

## Prof. MURAT CENGİZ

### Personal Information

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Yoksis Researcher ID: 122645

### Education Information

Doctorate, Bursa Uludağ University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Turkey 2002 - 2007

Undergraduate, Dicle University, Faculty Of Veterinary Medicine, Veteriner Pr., Turkey 1995 - 2000

### Foreign Languages

English, B2 Upper Intermediate

### Academic Titles / Tasks

Associate Professor, Bursa Uludağ University, VETERİNER FAKÜLTESİ, KLİNİK ÖNCESİ BİLİMLER, 2015 - Continues

Assistant Professor, Bursa Uludağ University, VETERİNER FAKÜLTESİ, KLİNİK ÖNCESİ BİLİMLER, 2011 - Continues

Assistant Professor, University of Birmingham, School Of Biosciences, Institute Of Microbiology And Infection, 2013 - 2014

Research Assistant, Bursa Uludağ University, VETERİNER FAKÜLTESİ, KLİNİK ÖNCESİ BİLİMLER, 2008 - 2011

Research Assistant, Bursa Uludağ University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Farmakoloji Ve Toksikoloji (Veteriner) (YI) (Tezli), 2002 - 2007

Research Assistant, Universiteit Utrecht, The National Institute For Public Health And The Environment (Rivm), 2006 - 2006

Research Assistant, Universiteit Utrecht, Institute For Risk Assessment Sciences (Iras), 2005 - 2005

Research Assistant, Justus-Liebig Universitaet Giessen, Institute Of Pharmacology And Toxicology, 2004 - 2004

Research Assistant, Justus-Liebig Universitaet Giessen, Institute Of Pharmacology And Toxicology, 2003 - 2003

### Courses

İlaçların Toksik Etkileri ve Etkileşim, Doctorate, 2017 - 2018

Bakteriyel enfeksiyonların Kemoterapisi, Doctorate, 2017 - 2018

### Advising Theses

CENGİZ M., Characterization of extended-spectrum  $\beta$ -lactamase resistance in multiple drug resistant escherichia coli, Postgraduate, U.İBRAHİMLİ(Student), 2019

CENGİZ M., Investigation of new antimicrobial combinations for the elimination of resistant escherichia coli, Doctorate, P.ŞAHİNTÜRK(Student), 2018  
CENGİZ M., Plazmid-mediated quinolone resistance (qnrS1 and aac (6')-Ib-cr) and its elimination with enrofloxacin, Doctorate, E.Arslan(Student), 2017  
CENGİZ M., Plazmid aracılı kinolon direnci(QNRS1 ve ACC (6')-IB-CR) ve enrofloksasin ile eliminasyonu, Doctorate, E.ARSLAN(Student), 2017

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

- I. **The in vitro activity of danofloxacin plus ceftiofur combination: implications for antimicrobial efficacy and resistance prevention**  
CENGİZ M., Sahinturk P., Hepbostanci G., AKALIN E. H., SONAL S.  
VETERINARY RESEARCH FORUM, vol.13, no.2, pp.149-153, 2022 (SCI-Expanded)
- II. **Impact of pH on the activity of co-used antimicrobials against resistant Escherichia coli strains of animal origin**  
CENGİZ M., Hepbostanci G.  
TURKISH JOURNAL OF VETERINARY & ANIMAL SCIENCES, vol.44, no.3, pp.747-751, 2020 (SCI-Expanded)
- III. **Optimization of Culture Medium for the Production and Partial Purification and Characterization of an Antibacterial Activity from Brevibacillus laterosporus Strain EA62**  
Usta A. A. K., DEMİRKAN E., CENGİZ M., SEVGİ T., Zeren B., Abdou M.  
ROMANIAN BIOTECHNOLOGICAL LETTERS, vol.24, no.4, pp.705-713, 2019 (SCI-Expanded)
- IV. **Synthesis, structures and biomolecular interactions of new silver(I) 5,5-diethylbarbiturate complexes of monophosphines targeting Gram-positive bacteria and breast cancer cells**  
YILMAZ V. T., İÇSEL C., Batur J., Aydinlik S., CENGİZ M., BÜYÜKGÜNGÖR O.  
DALTON TRANSACTIONS, vol.46, no.25, pp.8110-8124, 2017 (SCI-Expanded)
- V. **Genotyping and antimicrobial resistance genes of Yersinia ruckeri isolates from rainbow trout farms**  
DUMAN M., ALTUN S., CENGİZ M., SATICIOĞLU İ. B., Buyukekiz A. G., Sahinturk P.  
DISEASES OF AQUATIC ORGANISMS, vol.125, no.1, pp.31-44, 2017 (SCI-Expanded)
- VI. **Promising synergistic interactions among antimicrobials against multidrug-resistant Escherichia coli isolated from animals**  
Sahinturk P., CENGİZ M.  
TURKISH JOURNAL OF VETERINARY & ANIMAL SCIENCES, vol.41, no.5, pp.698-699, 2017 (SCI-Expanded)
- VII. **High level fluoroquinolone resistance in Escherichia coli isolated from animals in Turkey is due to multiple mechanisms**  
Sahinturk P., Arslan E., BÜYÜKCANGAZ E., SONAL S., ŞEN A., ERSOY F., Webber M. A., Piddock L. J. V., CENGİZ M.  
TURKISH JOURNAL OF VETERINARY & ANIMAL SCIENCES, vol.40, no.2, pp.214-218, 2016 (SCI-Expanded)
- VIII. **Synthesis, crystal structures, in vitro DNA binding, antibacterial and cytotoxic activities of new di- and polynuclear silver(I) saccharinate complexes with tertiary monophosphanes**  
YILMAZ V. T., Gocmen E., İÇSEL C., CENGİZ M., YILMAZ SÜSLÜER S., BÜYÜKGÜNGÖR O.  
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY B-BIOLOGY, vol.131, pp.31-42, 2014 (SCI-Expanded)
- IX. **Di- and polynuclear silver(I) saccharinate complexes of tertiary diphosphane ligands: synthesis, structures, in vitro DNA binding, and antibacterial and anticancer properties**  
YILMAZ V. T., Gocmen E., İÇSEL C., CENGİZ M., YILMAZ SÜSLÜER S., BÜYÜKGÜNGÖR O.  
JOURNAL OF BIOLOGICAL INORGANIC CHEMISTRY, vol.19, no.1, pp.29-44, 2014 (SCI-Expanded)
- X. **Assessment of synergistic interactions of danofloxacin and orbifloxacin against quinolone-resistant Escherichia coli isolated from animals by the checkerboard and time-kill methods**  
CENGİZ M., Sahinturk P.  
JOURNAL OF ANTIBIOTICS, vol.66, no.10, pp.629-631, 2013 (SCI-Expanded)
- XI. **In vitro Pharmacodynamics of Enrofloxacin Against an Escherichia coli gyrA Mutant**  
CENGİZ M., Arslan E., Sorucu A.

- JOURNAL OF ANIMAL AND VETERINARY ADVANCES, vol.10, no.18, pp.2384-2388, 2011 (SCI-Expanded)
- XII. **Treatment of E. coli HB101 and the tetM gene by Fenton's reagent and ozone in cow manure**  
CENGİZ M., Uslu M. O., BALCIOĞLU I.  
JOURNAL OF ENVIRONMENTAL MANAGEMENT, vol.91, no.12, pp.2590-2593, 2010 (SCI-Expanded)
- XIII. **Evaluation of the interaction between soil and antibiotics**  
CENGİZ M., BALCIOĞLU I., ORUÇ H. H., Cengiz T.  
JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART B-PESTICIDES FOOD CONTAMINANTS AND AGRICULTURAL WASTES, vol.45, no.3, pp.183-189, 2010 (SCI-Expanded)
- XIV. **Chronic copper toxicosis in sheep following the use of copper sulfate as a fungicide on fruit trees**  
ORUÇ H. H., CENGİZ M., Beskaya A.  
JOURNAL OF VETERINARY DIAGNOSTIC INVESTIGATION, vol.21, no.4, pp.540-543, 2009 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Antimikrobiyal dirençli Escherichia coli'de geniş spektrumlu β-laktamaz direncinin araştırılması**  
CENGİZ M., Ulvi İ.  
Journal of Research in Veterinary Medicine, 2020 (Peer-Reviewed Journal)
- II. **Detection of Shiga-toxin producing E.coli (STEC), Enteropathogenic E.coli (EPEC) and Enterotoxigenic E.coli (ETEC) from animals by m-PCR**  
BÜYÜKCANGAZ E., Khider M., ŞEN A., CENGİZ M., SONAL S.  
Journal of Research in Veterinary Medicine, vol.38, no.2, pp.88-94, 2019 (Peer-Reviewed Journal)
- III. **In vitro pharmacodynamics of a danofloxacin plus colistin combination against multi-drug resistant(MDR) Escherichia coli isolated from animals.**  
CENGİZ M., ŞAHİNTÜRK P., HEPBOSTANCI G., AKALIN E. H., SONAL S.  
Journal of Research in Veterinary Medicine, vol.38, no.2, pp.24-30, 2019 (Peer-Reviewed Journal)
- IV. **Veteriner Farmasötiklerin İstenmeyen Mikrobiyolojik Etkileri**  
CENGİZ M., Hepbostancı G., ŞAHİNTÜRK P.  
Türkiye Klinikleri Veteriner Bilimleri-Farmakoloji ve Toksikoloji, pp.108-114, 2018 (Peer-Reviewed Journal)
- V. **Efficacy of enrofloxacin against transmissible resistance gene (qnrS and aac (6')-Ib-cr) - containing Escherichia coli isolates and clones**  
CENGİZ M., ARSLAN E.  
Uludag University Journal of the Faculty of Veterinary Medicine, vol.37, no.1, pp.15-20, 2018 (Peer-Reviewed Journal)
- VI. **Kedi ve Köpeklerin Deri Enfeksiyonlarında Antimikrobiyal İlaç Kullanımı**  
CENGİZ M., ŞAHİNTÜRK P., HEPBOSTANCI G.  
TÜRKİYE KLİNİKLERİ VETERİNER BİLİMLERİ, vol.3, no.3, pp.278-281, 2017 (Peer-Reviewed Journal)
- VII. **Ecopharmacokinetics of tetracyclines and sulphonamides in soil**  
CENGİZ M., ORUÇ H. H., UZUNOĞLU İ., SONAL S., ÖZSOY G.  
Uludag Univ. J. Fac. Vet. Med, vol.30, no.1, pp.47-52, 2011 (Peer-Reviewed Journal)
- VIII. **Ecopharmacokinetics of Tetracyclines and Sulfonamides in Soil**  
CENGİZ M., ORUÇ H. H., Uzunoğlu İ., SONAL S., ÖZSOY G.  
Uludağ Üniversitesi Veteriner Fakültesi Dergisi, 2011 (Peer-Reviewed Journal)
- IX. **Detection of oxytetracycline and chlortetracycline residues in agricultural fields in Turkey**  
CENGİZ M., BALCIOĞLU I., ORUÇ H. H.  
Journal of Biological Environmental Science, vol.4, no.10, pp.23-27, 2010 (Peer-Reviewed Journal)
- X. **Ochratoxin a levels in different types of bread and flour**  
CENGİZ M., ORUÇ H. H., SONAL S., UZUNOĞLU İ.  
Uludag University Journal of the Faculty of Veterinary Medicine, vol.26, pp.7-10, 2007 (Peer-Reviewed Journal)
- XI. **Piliç Etlerinde Lipid Oksidasyonu Sonucu Oluşan Malonaldehit (MA) Konsantrasyonları**  
ORUÇ H. H., CENGİZ M., Kalkanlı Ö.

## Books & Book Chapters

- I. **Kafes Kuşları Solunum Sistemi Hastalıkları ve Tedavisi: Antimikrobiyal Kemoterapi**  
CENGİZ M., Hepbostancı G.  
in: Kafes Kuşları Hastalıklarında İlaçla Tedavi Seçenekleri - 2020, Sinan İnce, Editor, Türkiye Klinikleri, pp.39-42, 2020
- II. **Veteriner Antimikrobiyal Kemoterapi**  
CENGİZ M.  
Çukurova Nobel Tıp, 2019

## Refereed Congress / Symposium Publications in Proceedings

- I. **Escherichia coli de çoklu antibiyotik direnci mar**  
ŞAHİNTÜRK P., CENGİZ M., ARSLAN E., SONAL S.  
IV. Ulusal Veteriner Farmakoloji ve Toksikoloji Kongresi, Turkey, 11 - 14 September 2013
- II. **As a new therapeutic option for the inhibition of multidrug resistant (MDR) Escherichia coli from animals: Ceftriaxone plus Colistin combination**  
CENGİZ M., ŞAHİNTÜRK P., Hepbostancı G., SONAL S., AKALIN E. H.  
Uluslararası 7. İlçe Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, 14 - 17 March 2019
- III. **Effect of pH on the in vitro activity of fluoroquinolones in combination with cephalosporins against multidrug-resistant Escherichia coli.**  
Hepbostancı G., CENGİZ M.  
AAVM, 16 - 19 October 2018
- IV. **Is there a connection of mic and pk in veterinary therapeutics?**  
CENGİZ M.  
AAVM, 16 - 19 October 2018
- V. **Post-antibiotic effect of danofloxacin in combination with ceftiofur and colistin on multidrug resistant Escherichia coli strains isolated from animals**  
CENGİZ M., ŞAHİNTÜRK P., Hepbostancı G., SONAL S., AKALIN E. H.  
14TH INTERNATIONAL CONGRESS OF THE EUROPEAN ASSOCIATION FOR VETERINARY PHARMACOLOGY AND TOXICOLOGY, Wroclaw, Poland, 24 - 27 June 2018, vol.41, pp.27
- VI. **Novel synergistic antibiotic combinations against multidrug resistant (MDR) Escherichia coli**  
CENGİZ M., ŞAHİNTÜRK P., Hepbostancı G., SONAL S., AKALIN E. H.  
14th International Congress of the European Association for Veterinary Pharmacology and Toxicology, Wroclaw, Poland, 24 - 27 June 2018, vol.41, pp.127-128
- VII. **Determination of Oxytetracycline Resistance of Yersinia ruckeri Isolated From Rainbow Trout in Turkey**  
SATICIOĞLU İ. B., DUMAN M., BÜYÜKEKİZ A. G., ŞAHİNTÜRK P., CENGİZ M., ALTUN S.  
33. World Veterinary Congress, WVC Incheon, 27 - 31 August 2017, pp.887
- VIII. **Veteriner Florokinolonların in vitro Farmakodinamisi**  
CENGİZ M., ŞAHİNTÜRK P., HEPBOSTANCI G.  
3. ULUSLARARASI İLAÇ VE ECZACILIK KONGRESİ, 26 - 29 April 2017
- IX. **In vitro activity of fluoroquinolones in combination with cephalosporins against multidrug-resistant Escherichia coli**  
ŞAHİNTÜRK P., CENGİZ M.  
AAVM, 23 - 26 November 2016

- X. **Comperative bactericidal action of enrofloxacin against qnrS1 and aac (6')Ib-cr harboring isolates and transformants**  
ARSLAN E., CENGİZ M.  
AAVM, 23 - 26 November 2016
- XI. **Gıda üretiminde kullanılan hayvanlar ile ilişkili E.coli'xxnin antimikrobiyel direnç profili**  
BÜYÜKCANGAZ E., CENGİZ M., ŞEN A., SONAL S., Khider ABD Alrahim M.  
XII. Ulusal Veteriner Hekimleri Mikrobiyoloji Kongresi, Turkey, 30 August - 02 September 2016
- XII. **GÖKKUŞAĞI ALABALIĞI ONCORHYNCHUS MYKISS WALBAUM 1792 ÇİFTLİKLERİNDE HASTALIK OLUŞTURAN Lactococcus garvieae ENFEKSİYONLARINDA ANTİMİKROBİYAL DİRENCİN YAYGINLIĞI**  
DUMAN M., ALTUN S., CENGİZ M., BÜYÜKEKİZ A. G., SATICIOĞLU İ. B.  
5. ulusal veteriner farmakoloji ve toksikoloji kongresi, Turkey, 1 - 04 September 2016
- XIII. **Gıda üretiminde kullanılan hayvanlar ile ilişkili E coli nin antimikrobiyal direnç profili**  
BÜYÜKCANGAZ E., CENGİZ M., ŞEN A., SONAL S., KHIDER M.  
XII. Ulusal Veteriner Hekimleri Mikrobiyoloji Kongresi (Uluslararası Katılımlı), Nevşehir, Turkey, 30 August - 02 September 2016
- XIV. **Pharmacological activity of enrofloxacin and fluoroquinolones/polymyxin combination for Escherichia coli**  
CENGİZ M., ŞAHİNTÜRK P., ARSLAN E.  
AAVM, 23 - 26 August 2016
- XV. **Quinolone and multiple drug resistance in Escherichia coli isolated from animals**  
ŞAHİNTÜRK P., CENGİZ M.  
32nd World Veterinary Congress, 13 - 17 September 2015
- XVI. **Characterization and prevention of fluoroquinolone resistance in Escherichia coli isolated from animals**  
CENGİZ M., ŞAHİNTÜRK P., SONAL S.  
13th International Congress of the European Association for Veterinary Pharmacology and Toxicology, Nantes, France, 19 - 22 July 2015, vol.38, pp.2-3
- XVII. **Effects of flouroquinolone resistance determinants on the mutant prevention concentration mutant selection window mutant frequency and bactericidal activity of enrofloxacin in Escherichia coli isolated from animals**  
CENGİZ M., ARSLAN E.  
13th International Congress of the European Association for Veterinary Pharmacology and Toxicology, Nantes, France, 19 - 22 July 2015, vol.38, pp.82-83
- XVIII. **Mastitisli sığır sütlerinden izole edilen Staphylococcus aureus ve meticillin dirençli Stapylococcus aureus (MRSA)'xxlarda çoklu antimikrobiyel direncin (ÇAD) araştırılması**  
BÜYÜKCANGAZ E., CENGİZ M., ŞEN A., MAT B., Şahintürk P.  
XI. Ulusal Veteriner Hekimleri Mikrobiyoloji Kongresi, Turkey, 21 - 24 October 2014
- XIX. **Escherichia coli de florokinolon direnci ve dirençli bakterilerin eliminasyonu**  
CENGİZ M., ŞAHİNTÜRK P., ARSLAN E., SONAL S.  
IV. Ulusal Veteriner Farmakoloji ve Toksikoloji Kongresi, Turkey, 11 - 14 September 2013
- XX. **Chromosome encoded quinolone resistance in E coli isolated from animals**  
CENGİZ M., BