

# Prof. Halit İMİK

## Personal Information

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## International Researcher IDs

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## Education Information

Doctorate, Ataturk University, Selçuk Üniversitesi Sağlık Bilimleri Enstitüsü, Hayvan Besleme Ve Beslenme Hastalıkları Abd, Turkey 1991 - 1997

## Dissertations

Doctorate, Farklı Tanen Kaynaklarının Tiftik Keçilerinde YemTüketimi, Canlı Ağırlık Artışı, tiftik Verim ve Kalitesi üzerine Etkisi, Selçuk Üniversitesi, Veteriner Fakültesi, Zootekni Ve Hayvan Besleme , 1997

## Research Areas

Health Sciences, Veterinary Sciences, Pre-Clinical Sciences, Veterinary Pathology, Zootechnical and Animal Feed, Animal Nutrition and Nutritional Diseases

## Academic Titles / Tasks

Professor, Ataturk University, Veteriner Fakültesi, Zootekni ve Hayvan Besleme, 2001 - Continues

## Courses

Rasyon Hazırlama II, Doctorate, 2023 - 2024, 2021 - 2022

Rasyon Hazırlama I, Postgraduate, 2023 - 2024

Fonksiyonel Besleme, Doctorate, 2021 - 2022, 2020 - 2021

Hayvan Besleme ve Beslenme Hastalıkları III, Undergraduate, 2020 - 2021

## Advising Theses

Terim Kapakin K. A., İmik H., Buğday ve Mısır Gluteninin Kuzularda Besi Performansı ve Bazı Dokuların Antioksidan Histopatoloji İmmunohistokimyasal Parametreler Üzerine Etkisi, Doctorate, M.Burak(Student), 2022

