.  
Plant and Animal Genome Conference XXVII, San Diego, CA, United States Of America, 12 - 16 January 2019
- V. **W032: Genetics of Heat Stress Response in Cattle**  
mateescu r., Sarlo Davila K., Hamblen H., DİKMEN S., Hansen P., Oltenacu P.  
Plant and Animal Genome Conference XVII, San Diego, CA, United States Of America, 12 - 16 January 2019
- VI. **PSXI-37 - Differences in Thermoregulation Ability and Genetic Parameters of Skin Traits in Angus, Brahman and their Crossbreds**  
DİKMEN S., Mateescu R.  
The 2019 ASAS-CSAS Annual Meeting Trade Show, Austin, TX, 8 - 11 July 2019
- VII. **The effect of hygiene score on somatic cell count of cows reared in a compost bedded pack dairy barn**  
ALPAY F., ÜNAL C., ÇAVUŞOĞLU E., Mahamane Abdurrahmane İ., EFİL M. M., DİNÇEL D., OĞAN M. M., DİKMEN S.  
2018 ADSA® Annual Meeting Integrating Dairy Science Globally, Tennessee, United States Of America, 20 - 24 June 2018
- VIII. **Response to treatment with human chorionic gonadotropin on pregnancy rate of heat-stressed lactating cows: Interactions with parity and genotype**  
Zolini A., Ortiz W., Estrada E., DİKMEN S., Hansen P.  
44th Annual Conference of the International Embryo Technology Society, 13 - 16 January 2018, vol.30, pp.140
- IX. **Postnatal productive performance in bovine offspring derived from assisted reproductive technologies**  
Siqueira L. G., DİKMEN S., Hansen P.  
18th International Congress on Animal Reproduction, 26 June - 30 December 2016
- X. **Genetic solutions to infertility caused by heat stress**  
Hansen P., DİKMEN S., Cole J., Ortega M., Dahl G.  
2016 Joint Annual Meeting, United States Of America, 19 - 23 July 2016, vol.99, pp.405
- XI. **Genetic analysis of superovulation and embryo transfer traits in Holstein cattle**  
Parker Gaddis K., DİKMEN S., Cole J., Hansen P.  
2016 Joint Annual Meeting, United States Of America, 19 June - 23 July 2016, vol.99, pp.379
- XII. **the effects of different compost bedding components stage of lactation level of milk production and body weight on cow hygiene**  
ALPAY F., DİKMEN S., OĞAN M. M., meral y., ertürk m.  
1st international conference on tropical animal science and production, 26 - 29 July 2016
- XIII. **Kompost altlıkta yetiştirilen ineklerde hijyen skorunun süt verimi ve kalitesi üzerine etkisi**  
ALPAY F., DİKMEN S., OĞAN M. M., ÜNAL C., DİNÇEL D., EFİL M. M.  
VI. Veteriner Zootekni Kongresi, Turkey, 1 - 04 June 2016
- XIV. **Kompost altlıkta sistemlerde yetiştirilen ineklerde hijyen skorunun süt verimi ve kalitesi üzerine etkisi**  
ALPAY F., DİKMEN S., OĞAN M. M., ÜNAL C., ÇAVUŞOĞLU E., Dinçel D., EFİL M. M.

VI. Ulusal Veteriner Zootekni Kongresi, Turkey, 1 - 04 June 2016

**XV. Single nucleotide polymorphisms associated with thermoregulation in lactating dairy cows exposed to heat stress**

DİKMEN S., Wang X., Hansen P.

2015 ADSA-ASAS Joint Annual Meeting, Orlando, Florida, United States Of America, 12 - 16 July 2015, vol.98, pp.647

**XVI. Farklı Altılık Sistemlerinde Yetiştirilen Sütçü İneklerin Süt Kalitesi ve Sağlık Durumlarının İncelenmesi**

ALPAY F., DİKMEN S., OĞAN M. M., DİNÇEL D., EFİL M. M., KILIÇ İ.

Uludağ Üniversitesi IV. Bilgilendirme ve ARGE Günleri, Turkey, 11 - 13 November 2014

**XVII. Chick quality assesment: Visual scoring or chick length**

Petek M., Orman A., Alpay F., Dikmen S.

International Poultry Scientific Forum, Georgia, United States Of America, 21 - 22 January 2008, vol.87, no.1, pp.159

**XVIII. The Effects Of Egg Shape Index On Incubation Results Of Layer Breeders**

Yılmaz Dikmen B., Dikmen S.

International Poultry Scientific Forum, Atlanta, USA, Georgia, United States Of America, 21 - 22 January 2008, pp.27

## Supported Projects

ÇAVUŞOĞLU E., DİKMEN S., ORMAN A., SELVİ T. N., Project Supported by Higher Education Institutions, Kafes sisteminde yetiştirilen farklı genotipteki etlik piliçlerde (yavaş ve hızlı gelişen) besi performansı hayvan refahı ve davranışlarının araştırılması, 2022 - Continues

Hansen P., Dikmen S., Universities of Other Countries Supported Project, SEASONAL VARIATION IN RECTAL TEMPERATURE, FERTILITY AND MILK YIELD FOR COWS HOUSED IN TUNNEL VENTILATION BARN, 2017 - 2017

Alpay F., Oğan M. M., Dikmen S., Türkmen İ. İ., Gençoğlu H., Şimşek E., Yasloğlu E., Kılıç İ., Dinçel D., Project Supported by Higher Education Institutions, Farklı Altılık Sistemlerinde Yetiştirilen Sütçü İneklerin Süt Kalitesi ve Sağlık Durumlarının İncelenmesi, 2014 - 2017

Hansen P., Dikmen S., Industrial Organizations of Other Countries Supported Project, Farklı sığır ırklarında sıcak stresine dayanıklılığı sağlayan genlerin tespiti ve Holstein ırkı süt sığırlarına aktarılabilme olanakları, 2016 - 2016

Hansen P., Dikmen S., Project Supported by Private Organizations in Other Countries, Validation of discovery of genes controlling fertility in dairy cattle, 2014 - 2015

Oğan M. M., Dikmen S., Project Supported by Higher Education Institutions, Süt sığırlarında vücut yapısı özellikleri ve süt verimi arasındaki ilişkiler, 2010 - 2015

Hansen P., Dikmen S., Project Supported by Private Organizations in Other Countries, Development of tools to select cattle that are genetically resistant to heat stress, 2011 - 2012

Dikmen S., Project Supported by Higher Education Institutions, Sıcak koşullarda yetiştirilen süt sığırlarında bireysel farklılıkların verim özellikleri üzerine etkisi, 2010 - 2010

Petek M., Dikmen S., Project Supported by Higher Education Institutions, Broiler kümeslerinde petek serinletme sistemlerinin etkinliğini araştırmak için yeni bir yaklaşım, 2003 - 2004

## Memberships / Tasks in Scientific Organizations

European Federation of Animal Science, Member, 2024 - Continues, Italy

Federation of Animal Science Societies, Member, 2007 - Continues, United States Of America

American Dairy Science Association, Member, 2007 - Continues, United States Of America

Sigma Xi, Member, 2007 - 2008, United States Of America

## Scientific Refereeing

Translational Animal Science, Journal Indexed in ESCI, November 2020

TUBITAK Project, 1002 - Quick Support Program, Bursa Uludağ University, Turkey, September 2020

Project Supported by Higher Education Institutions, BAP Research Project, Selcuk University, Turkey, March 2020

## Scientific Research / Working Group Memberships

Ca22112 / European Network On Livestock Phenomics (Eu-Li-Phe), Bursa Uludağ University, Turkey, <https://e-services.cost.eu/action/CA22112/participants>, 2023 - Continues

Ca21139 / 3Rs Concepts To Improve The Quality Of Biomedical Science (Improve), Bursa Uludağ University, Turkey, <https://e-services.cost.eu/action/CA21139/participants>, 2023 - Continues

## Metrics

Publication: 106

Citation (WoS): 1370

Citation (Scopus): 1521

H-Index (WoS): 17

H-Index (Scopus): 19

## Congress and Symposium Activities

American Dairy Science Association 2024 Annual Meeting, Attendee, Florida, United States Of America, 2024

American Dairy Science Association 2024 Annual Meeting, Attendee, Florida, United States Of America, 2024

ASAS-CSAS Annual Meeting & Trade Show, Attendee, Wisconsin, United States Of America, 2020

## Scholarships

Genomewide Association Study on Thermotolerance Ability, Growth Performance and Meat Quality Traits in Beef Cattle, TUBITAK, 2018 - 2019

Süt sığırlarında sıcak stresi, TUBITAK, 2007 - 2008

Süt sığırlarında embriyo dondurma teknolojileri, Special Institutions and Organizations, 2001 - 2001

## Non Academic Experience

University of Florida

University of Florida

University of florida

Florida Üniversitesi

University of Florida

Florida Üniversitesi

Florida Üniversitesi

Florida Üniversitesi

Florida Üniversitesi

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Agricultural Research Organisation (ARO)