

## **Assoc. Prof. Mehmet Cemal ADIGÜZEL**

### **Personal Information**

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### **International Researcher IDs**

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Yoksis Researcher ID: 104618

### **Education Information**

Doctorate, Istanbul University, Veteriner Fakültesi, Mikrobiyoloji Anabilim Dalı, Turkey 2011 - 2016

Undergraduate, Ataturk University, Veteriner Fakültesi, Turkey 2006 - 2010

Undergraduate, Kafkas University, Faculty Of Veterinary Medicine, Turkey 2005 - 2005

### **Foreign Languages**

English, B2 Upper Intermediate

### **Dissertations**

Doctorate, KANATLILARDAN İZOLE EDİLEN TERMOFİLİK KAMPİLOBAKTER TÜRLERİNDE KİNOLON DİRENCİNİN FENOTİPİK VE GENOTİPİK OLARAK BELİRLENMESİ, Atatürk Üniversitesi, Veteriner Fakültesi, Mikrobiyoloji Anabilim Dalı, 2016

### **Research Areas**

Health Sciences, Veterinary Sciences, Pre-Clinical Sciences, Veterinary Microbiology

### **Academic Titles / Tasks**

Associate Professor, Ataturk University, Veteriner Fakültesi, Klinik Öncesi Bilimleri, 2021 - Continues

Assistant Professor, Ataturk University, Veteriner Fakültesi, Klinik Öncesi Bilimleri, 2018 - Continues

Assistant Professor, Ataturk University, Veteriner Fakültesi, Klinik Öncesi Bilimleri, 2017 - 2018

Research Assistant PhD, Ataturk University, Veteriner Fakültesi, Klinik Öncesi Bilimleri, 2016 - 2017

Research Assistant, Istanbul University, Veteriner Fakültesi, Klinik Öncesi Bilimler Bölümü, 2011 - 2016

Research Assistant, Ataturk University, Veteriner Fakültesi, Klinik Öncesi Bilimleri, 2011 - 2011

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

- I. A Comprehensive Study on Peppermint Oil and Cinnamon Oil as Nanoemulsion: Preparation,

- Stability, Cytotoxicity, Antimicrobial, Antifungal, and Antioxidant Activity**  
Özkar E., Alparslan A. L., Adığüzel M. C., Torkay G., Baran A., Bal Öztürk A., Sevinç Özkar R.  
CURRENT DRUG DELIVERY, vol.21, no.4, pp.603-622, 2024 (SCI-Expanded)
- II. Prevalence and antimicrobial resistance of *Campylobacter* species in shelter-housed healthy and diarrheic cats and dogs in Turkey**  
Yıldız M., Sahin O., ADIGÜZEL M. C.  
Veterinary Medicine and Science, vol.10, no.1, 2024 (SCI-Expanded)
- III. Prevalence and clonal diversity of methicillin-resistant *Staphylococcus aureus* and methicillin-resistant *Staphylococcus pseudintermedius* isolated from dogs and cats with eye discharge.**  
Cengiz S., Okur S., Oz C., Turgut F., Gumurcinler B., Sevuk N. S., Kekec A. I., Cepoglu H., Sevimli U., Adiguzel M. C.  
Acta microbiologica et immunologica Hungarica, vol.70, no.2, pp.134-141, 2023 (SCI-Expanded)
- IV. Preparation, Characterization of Chitosan-Coated/Uncoated Boron Nanoparticles and In-Vitro Evaluation of Their Antimicrobial Effects**  
Ozakar R., BİNGÖL M. S., ADIGÜZEL M. C., ÖZAKAR E.  
POLYMER-KOREA, vol.46, no.6, pp.709-721, 2022 (SCI-Expanded)
- V. Influence of Single Dose Enrofloxacin Injection on Development of Fluoroquinolone Resistance in *Campylobacter jejuni* in Calves**  
Goulart D. B., Beyi A. F., Wu Z., Adiguzel M. C., Wilson S., Xu C., Pang J., Dewell R., Dewell G. A., Plummer P. J., et al.  
ANTIBIOTICS-BASEL, vol.11, no.10, 2022 (SCI-Expanded)
- VI. Nanoemulsion-Based Hydrogels and Organogels Containing Propolis and Dexpanthenol: Preparation, Characterization, and Comparative Evaluation of Stability, Antimicrobial, and Cytotoxic Properties**  
Sevinc-Ozakar R., Seyret E., ÖZAKAR E., ADIGÜZEL M. C.  
GELS, vol.8, no.9, 2022 (SCI-Expanded)
- VII. Prevalence, Mechanism, Genetic Diversity, and Cross-Resistance Patterns of Methicillin-Resistant *Staphylococcus* Isolated from Companion Animal Clinical Samples Submitted to a Veterinary Diagnostic Laboratory in the Midwestern United States**  
ADIGÜZEL M. C., Schaefer K., Rodriguez T., Ortiz J., Sahin O.  
ANTIBIOTICS-BASEL, vol.11, no.5, 2022 (SCI-Expanded)
- VIII. Effect of Danofloxacin Treatment on the Development of Fluoroquinolone Resistance in *Campylobacter jejuni* in Calves**  
Goulart D. B., Beyi A. F., Wu Z., Adiguzel M. C., Schroeder A., Singh K., Xu C., Ocal M. M., Dewell R., Dewell G. A., et al.  
ANTIBIOTICS-BASEL, vol.11, no.4, 2022 (SCI-Expanded)
- IX. Genomic characterization, antimicrobial resistance profiles, enterotoxin, and biofilm production of methicillin-resistant *Staphylococcus aureus* isolated from clinical and animal products origins in Eastern Turkey**  
BARAN A., ÖZ C., CENGİZ S., ADIGÜZEL M. C.  
PESQUISA VETERINARIA BRASILEIRA, vol.42, 2022 (SCI-Expanded)
- X. Detection of *Pasteurella multocida*, *Mannheimia haemolytica*, *Histophilus somni* and *Mycoplasma bovis* in cattle lung**  
Cengiz S., Adığüzel M. C., Dinç G.  
Revista Mexicana de Ciencias Pecuarias, vol.12, no.3, pp.710-720, 2021 (SCI-Expanded)
- XI. Distribution of CRISPR Types in Fluoroquinolone-Resistant *Campylobacter jejuni* Isolates**  
ADIGÜZEL M. C., Goulart D. B., Wu Z., Pang J., CENGİZ S., Zhang Q., Sahin O.  
PATHOGENS, vol.10, no.3, 2021 (SCI-Expanded)
- XII. Prevalence of Colistin Resistance in *Escherichia coli* in Eastern Turkey and Genomic Characterization of an mcr-1 Positive Strain from Retail Chicken Meat**  
Adiguzel M. C., Baran A., Wu Z., Cengiz S., Dai L., Oz C., Ozmenli E., Goulart D., Sahin O.  
Microbial Drug Resistance, vol.27, no.3, pp.424-432, 2021 (SCI-Expanded)
- XIII. Molecular serotyping of *Salmonella* strains isolated from retail chicken meats by in silico derived multiplex PCR, determination of ESBL, and colistin resistance genes mcr-1 to -5**  
ADIGÜZEL M. C., CENGİZ S., BARAN A.