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

- I. **The effect of dietary supplementation with natural antioxidants on growth performance, antioxidant capacity and intestinal microbial counts of broiler**  
GÜMÜŞ R., ERCAN N., ÖZBİLGİN A., MOĞULKOÇ M. N., İMİK H.  
JOURNAL OF THE HELLENIC VETERINARY MEDICAL SOCIETY, vol.75, no.2, pp.7441-7450, 2024 (SCI-Expanded)
- II. **Effects of dietary thyme and rosemary essential oils on biochemical parameters, anti-oxidant metabolism, small intestinal morphology and myofiber structure of superficial pectoral and biceps femoris muscles in broilers**  
GÜMÜŞ R., KARA H., ÖZKANLAR S., İMİK H., Celep N. A.  
VETERINARY RESEARCH FORUM, vol.14, no.5, pp.249-257, 2023 (SCI-Expanded)
- III. **The Effects of Dietary Wheat and Corn Glutens on the Histopathological and Immunohistochemical Structure of the Ovarian Tissue and Serum and Ovarian Tissue LH and FSH Levels and Lipid Profiles in Rats**  
İMİK H., TERİM KAPAKİN K. A., Karabulutlu Ö., GÜMÜŞ R., ÇOMAKLI S., ÖZKARACA M.  
BRAZILIAN ARCHIVES OF BIOLOGY AND TECHNOLOGY, vol.66, 2022 (SCI-Expanded)
- IV. **The Investigation of the Relationship Between HSP-27 Release and Oxidative DNA Damage in Broiler Chickens with Tibial Dyschondroplasia by Using Histopathological and Immunohistochemical Methods**  
Kapakin K. A., KAPAKİN S., İMİK H., GÜMÜŞ R., ESER G.  
BRAZILIAN JOURNAL OF POULTRY SCIENCE, vol.21, no.3, 2019 (SCI-Expanded)
- V. **The Effects of Fucoxanthin Dietary Inclusion on the Growth Performance, Antioxidant Metabolism and Meat Quality of Broilers**  
GÜMÜŞ R., Gelen U. S., KÖSEOĞLU S., ÖZKANLAR S., CEYLAN Z. G., İMİK H.  
BRAZILIAN JOURNAL OF POULTRY SCIENCE, vol.20, no.3, pp.487-496, 2018 (SCI-Expanded)
- VI. **The Effects of Fucoxanthin Dietary Inclusion on the Growth Performance, Antioxidant Metabolism and Meat Quality of Broilers**  
GÜMÜŞ R., URÇAR S., KÖSEOĞLU S., ÖZKANLAR S., CEYLAN Z. G., İMİK H.  
Brazilian Journal Of Poultry Science, vol.20, pp.487-496, 2018 (SCI-Expanded)
- VII. **Effects of the supplementation of lamb rations with oregano essential oil on the antimicrobial and antioxidant metabolism in meat**  
İmik H., Urçar Gelen S., Aydemir Atasever M., Gümüş R., Özlü H.  
TURKISH JOURNAL OF VETERINARY & ANIMAL SCIENCES, vol.42, pp.581-589, 2018 (SCI-Expanded)
- VIII. **The Effects of the Supplementation of Lamb Rations with Oregano Essential Oil on the Performance, Some Blood Parameters and Antioxidant Metabolism in Meat and Liver Tissues**  
GÜMÜŞ R., Erol H. S., İMİK H., Halici M. B.  
KAFKAS UNIVERSITESI VETERINER FAKULTESI DERGISI, vol.23, no.3, pp.395-401, 2017 (SCI-Expanded)
- IX. **The Effects of Different Amount of Protein and Vitamin E Supplementation in Rations on Lipid and Antioxidant Metabolism of Broilers Exposed to Heat Stress**  
Erol H. S., İMİK H., GÜMÜŞ R., HALICI M. B.  
BRAZILIAN JOURNAL OF POULTRY SCIENCE, vol.19, no.2, pp.289-295, 2017 (SCI-Expanded)
- X. **The effect of Yucca schidigera powder added to lamb feed on fattening performance, some blood parameters, the immune system, and the antioxidative metabolism of the hepatic tissue**  
İMİK H.  
TURKISH JOURNAL OF VETERINARY & ANIMAL SCIENCES, vol.40, pp.263-270, 2016 (SCI-Expanded)
- XI. **The effect of Yucca schidigera powder added to lamb feed on fattening performance, some blood parameters, the immune system, and the antioxidative metabolism of the hepatic tissue**  
GÜMÜŞ R., İMİK H.  
TURKISH JOURNAL OF VETERINARY & ANIMAL SCIENCES, vol.40, no.3, pp.263-270, 2016 (SCI-Expanded)
- XII. **Effect of Vit E on Secretion of HSP-70 in Testes of Broilers Exposed to Heat Stress**  
TERİM KAPAKİN K. A., İMİK H., GUMUS R., KAPAKİN S., SAĞLAM Y. S.

KAFKAS UNIVERSITESI VETERINER FAKULTESI DERGISI, vol.19, no.2, pp.305-310, 2013 (SCI-Expanded)

- XIII. **Meat quality of heat stress exposed broilers and effect of protein and vitamin E**  
İmik H., Atasever M., Urcar Gelen S., Ozlu H., Gumus R., Atasever M.  
British Poultry Science, vol.53, pp.689-698, 2012 (SCI-Expanded)
- XIV. **Effects of alpha-lipoic acid, vitamins E and C upon the heat stress in Japanese quails**  
HALICI M. B., İMİK H., Koc M., Gumus R.  
JOURNAL OF ANIMAL PHYSIOLOGY AND ANIMAL NUTRITION, vol.96, no.3, pp.408-415, 2012 (SCI-Expanded)
- XV. **Effects of ascorbic and alpha-lipoic acid on secretion of HSP-70 and apoptosis in liver and kidneys of broilers exposed to heat stress**  
TERİM KAPAKİN K. A., GUMUS R., İMİK H., KAPAKİN S., SAĞLAM Y. S.  
ANKARA UNIVERSITESI VETERINER FAKULTESI DERGISI, vol.59, no.4, pp.279-287, 2012 (SCI-Expanded)
- XVI. **Effects of ascorbic acid and  $\alpha$ -lipoic acid on performance and meat quality of broilers subjected to heat stress.**  
İmik H., Özlü H., Gumus R., Atasever M., Urcar Gelen S., Atasever M.  
British poultry science, vol.53, pp.800-8, 2012 (SCI-Expanded)
- XVII. **The effect of tibial dyschondroplasia on metabolic parameters in broiler chickens**  
İMİK H., TERİM KAPAKİN K. A., GUMUS R., KAPAKİN S., KURT A.  
ANKARA UNIVERSITESI VETERINER FAKULTESI DERGISI, vol.59, no.4, pp.271-277, 2012 (SCI-Expanded)
- XVIII. **Effects of sodium bicarbonate, polyethylene glycol and methionine added to rations with sorghum (*Sorghum vulgare*) in fattening lambs on growth performance, wool quality and some blood biochemical markers**  
İMİK H., Gunlu A.  
REVUE DE MEDECINE VETERINAIRE, vol.162, pp.432-439, 2011 (SCI-Expanded)
- XIX. **Effects of sodium bicarbonate, polyethylene glycol and methionine added to rations with sorghum (*Sorghum vulgare*) in fattening lambs on growth performance, wool quality and some blood biochemical markers**  
İMİK H.  
REVUE DE MEDECINE VETERINAIRE, vol.162, pp.432-438, 2011 (SCI-Expanded)
- XX. **Effects of dietary antioxidant supplementation on the adrenal glands in quails (*Coturnix coturnix japonica*) reared under heat stress**  
Özdemir D., Ozudogru Z., İmik H., Can M., Sunar M.  
REVUE DE MEDECINE VETERINAIRE, vol.162, pp.8-12, 2011 (SCI-Expanded)
- XXI. **Effect of dietary supplementation of some antioxidants on growth performance carcass composition and breast meat characteristics in quails reared under heat stress**  
İmik H., Aydemir Atasever M., Koç M., Atasever M., Korhan Ö.  
Czech Journal Of Animal Science, vol.5, pp.211-222, 2010 (SCI-Expanded)
- XXII. **EFFECTS OF VITAMIN E, C, AND alpha-LIPOIC ACID SUPPLEMENTATION ON THE SERUM GLUCOSE, LIPID PROFILE, AND PROTEINS IN QUAILS UNDER HEAT STRESS**  
İMİK H., ÖZKANLAR S., KAYNAR Ö., KOÇ M.  
BULLETIN OF THE VETERINARY INSTITUTE IN PULAWY, vol.53, no.3, pp.521-526, 2009 (SCI-Expanded)
- XXIII. **Effects of Different Proportions of Sorghum (*Sorghum vulgare*) in the Rations on Serum Glucose, Lipids, Proteins Glutathione Peroxidase and Malondialdehyde Parameters in Laying Hens**  
İMİK H., Yildirim A. K., POLAT H., Gumus R.  
KAFKAS UNIVERSITESI VETERINER FAKULTESI DERGISI, vol.15, no.3, pp.417-422, 2009 (SCI-Expanded)
- XXIV. **Gastroprotective and Anti-oxidative Properties of Ascorbic Acid on Indomethacin-induced Gastric Injuries in Rats**  
KOÇ M., İMİK H., ODABAŞOĞLU F.  
BIOLOGICAL TRACE ELEMENT RESEARCH, vol.126, pp.222-236, 2008 (SCI-Expanded)
- XXV. **Determination of some digestibility of nutrients, rumen and blood metabolites of Akkaraman rams fed low-tannin sorghum and other conventional feeds**  
İMİK H., Dogan S. T., Aylanc A., Aytac M.

- ANKARA UNIVERSİTESİ VETERİNER FAKÜLTESİ DERGİSİ, vol.55, no.3, pp.177-182, 2008 (SCI-Expanded)
- XXVI. **Effects of additives on laying performance, metabolic profile, and egg quality of hens fed a high level of sorghum (*Sorghum vulgare*) during the peak laying period**  
İMİK H., HAYIRLI A., TURGUT L., LACIN E., CELEBİ S., KOC F., YILDIZ L.  
ASIAN-AUSTRALASIAN JOURNAL OF ANIMAL SCIENCES, vol.19, no.4, pp.573-581, 2006 (SCI-Expanded)
- XXVII. **Feeding laying hens low-tanning sorghum does not necessitate extra supplements (methionine, lysine, choline or sulfur)**  
İMİK H., HAYIRLI A., TURGUT L., LAÇİN E., ÇELEBİ Ş., KOC F., YILDIZ L.  
POULTRY SCIENCE, vol.85, pp.106, 2006 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Effects of wheat and corn gluten on growth performance, histopathologic and autoimmune metabolism of entero-hepatic tissue in lambs**  
Can M. B., İmik H., Terim Kapakin K. A.  
Journal of the Hellenic Veterinary Medical Society, vol.75, no.3, pp.8007-8016, 2024 (Peer-Reviewed Journal)
- II. **ANIMAL PRODUCTION AND ITS IMPORTANCE IN THE ECONOMIC DEVELOPMENT OF BAYBURT PROVINCE**  
Can M. B., Cengiz B. N., İmik H.  
Veteriner farmakoloji ve toksikoloji derneği bülteni (Online), vol.15, no.1, pp.23-38, 2024 (Peer-Reviewed Journal)
- III. **Bitlis ili Mutki ilçesinde koyun keçi yetiştiren işletmelerin temel hayvan besleme bilgi düzeylerinin araştırılması**  
YILDIRIM S., İMİK H., GÜNLÜ A.  
Mehmet Akif Ersoy Üniversitesi Veteriner Fakültesi Dergisi, vol.6, no.2, pp.48-56, 2021 (Peer-Reviewed Journal)
- IV. **Ayak Hastalıklı Broilerde Antioksidan Metabolizma ve Kemik Dokusunda Oluşan Değişikliklerin Belirlenmesi**  
KÖSEOĞLU S., İMİK H.  
Atatürk Üniversitesi Veteriner Bilimler Dergisi, vol.15, no.3, pp.216-222, 2020 (Scopus)
- V. **The Effect of High Amounts of Wheat Gluten Meal and Corn Gluten Meal Added to the Diets on Some Serum Parameters in Rats**  
GÜMÜŞ R., ERCAN N., İMİK H.  
Turkish Journal of Agriculture - Food Science and Technology, vol.8, no.3, pp.698-701, 2020 (Peer-Reviewed Journal)
- VI. **Streptozotisin ile Diyabet Oluşturulan Ratlarda Beyaz Dut Ekstraktının Performans, Antiinflamatuvar ve Serum Antioksidan Parametreleri Üzerine Etkisi**  
İNANÇ Z. S., KARACA H., İPEK V., BALKAN B. M., ÇORUM O., GÜNGÖR Ş., İNANÇ M. E., İMİK H., ATA A.  
Kocatepe Veterinary Journal, vol.13, no.1, pp.1-10, 2020 (Peer-Reviewed Journal)
- VII. **The Effect of Thyme Essential Oil Added to Quail Diets on Antioxidative Metabolism in Breast Meat**  
GÜMÜŞ R., ERCAN N., İMİK H.  
Erciyes Üniversitesi Veteriner Fakültesi Dergisi, vol.15, no.2, pp.142-147, 2018 (Peer-Reviewed Journal)
- VIII. **The effect of the supplementation of lamb feed with *Yucca schidigera* on the lipid oxidation, color, physico-chemical and microbiological properties in meat**  
İmik H., Gümüş R., Özlü H., Aydemir Atasever M., Urçar Gelen S.  
Asian Journal of Medical and Biological Research, vol.4, pp.86, 2018 (Peer-Reviewed Journal)
- IX. **The Effect of Thyme Essential Oil Added to Quail Diets on Antioxidative Metabolism in Breast Meat**  
GÜMÜŞ R., ERCAN N., İMİK H.  
Erciyes Üniv Vet Fak Derg, vol.15, no.2, pp.142-147, 2018 (Peer-Reviewed Journal)
- X. **Histopathological and Immunohistochemical Changes in the Liver Caused by Oregano Essential Oil Added to the Rations of Lambs at Different Doses**  
GÜMÜŞ R., TERİM KAPAKIN K. A., ÇOMAKLI S., SAĞLAM Y. S., İMİK H.