- VETERINARSKI ARHIV, vol.91, no.2, pp.179-187, 2021 (SCI-Expanded)
- XIV. **Bacterial Cross-Contamination in a Veterinary Ophthalmology Setting**  
Gentile D., Allbaugh R. A., Adiguzel M. C., Kenne D. E., Sahin O., Sebbag L.  
FRONTIERS IN VETERINARY SCIENCE, vol.7, 2020 (SCI-Expanded)
- XV. **Investigation and sequence analysis of avian polyomavirus and psittacine beak and feather disease virus from companion birds in eastern Turkey**  
ADIGÜZEL M. C., TİMURKAN M. Ö., CENGİZ S.  
JOURNAL OF VETERINARY RESEARCH, vol.64, no.4, pp.495-501, 2020 (SCI-Expanded)
- XVI. **Prevalence of Antibiotic-Resistant and Extended-Spectrum Beta-Lactamase-Producing Escherichia coli in Chicken Meat from Eastern Turkey**  
Baran A., Adiguzel M. C., Yüksel M.  
PAKISTAN VETERINARY JOURNAL, vol.40, no.3, pp.355-359, 2020 (SCI-Expanded)
- XVII. **Antimicrobial resistance profiles of Escherichia coli isolated from companion birds**  
DİREN SİĞIRCI B., ÇELİK B., HALAÇ B., ADIGÜZEL M. C., Kekec I., METİNER K., İKİZ S., BAĞCİGİL A. F., Ozgur N. Y., AK S., et al.  
JOURNAL OF KING SAUD UNIVERSITY SCIENCE, vol.32, no.1, pp.1069-1073, 2020 (SCI-Expanded)
- XVIII. **Determination of virulence factors and antimicrobial resistance of E. coli isolated from calf diarrhea, part of eastern Turkey**  
Cengiz S., Adiguzel M. C.  
ANKARA UNIVERSITESI VETERINER FAKULTESI DERGİSİ, vol.67, no.4, pp.365-371, 2020 (SCI-Expanded)
- XIX. **SOME SPECIFIC MICROBIOLOGICAL PARAMETERS AND PREVALENCE OF SALMONELLA spp. IN RETAIL CHICKEN MEAT FROM ERZURUM PROVINCE, TURKEY AND CHARACTERIZATION OF ANTIBIOTIC RESISTANCE OF ISOLATES**  
Baran A., Erdoğan A., Kavaz A., Adiguzel M. C.  
BIOSCIENCE JOURNAL, vol.35, no.3, pp.878-891, 2019 (SCI-Expanded)
- XX. **Phenotypic and genotypic examination of antimicrobial resistance in thermophilic Campylobacter species isolated from poultry in Turkey**  
ADIGÜZEL M. C., Sigirci B. D., Celik B., Kahraman B. B., Metiner K., Ikiz S., Bagcigil A. F., Ak S., Ozgur N. Y.  
JOURNAL OF VETERINARY RESEARCH, vol.62, no.4, pp.463-468, 2018 (SCI-Expanded)
- XXI. **Prevalence and Antimicrobial Resistance of Thermophilic Campylobacter Isolates from Raw Chicken Meats**  
Issa G., Basaran Kahraman B., ADIGÜZEL M. C., Yilmaz Eker F., Akkaya E., Bayrakal G. M., KOLUMAN A., Kahraman T.  
KAFKAS UNIVERSITESI VETERINER FAKULTESI DERGİSİ, vol.24, no.5, pp.701-707, 2018 (SCI-Expanded)
- XXII. **A Comparative Study on Detection of Bartonella henselae Infection by Culture Followed by PCR, Nested-PCR and IFA**  
Sigirci B. D., Celik B., Kahraman B. B., Gumus B., Metiner K., Adiguzel M. C., Ikiz S., Bagcigil A. F., Ozgur N. Y., Ak S.  
KAFKAS UNIVERSITESI VETERINER FAKULTESI DERGİSİ, vol.23, no.2, pp.333-337, 2017 (SCI-Expanded)
- XXIII. **Determination of Ampicillin Resistant Enterococci (Are) Isolated From Canine and Feline Rectal Swabs**  
Çelik B., Bağcigil A. F., Koehemsi L., ADIGÜZEL M. C., Or E., Ak S.  
İstanbul Üniversitesi Veteriner Fakültesi Dergisi, vol.43, no.1, pp.1-6, 2017 (SCI-Expanded)
- XXIV. **Determination of Ampicillin Resistant Enterococci (Are) Isolated From Canine and Feline Rectal Swabs**  
Çelik B., Bağcigil A. F., Koehemsi L., ADIGÜZEL M. C., Or E., Ak S.  
İstanbul Üniversitesi Veteriner Fakültesi Dergisi, vol.43, no.1, pp.1-6, 2017 (SCI-Expanded)
- XXV. **Detection of Extended-spectrum beta-lactamase and AmpC beta-lactamase Producing Escherichia coli Isolates from Chickens**  
Basaran Kahraman B., Diren Sigirci B., Celik B., Gumus B., Metiner K., Adiguzel M. C., Bagcigil A. F., Ikiz S., Ozgur N. Y., Ak S.  
KAFKAS UNIVERSITESI VETERINER FAKULTESI DERGİSİ, vol.22, no.4, pp.591-596, 2016 (SCI-Expanded)
- XXVI. **The Effect of Different Storage Temperatures and Times on the Viability of Helicobacter pullorum**

- Basaran Kahraman B., Metiner K., Diren Sigirci B., Çelik B., ADIGÜZEL M. C., Bağcigil A. F., İkiz S., Özgür N. Y., Ak S.  
KAFKAS UNIVERSITESI VETERINER FAKULTESI DERGİSİ, vol.22, no.3, pp.457-459, 2016 (SCI-Expanded)
- XXVII. The Effect of Different Storage Temperatures and Times on the Viability of *Helicobacter pullorum***  
Basaran Kahraman B., Metiner K., Diren Sigirci B., Çelik B., ADIGÜZEL M. C., Bağcigil A. F., İkiz S., Özgür N. Y., Ak S.  
KAFKAS UNIVERSITESI VETERINER FAKULTESI DERGİSİ, vol.22, no.3, pp.457-459, 2016 (SCI-Expanded)

## Articles Published in Other Journals

- I. **25-Hydroxyvitamin D and Parathyroid Hormone Concentrations in Cattle with Dermatophytosis**  
Değirmençay Ş., Eroğlu M. S., Kıraç A., Adıgüzel M. C.  
Fırat Üniversitesi Sağlık Bilimleri Veteriner Dergisi, vol.37, no.1, pp.26-31, 2023 (Peer-Reviewed Journal)
- II. **Pathogenic Bacteria Present in the Lochia First 10–Day Postpartum Prolongs Days Open in Dairy Cows**  
ADIGÜZEL M. C., CENGİZ S., CENGİZ M., HAYIRLI A.  
Atatürk Üniversitesi Veteriner Bilimleri Dergisi, vol.16, no.1, pp.32-40, 2021 (Scopus)
- III. **Some Physicochemical and Microbiological Properties of Cow Milks Collected from Local Dairy Delicatessens in Erzurum, Turkey**  
Baran A., Adıgüzel M. C.  
KSU TARIM VE DOĞA DERGİSİ-KSU JOURNAL OF AGRICULTURE AND NATURE, vol.23, no.2, pp.493-505, 2020 (ESCI)
- IV. **COVID-19 pandemic in food safety perspective**  
BARAN A., ADIGÜZEL M. C.  
Eurasian Journal of Veterinary Sciences, pp.122-125, 2020 (Peer-Reviewed Journal)
- V. **A New Therapeutic Approach to Foods: microRNA**  
Baran A., Erdoğan A., Turgut T., Adıgüzel M. C.  
Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.12, no.3, pp.1266-1274, 2019 (Peer-Reviewed Journal)
- VI. **A review on the presence of *Staphylococcus aureus* in cheese**  
BARAN A., ERDOĞAN A., TURGUT T., ADIGÜZEL M. C.  
TÜRK DOĞA VE FEN DERGİSİ, vol.6, pp.100-105, 2017 (Peer-Reviewed Journal)
- VII. **Köpek ve Kedi Rektal Svaklarından İzole Edilen Ampisin-Dirençli Enterokokların İncelenmesi**  
ÇELİK B., BAĞCİGİL A. F., KOENHEMSİ L., ADIGÜZEL M. C., OR M. E., AK S.  
İstanbul Üniversitesi Veteriner Fakültesi Dergisi, vol.43, no.23931, pp.1-6, 2017 (Peer-Reviewed Journal)
- VIII. **Investigation of Vancomycin-Resistant Enterococci and The Distribution of The Vancomycin Resistance Associated Genes in Chickens**  
Çepoğlu H., ADIGÜZEL M. C., Bağcigil A. F., Ak S.  
Journal of Anatolian Environmental & Animal Sciences, vol.1, no.3, pp.92-95, 2016 (Peer-Reviewed Journal)
- IX. **Investigation of Vancomycin-Resistant Enterococci and The Distribution of The Vancomycin Resistance Associated Genes in Chickens**  
Çepoğlu H., ADIGÜZEL M. C., Bağcigil A. F., Ak S.  
Journal of Anatolian Environmental & Animal Sciences, vol.1, no.3, pp.92-95, 2016 (Peer-Reviewed Journal)
- X. **In-Vitro Comparison of the Antibacterial Activity of Extracts from Endemic Plants Species**  
Özkan O., ADIGÜZEL M. C., Erdağ D., Bağcigil A. F., Aydin H.  
International Journal of Ayurvedic & Herbal Medicine, vol.4, pp.1608-1614, 2014 (Peer-Reviewed Journal)
- XI. **In-Vitro Comparison of the Antibacterial Activity of Extracts from Endemic Plants Species**  
Özkan O., ADIGÜZEL M. C., Erdağ D., Bağcigil A. F., Aydin H.  
International Journal of Ayurvedic & Herbal Medicine, vol.4, pp.1608-1614, 2014 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Kanatlı Hayvan Hastalıkları Uygulama Ders Notları**  
 AK S., ÖZGÜR N. Y., BAĞCIGİL A. F., İKİZ S., METİNER K., BAŞARAN KAHRAMAN B., DİREN SİĞIRCI B., ÇELİK B., ADIGÜZEL M. C., HALAÇ B.  
 İstanbul Üniversitesi Veteriner Fakültesi, İstanbul, 2018
- II. **Bakteriyoloji ve Mikoloji Uygulama Ders Notu**  
 AK S., ÖZGÜR N. Y., BAĞCIGİL A. F., İKİZ S., METİNER K., BAŞARAN KAHRAMAN B., DİREN SİĞIRCI B., ÇELİK B., ADIGÜZEL M. C., HALAÇ B.  
 İstanbul Üniversitesi Veteriner Fakültesi, İstanbul, 2018
- III. **immunoloji ve Seroloji Ders Notu**  
 AK S., ÖZGÜR N. Y., BAĞCIGİL A. F., İKİZ S., METİNER K., BAŞARAN KAHRAMAN B., DİREN SİĞIRCI B., ÇELİK B., ADIGÜZEL M. C., HALAÇ B.  
 İstanbul Üniversitesi Veteriner Fakültesi, 2018
- IV. **KANATLI HAYVAN HASTALIKLARI UYGULAMA DERS NOTU**  
 ÇELİK B., AK S., ÖZGÜR N. Y., BAĞCIGİL A. F., İKİZ S., METİNER K., BAŞARAN KAHRAMAN B., DİREN SİĞIRCI B., ADIGÜZEL M. C., HALAÇ B.  
 İSTANBUL ÜNİVERSİTESİ, İstanbul, 2015
- V. **BAKTERİYOLOJİ ve MİKROLOJİ UYGULAMA DERS NOTLARI**  
 BAĞCIGİL A. F., ÖZGÜR N. Y., AK S., İKİZ S., METİNER K., BAŞARAN KAHRAMAN B., DİREN SİĞIRCI B., ADIGÜZEL M. C., HALAÇ B.  
 İSTANBUL ÜNİVERSİTESİ, İstanbul, 2015

### Refereed Congress / Symposium Publications in Proceedings

- I. **Kedi ve Köpek Dışkılarında *Salmonella* sp. Varlığının Fenotipik ve Genotipik Olarak Saptanması ve Fenotipik Olarak Antibiotik Direnç Profilinin Belirlenmesi**  
 Öz C., Yıldız M., Cengiz S., Adıgüzel M. C.  
 XV. ULUSAL VETERİNER MİKROBİYOLOJİ KONGRESİ ULUSLARARASI KATILIMLI, Şanlıurfa, Turkey, 26 - 28 October 2022, pp.103
- II. **Tavuk Orijinli *Escherichia coli* İzolatlarının Fenotipik ve Genotipik Karakterizasyonu**  
 Aytek E., Sevük S., Cengiz S., Adıgüzel M. C.  
 XV. Ulusal Veteriner Mikrobiyoloji Kongresi-Uluslararası katılımlı, Şanlıurfa, Turkey, 26 - 28 October 2022, pp.68-69
- III. **Erzurum İlinde Tüketime Sunulan Çiğ Sütlerde İnsan Kaynaklı *Staphylococcus aureus* Kontaminasyonunu**  
 Kaplan M. F., Baran A., Cengiz S., Adıgüzel M. C.  
 XV. Ulusal Veteriner Mikrobiyoloji Kongresi-Uluslararası Katılımlı, Şanlıurfa, Turkey, 26 - 28 October 2022, pp.77
- IV. **Erzurum İlinde Tüketime Sunulmuş Çiğ Süt Örneklerinde *Coxiella burnetii* Varlığının PCR ile Saptanması**  
 Demirler M., Kaplan M. F., Demir M. A., Baran A., Cengiz S., Adıgüzel M. C.  
 XV. Ulusal Veteriner Mikrobiyoloji Kongresi- Uluslararası Katılımlı, Şanlıurfa, Turkey, 26 - 28 October 2022, pp.70
- V. **THE VETERINARY MICROBIOLOGY ROUTINE: A RETROSPECTIVE STUDY**  
 Aytek E., ÜN H., KAPLAN M. F., ÖZ C., CENGİZ S., ADIGÜZEL M. C.  
 ATAVET II. INTERNATIONAL III. NATIONAL VETERINARY MEDICINE STUDENT CONGRESS, Erzurum, Turkey, 15 December 2021, pp.48
- VI. **Postbiotics and Parabiotics**  
 ADIGÜZEL M. C., YENİCE G.  
 International Conference on Food, Agriculture and Animal Sciences ICOFAAS, Erzurum, Turkey, 13 October 2021
- VII. **Antibacterial Activity of Nanoemulsion of *Origanum syriacum* against Selected Bacterial Strains**  
 Sevinç Özkar R., Adıgüzel M. C., Özkar E., Cengiz S.  
 International Congress on Biological and Health Sciences, Afyonkarahisar, Turkey, 26 - 28 February 2021

- VIII. **PCR DETERMINATION OF SALMONELLA INFECTION IN CAGE BIRDS**  
ÖZ C., CENGİZ S., ADIGÜZEL M. C.  
ATAVET 1. International (2. International Participants) Student Congress, Erzurum, Turkey, 4 - 06 December 2019
- IX. **Purulent meningoencephalitis and acute coenurosis in a Morkaraman lamb**  
DEĞİRMENÇAY Ş., AYDIN Ö., YILDIRIM S., ADIGÜZEL M. C., EREN E., BOLAT İ.  
4th International Congress on Advances of Veterinary Sciences and Techniques (ICAVST), KİEV, Ukraine, 10 - 14 July 2019
- X. **PHENOTYPIC AND GENOTIPIC EXAMINATION OF ANTIMICROBIAL RESISTANCE IN THERMOFILIC CAMPYLOBACTER SPECIES ISOLATED FROM POULTRY IN TURKEY**  
ADIGÜZEL M. C., DİREN SIĞIRCI B., ÇELİK B., BAŞARAN KAHRAMAN B., METİNER K., İKİZ S., BAĞCIGİL A. F., AK S., ÖZGÜR N. Y.  
2nd International Congress of Veterinary Microbiology, Antalya, Turkey, 16 - 19 October 2018
- XI. **Investigation and Sequence Analysis of Avian Polyomavirus and Beak and Feather Disease Virus From Psittacine Birds in Erzurum, Turkey**  
ADIGÜZEL M. C., TİMURKAN M. Ö., CENGİZ S.  
2nd International Congress of Veterinary Microbiology, 16 - 19 October 2018
- XII. **INVESTIGATION of ANTIMICROBIAL ACTIVITY of PHYSALIS ALKEKENGİ L. FRUIT EXTRACTS COLLECTED FROM CORUH VALLEY**  
ADIGÜZEL M. C., BARAN A., TURGUT T., ERDOĞAN A.  
International Agricultural, Biological Life Science Conference, Edirne, Turkey, 2 - 05 September 2018, pp.548-552
- XIII. **THE NAME OF HAZARD INCREASINGLY IMPORTANT IN FOOD HYGIENE IS MODIFIED MYCOTOXINS**  
BARAN A., ADIGÜZEL M. C., ERDOĞAN A., TURGUT T.  
International Agricultural, Biological Life Science Conference, Edirne, Turkey, 2 - 05 September 2018, pp.91-98
- XIV. **COLISTIN RESISTANT ESCHERICHIA COLI AND MCR GENE BY PLASMIDMEDIATEDRESISTANCE**  
ADIGÜZEL M. C., BARAN A., TURGUT T., ERDOĞAN A.  
International Agricultural, Biological Life Science Conference, Edirne, Turkey, 2 - 05 September 2018, pp.54-62
- XV. **A STUDY ON THE PREVALENCE OF SALMONELLA BY IMS-PCR ANDCONVENTIONAL CULTURE METHODS IN BEEF MEATS SOLD IN ERZURUM,TURKEY**  
BARAN A., ADIGÜZEL M. C., ERDOĞAN A., TURGUT T.  
International Agricultural, Biological Life Science Conference, 2 - 05 September 2018, pp.99-106
- XVI. **INVESTIGATION OF ANTIMICROBIAL ACTIVITY OF PHYSALIS ALKEKENGIL. FRUIT EXTRACTS COLLECTED FROM CORUH VALLEY**  
ADIGÜZEL M. C., BARAN A., TURGUT T., ERDOĞAN A.  
International Agricultural, Biological Life Science Conference, 2 - 05 September 2018, pp.548-552
- XVII. **THE NAME OF HAZARD INCREASINGLY IMPORTANT IN FOOD HYGIENE ISMODIFIED MYCOTOXINS**  
ADIGÜZEL M. C., BARAN A., ERDOĞAN A., TURGUT T.  
International Agricultural, Biological Life Science Conference, 2 - 05 September 2018, pp.91-98
- XVIII. **COLISTIN RESISTANT ESCHERICHIA COLI AND MCR GENE BY PLASMIDMEDIATEDRESISTANCE**  
ADIGÜZEL M. C., BARAN A., TURGUT T., ERDOĞAN A.  
International Agricultural, Biological Life Science Conference, 2 - 05 September 2018, pp.54-62
- XIX. **Antimikrobiyal Dirençe Yeni Çözüm Önerisi: CRISPR-Cas Sistemi**  
ADIGÜZEL M. C., Acaroğlu M. L., BARAN A., CENGİZ S.  
Atatürk Üniversitesi Veteriner Fakültesi (ATAVET) I. Uluslararası Katılımlı Öğrenci Kongresi, Erzurum, Turkey, 18 - 20 October 2017, pp.39-40
- XX. **Antimicrobial Resistance of E. coli Strains Isolated From Uterin Discharge in the Postparturient Cows**  
ADIGÜZEL M. C., CENGİZ S., CENGİZ M., HAYIRLI A.  
Türk Veteriner Jinekoloji Derneği VII. Ulusal I. Uluslar Arası Kongresi, Fethiye, Turkey, 15 - 18 October 2017, pp.220-221
- XXI. **Antimicrobial Resistance of E. coli Strains Isolated from Uterine Discharge in the Postparturient Cows**

- ADIGÜZEL M. C., CENGİZ S., CENGİZ M., HAYIRLI A.  
Türk Veteriner Jinekoloji Derneği VII. Ulusal-I. Uluslararası Kongresi, 12 - 15 October 2017
- XXII. **Doğum Sonrası İnek Uterus Akıntılarından İzole Edilen E. coli Suşlarında Antimikrobiyal Direnç**  
ADIGÜZEL M. C., CENGİZ S., CENGİZ M., HAYIRLI A.  
Türk Veteriner Jinekoloji Derneği VII. Ulusal-I. Uluslararası Kongresi, 12 - 15 October 2017
- XXIII. **Effect of Using Coriandrum sativum L. on the Quality of Fresh White Cheese**  
TURGUT T., BARAN A., ERDOĞAN A., ADIGÜZEL M. C.  
International Conference on Advances and Innovations in Engineering, Elazığ, Turkey, 10 - 12 May 2017
- XXIV. **Next Generation DNA Sequencing**  
ADIGÜZEL M. C., DEMİR M. A., BARAN A., ERDOĞAN A., TURGUT T.  
19. International Veterinary Medicine Students Scientific Research Congress, İstanbul, Turkey, 2 - 04 May 2017
- XXV. **A New Therapeutic Perspective on Foods: microRNA**  
BARAN A., ERDOĞAN A., TURGUT T., ADIGÜZEL M. C.  
International Conference on Advances in Natural and Applied Sciences, Turkey, 18 - 21 April 2017, pp.259
- XXVI. **The Investigation of Possible Uses of Nanotechnology in Animal Products**  
BARAN A., ERDOĞAN A., ADIGÜZEL M. C., TURGUT T.  
International Conference on Advances in Natural and Applied Sciences, 18 - 21 April 2017
- XXVII. **Evaluation of presence of Staphylococcus aureus and enterotoxigenic properties of isolates by multiplex PCR in meat samples offered for sale in Erzurum Province, Turkey**  
BARAN A., TURGUT T., ADIGÜZEL M. C., ERDOĞAN A.  
International Conference on Advances and Innovations in Engineering, Elazığ, Turkey, 10 - 12 May 2017
- XXVIII. **Potential Approach for Reducing Incidence of Thermophilic Campylobacter in the Poultry Meat**  
ADIGÜZEL M. C., BARAN A., ÖZDEMİR S., ATASEVER M.  
Uluslararası Hayvansal Gıdalar Kongresi "Sektörle İşbirliği", 10 - 13 November 2016
- XXIX. **A Self Evaluation Questionnaire Study on Experience and Competency of Farm Animal Practitioners About Zoonoses**  
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- XXX. **Detection of Extended Spectrum β-Lactamase and AMPC β-Lactamase Producing Escherichia coli Isolates from Chickens**  
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- XXXI. **Phenotypic and genotypic characterization of quinolone resistance in thermophilic Campylobacter isolates from poultry**  
ADIGÜZEL M. C., ÖZGÜR N. Y.  
XII. Veteriner Hekimleri Mikrobiyoloji Kongresi, Nevşehir, Turkey, 30 August - 02 September 2016
- XXXII. **Bir Koyun Yetiştirme Çiftliğinde Ortaya Çıkan Malign Ödem**  
GÜLÇUBUK A., HAKTANIR D., METİNER K., KAYAR A., AK S., ADIGÜZEL M. C.  
VIII. Ulusal Veteriner Patoloji Kongresi, Samsun, Turkey, 1 - 03 September 2016
- XXXIII. **İnek Sütü Kökenli mikroRNA'lar Laktasyon Performansı ve Mastit için Potansiyel Biomarkörler**  
ÖZDEMİR S., ADIGÜZEL M. C., ALTUN S.  
VI. Ulusal Veteriner Zootechni Kongresi, Turkey, 1 - 04 June 2016
- XXXIV. **İnek Sütü Kökenli MikroRNA'lar: Laktasyon Performansı ve Mastit için Potansiyel Biyomarkörler**  
ÖZDEMİR S., ADIGÜZEL M. C., ALTUN S.  
6. Ulusal Veteriner Zootechni Kongresi, Turkey, 1 - 04 June 2016
- XXXV. **PREVALENCE AND ANTIMICROBIAL RESISTANCE OF THERMOPHILIC CAMPYLOBACTER SPECIES ISOLATED FROM RAW MEAT CHICKEN**  
BAŞARAN KAHRAMAN B., İSSA G., ADIGÜZEL M. C., KAHRAMAN T., BAYRAKAL G. M., KOLUMAN A.  
3rd International Congress VetiIstanbul Group, Saray Bosna, Bosnia And Herzegovina, 17 - 20 May 2016
- XXXVI. **Importance Of Competitive Exclusion In Poultry**

- KENAR C., BAŞARAN KAHRAMAN B., ADIGÜZEL M. C., ÇELİK B., DİREN SİĞIRCI B., HALAÇ B., KEKEÇ I., METİNER K., İKİZ S., BAĞCIGİL A. F., et al.  
 18th International Veterinary Medicine Students Scientific Research Congress, İstanbul, Turkey, 26 - 28 April 2016
- XXXVII. Antibiotic Resistance In Thermophilic Campylobacter**  
 ADIGÜZEL M. C., DİREN SİĞIRCI B., ÇELİK B., BAŞARAN KAHRAMAN B., HALAÇ B., KENAR C., KEKEÇ I., METİNER K., İKİZ S., BAĞCIGİL A. F., et al.  
 18th International Veterinary Medicine Students Scientific Research Congress, İstanbul, Turkey, 26 - 28 April 2016
- XXXVIII. Antimicrobial Resistance and Suggestions for Solution**  
 KEKEÇ I., ÇELİK B., DİREN SİĞIRCI B., BAŞARAN KAHRAMAN B., ADIGÜZEL M. C., HALAÇ B., KENAR C., METİNER K., İKİZ S., BAĞCIGİL A. F., et al.  
 18th International Veterinary Medicine Students Scientific Research Congress, İstanbul, Turkey, 26 - 28 April 2016
- XXXIX. Control Strategies For Thermophilic Campylobacter Species In Poultry Farm**  
 ADIGÜZEL M. C., ÇELİK B., DİREN SİĞIRCI B., BAŞARAN KAHRAMAN B., HALAÇ B., KENAR C., KEKEÇ I., METİNER K., İKİZ S., BAĞCIGİL A. F., et al.  
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- XL. The important of Nanotechnology Against Infectious Disease**  
 GUMURCINLER B., YILDIZ A. E., ADIGÜZEL M. C.  
 17th International Veterinary Medicine Students Scientific Research Congress, İstanbul, Turkey, 28 - 30 April 2015
- XLI. The comparison of the detection of Bartonella henselae infection via culture molecular and serological diagnostic methods**  
 DİREN SİĞIRCI B., BAŞARAN KAHRAMAN B., METİNER K., ÇELİK B., ADIGÜZEL M. C., BAĞCIGİL A. F., İKİZ S., ÖZGÜR N. Y., AK S.  
 II. International VETistanbul Group Congress, Saint Peter, Guernsey And Alderney, 7 - 09 April 2015
- XLII. Examination of Ampicillin Resistant Enterococci VRE Isolated From Canine and Feline Fecal Swabs**  
 ÇELİK B., BAĞCIGİL A. F., KOENHEMSİ L., ADIGÜZEL M. C., OR M. E., AK S.  
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- XLIII. The Effect Different Storage Temperatures And Times On The Viability Of Helicobacter pullorum**  
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- XLIV. Relation between bacterial and somatic cell count in cows milk**  
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- XLV. Relation between bacteria and somatic cell count in cows milk**  
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## Supported Projects

- ADIGÜZEL M. C., AYSİN F., TERİM KAPAKİN K. A., CENGİZ S., ÖZAKAR E., SEVİNÇ ÖZAKAR R., Project Supported by Higher Education Institutions, Mycoplasma bovis izolatlarının genotipik karakterizasyonu, 2022 - 2024  
 Adığüzel M. C., Cengiz S., Özakar E., Sevinç Özakar R., Aysin F., Sevimli Ü., Erpek Ş. H., Terim Kapakin K. A., TUBITAK Project, Development of inactivated *M. bovis* vaccine using boron-containing polymeric nanoparticles as adjuvant system: in vivo and in vitro characterizations, 2021 - 2024
- ADIGÜZEL M. C., YILDIZ M., Project Supported by Higher Education Institutions, Erzurum İlindeki Kedi ve Köpek Dışkalarında *Campylobacter* Türlerinin Prevalansının Araştırılması, 2021 - 2023
- CENGİZ S., ADIGÜZEL M. C., ÖZ C., Project Supported by Higher Education Institutions, Peptid Nükleik Asitlerin *S. aureus* Dna'sında Clamp Özelliğinin Belirlenmesi, 2022 - 2022
- SAĞLAM Y. S., POLAT B., ADIGÜZEL M. C., Project Supported by Higher Education Institutions, ATAVET II Uluslararası III Ulusal Öğrenci Kongresi, 2021 - 2022

CENGİZ M., TOHUMCU V., OKUR D. T., HAYIRLI A., CENGİZ S., ADIGÜZEL M. C., Project Supported by Higher Education Institutions, Sütçü ineklerde doğum sonrası mineral madde düzeylerinin bakteriyel arınma ve fertilité parametreleri üzerine etkisi, 2020 - 2022

Bolat İ., Sağlam Y. S., Yıldırım S., Adığüzel M. C., Project Supported by Higher Education Institutions, Zoonoz ve Salgın Hastalıklar Sempozyumu, 2021 - 2021

ADIGÜZEL M. C., CENGİZ S., BARAN A., Project Supported by Higher Education Institutions, Farklı Kaynaklardan İzole Edilmiş E coli Suşlarında Kolistin Direncinden Sorumlu mcr6 ile mcr10 Arasındaki Genlerin Belirlenmesi, 2020 - 2021

CENGİZ S., TERİM KAPAKİN K. A., KAYNAR Ö., ÇİFTÇİ A., ADIGÜZEL M. C., ÖZ C., Project Supported by Higher Education Institutions, Farklı adjuvant konsantrasyonlarının ratlarda immun sistem üzerine etkisinin araştırılması, 2020 - 2021  
Öz C., Cengiz S., Adığüzel M. C., Çiftci A., Terim Kapakin K. A., Kaynar Ö., Project Supported by Higher Education Institutions, 2020 - 2021

ADIGÜZEL M. C., CENGİZ S., BARAN A., Project Supported by Higher Education Institutions, Farklı Kaynaklardan İzole Edilmiş E coli Suşlarında Kolistin Direncinin Fenotipik ve Genotipik Metotlarla İncelenmesi, 2018 - 2020

NALCIOĞLU A. U., TOPU F. B., ELMAS S., ADIGÜZEL M. C., KÖSE M., EJDER APAY S., OZAN C., GÜR E. Y., ÖZSOY D., KIYAK E., et al., Project Supported by Higher Education Institutions, Atatürk Üniversitesi Akademisyenlerinin Yabancı Dil Yeterliliklerinin Geliştirilmesi, 2018 - 2020

CENGİZ S., ADIGÜZEL M. C., Project Supported by Higher Education Institutions, Buzağı ishallerinden izole edilen E.coli suşlarında virulens özelliklerinin ve genetik yakınlıklarının moleküler metotlar ile belirlenmesi, 2017 - 2019

CENGİZ S., ADIGÜZEL M. C., TİMURKAN M. Ö., AYDIN H., Project Supported by Higher Education Institutions, Veteriner Fakültesi Mikrobiyoloji ve Viroloji Anabilim Dalları Laboratuvarlarının Araştırma Alt Yapısının Geliştirilmesi, 2017 - 2018

BARAN A., ADIGÜZEL M. C., YÜKSEL M., Project Supported by Higher Education Institutions, Erzurumda satışa sunulan tavuk etlerinde GSBL veveya AmpC üreten Escherichia colilerin prevalanslarının belirlenmesi ve enzimlerin tanımlanması, 2017 - 2018

CENGİZ S., ADIGÜZEL M. C., Project Supported by Higher Education Institutions, Pnömonili sığır akciğer örneklerinde Mycoplasma bovis'in PCR ile araştırılması, 2017 - 2018

ADIGÜZEL M. C., CENGİZ S., CENGİZ M., Project Supported by Higher Education Institutions, Metrit Şüpheli Hayvanlardan Alınan Uterus Sıvaplarının Patojen Bakteriler Yönünden Bakteriyolojik ve Moleküler Metotlarla İncelenmesi ve Antibiyotik Duyarlılıklarının Belirlenmesi, 2017 - 2018

## Metrics

Publication: 89

Citation (WoS): 73

Citation (Scopus): 58

H-Index (WoS): 5

H-Index (Scopus): 5

## Scholarships

NEW SOLUTION TO QUINOLONE RESISTANT CAMPYLOBACTER JEJUNI ISOLATES: CRISPR-CAS SYSTEM, University, 2019 - 2020

## Non Academic Experience

University, Iowa state university, Vet Microbiology & Preventive Medicine

Iowa State University