- Scholars Journal of Agriculture and Veterinary Sciences, vol.5, no.2, pp.98-103, 2018 (Peer-Reviewed Journal)
- XI. **Bıldırıcın Rasyonuna Katılan Kekik Uçucu Yağının Göğüs Etinin Bazı Mikrobiyolojik ve Fizikokimyasal Özelliklerine Etkisi**  
GÜMÜŞ R., URÇAR S., CEYLAN Z. G., İMİK H.  
Fırat Üniversitesi Sağlık Bilimleri Veteriner Dergisi, vol.31, no.3, pp.153-158, 2017 (Peer-Reviewed Journal)
- XII. **Etlık Piliç Rasyonuna İlave Edilen Fukoksantinın Bazı Kan Parametreleri Üzerine Etkisi**  
GÜMÜŞ R., İMİK H.  
Türk Tarım - Gıda Bilim ve Teknoloji Dergisi, vol.5, no.11, pp.1379-1382, 2017 (Peer-Reviewed Journal)
- XIII. **Bıldırıcın Rasyonuna Katılan Kekik Uçucu Yağının Göğüs Etinin Bazı Mikrobiyolojik ve Fizikokimyasal Özelliklerine Etkisi**  
GÜMÜŞ R., URÇAR S., CEYLAN Z. G., İMİK H.  
F.Ü.Sağ.Bil.Vet.Derg., vol.31, pp.153-158, 2017 (Peer-Reviewed Journal)
- XIV. **Effects of dietary Vitamin C and  $\alpha$ -lipoic acid supplementation on antioxidant metabolism in liver and drumstick meat tissues for heat stress-exposed broilers Sicaklık Stresine Maruz Kalan Broylerlerin Rasyonuna Katılan Vitamin C ve  $\alpha$ -Lipoik Asidin Karaciğer ile But Etinde Antioksidan Metabolizma Üzerine Etkisi**  
Gümüş R., İmik H., Erol H. S., Özkanlar S., Halıcı M. B.  
Ataturk Üniversitesi Veteriner Bilimleri Dergisi, vol.12, no.3, pp.242-249, 2017 (Scopus)
- XV. **Kuzu Rasyonuna Yucca Schidigera Tozu İlavesinin Rumen Total Protozoa Sayısı ve pH sı Üzerine Etkisi**  
GÜMÜŞ R., İMİK H.  
Atatürk Üniversitesi Veteriner Bilimleri Dergisi, vol.11, no.2, pp.159-165, 2016 (Scopus)
- XVI. **Effects of Vitamin E Tocopherol acetate on Serum Lipid Profile Ca and P Levels of Broilers Exposed to Heat Stress**  
GÜMÜŞ R., İMİK H.  
Scholars Journal of Agriculture and Veterinary Sciences, vol.3, no.2, pp.105-110, 2016 (Peer-Reviewed Journal)
- XVII. **Use of saponins as feed additive in animal nutrition**  
GÜMÜŞ R., İMİK H.  
Atatürk Üniversitesi Veteriner Bilimleri Dergisi, vol.7, no.3, pp.221-229, 2012 (Peer-Reviewed Journal)
- XVIII. **General Characteristic of Dairy Cattle Enterprises in Afyon Province and Productivity and Profitability Analysis**  
GÜNLÜ A., İMİK H., TEKERLİ M.  
Lalahan Hayvancılık Araştırma Enstitüsü Dergisi, 2001 (Peer-Reviewed Journal)
- XIX. **Afyon İli Süt Sığırılık İşletmelerinin Genel Özellikleri ile Karlılık ve Verimlilik Analizleri**  
GÜNLÜ A., İMİK H., TEKERLİ M.  
Lalahan Hayvancılık Araştırma Enstitüsü Dergisi, vol.41, no.1, pp.1-12, 2001 (Peer-Reviewed Journal)
- XX. **Farklı tanen kaynaklarının tiftik keçilerinde yem tüketimi canlı ağırlık artışı tiftik verimi ve kalitesi üzerine etkisi**  
İMİK H., ŞEKER E.  
Lalahan Hayvancılık Araştırma Enstitüsü Dergisi, vol.39, no.1, pp.85-100, 1999 (Peer-Reviewed Journal)

## **Books & Book Chapters**

### **I. Yem Katkı Maddesi Olarak Antinütrisyonel Faktörlerin Kullanım Olanakları**

İMİK H.

in: Yemlerde Bulunan Antinütrisyonel Maddeler ve Hayvanlar Üzerindeki Etkileri, Mehmet GÜL, Editor, Türkiye Klinikleri, Ankara, pp.49-54, 2022

## Refereed Congress / Symposium Publications in Proceedings

- I. **MORKARAMAN CINSI TOKLULARDA GLUTEN İLE BESLEMENİN KESİM VE KARKAS ÖZELLİKLERİ**  
CAN M. B., İMİK H.  
5. INTERNATIONAL FOOD, AGRICULTURE AND VETERINARY SCIENCES CONGRESS, Kars, Turkey, 17 March 2023, pp.297-303
- II. **The of wheat and corn glutens added to in diet of female rats histopathological investigation of the effects of on uterine**  
İMİK H., GÜMÜŞ R., TERİM KAPAKİN K. A., BOLAT İ.  
Ganud International Conference on Gastronomy, Nutrition and Dietetics, Gaziantep, Turkey, 22 - 24 November 2019
- III. **Histopathological investigation of the effects of wheat and corn glutens with soya protein on the intestinal system in female rats**  
İMİK H., TERİM KAPAKİN K. A., GÜMÜŞ R., ESER G.  
Ganud International Conference on Gastronomy, Nutrition and Dietetics, Gaziantep, Turkey, 22 - 24 November 2019
- IV. **Chemical structure of glutens and its importance in nutrition**  
İMİK H., GÜMÜŞ R., İNANÇ Z. S.  
ATAVET 1. International (2. International Participants) Student Congress, Erzurum, Turkey, 4 - 06 December 2019, pp.241-250
- V. **GLUTENLERİN KİMYASAL YAPISI VE BESLEMEDEKİ ÖNEMİ**  
İMİK H., GÜMÜŞ R., İNANÇ Z. S.  
ATAVET 1. International(2. International Participants) Student Congress, 4 - 06 December 2019
- VI. **RUMİNANTLARDA BESLENME DÖL VERİMİ İLİŞKİSİ**  
İNANÇ Z. S., İMİK H.  
ATAVET 1. International(2. International Participants) Student Congress, 4 - 06 December 2019
- VII. **ROYLERLERİN BUT VE GÖĞÜS ETİ DOKULARINDAKİ ANTİOKSİDANMETABOLİZMA ÜZERİNE AYAK HASTALIĞININ ETKİSİ**  
KÖSEOĞLU S., İMİK H.  
GANUD INTERNATIONAL CONFERENCE ON GASTRONOMY, NUTRITION AND DIETETICS, 22 November 2019 - 24 January 2020
- VIII. **RATLARDA UTERUS DOKUSU ÜZERİNE BUĞDAY VE MISIR GLÜTENİNİN HİSTOPATOLOJİK ETKİLERİNİN BELİRLENMESİ**  
İMİK H., GÜMÜŞ R., TERİM KAPAKİN K. A., BOLAT İ.  
GANUD INTERNATIONAL CONFERENCE ON GASTRONOMY, NUTRITION AND DIETETICS, 22 November 2019 - 24 January 2020
- IX. **DİŞİ RATLARA VERİLEN BUĞDAY VE MISIR GLÜTENLERİ İLE SOYAPROTEİNİNİN BAĞIRSAK SİSTEMİ ÜZERİNE ETKİLERİNİN HİSTOPATOLOJİK OLARAK İNCELENMESİ**  
İMİK H., TERİM KAPAKİN K. A., GÜMÜŞ R., ESER G.  
GANUD INTERNATIONAL CONFERENCE ON GASTRONOMY, NUTRITION AND DIETETICS, 22 November 2019 - 24 January 2020
- X. **The Effects of Soybean Meal, Wheat Gluten and Corn Gluten on Serum Lipid Profile in Male Rats**  
GÜMÜŞ R., ERCAN N., İMİK H.  
International Erciyes Agriculture, Animal Food Sciences Conference, 24 - 27 April 2019, pp.395-398
- XI. **The effects of different protein resources in dietary supplementations on the levels of serum, lipid and protein profiles with some minerals for female rats**  
GÜMÜŞ R., ERCAN N., İMİK H.  
International Erciyes Agriculture, Animal Food Sciences Conference, Kayseri, Turkey, 24 - 27 April 2019
- XII. **The effects of soybean meal, wheat gluten and corn gluten on serum lipid profile in male rats**  
GÜMÜŞ R., ERCAN N., İMİK H.  
International Erciyes Agriculture, Animal Food Sciences Conference, Kayseri, Turkey, 24 - 27 April 2019

- XIII. **SOYA KÜSPESİ, BUĞDAY GLÜTENİ VE MISIR GLÜTENİNİN ERKEK RATLARDASERUM LİPİD PROFİLİ ÜZERİNE ETKİSİ**  
GÜMÜŞ R., ERCAN N., İMİK H.  
International Erciyes Agriculture, Animal Food Sciences Conference, 24 - 27 April 2019
- XIV. **RASYONA KATILAN FARKLI PROTEİN KAYNAKLARININ DİŞİ RATLARDA SERUMLİPİD VE PROTEİN PROFİLLERİ İLE BAZI MİNERAL SEVİYELERİ ÜZERİNE ETKİSİ**  
GÜMÜŞ R., ERCAN N., İMİK H.  
International Erciyes Agriculture, Animal Food Sciences Conference, 24 - 27 April 2019
- XV. **TİBİAL DİSKONDOPLAZİLİ BROLİLER TAVUKLARINDA HSP- 27 SALINIMI VE OKSİDATİF DNA HASARI ARASINDAKİ İLİŞKİNİN HİSTOPATOLOJİK VE İMMUNOHİSTOKİMYASAL YÖNTEMLERLE ARAŞTIRILMASI**  
TERİM KAPAKİN K. A., KAPAKİN S., İMİK H., GUMUS R.  
II. International Scientific and Vocational Studies Congress, Nevşehir, Turkey, 5 - 08 July 2018, pp.1008-1009
- XVI. **Tibial diskondoplazili broiler tavuklarında hsp- 27 salınımı ve oksidatif dna hasarı arasındaki ilişkinin histopatolojik ve immunohistokimyasal yöntemlerle araştırılması**  
TERİM KAPAKİN K. A., KAPAKİN S., İMİK H., GÜMÜŞ R.  
II. Uluslararası Bilimsel ve Mesleki Çalışmalar Sempozyumu (BİLMES 2018), 5 - 08 July 2018
- XVII. **General Characteristics and Production Problems of Milk Industry Enetrprises In Ardahan Province**  
MAT B., TOPAL B., İMİK H., GÜNLÜ A., ÇEVİRİMLİ M. B.  
4TH INTERNATIONAL CONGRESS ON VETERINARY AND ANIMAL SCIENCES, 12 - 15 July 2018
- XVIII. **I. INTERNATIONAL CONGRESS ON MEDICINAL AND AROMATIC PL ANTS**  
İMİK H., URÇAR GELEN S., AYDEMİR ATASEVER M., GÜMÜŞ R., ÖZLÜ H.  
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### **Scientific Refereeing**

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### **Metrics**

Publication: 82

Citation (WoS): 268

Citation (Scopus): 300

H-Index (WoS): 10

H-Index (Scopus): 10

### **Non Academic Experience**

GIDA TARIM VE HAYVANCILIK BAKANLIĞI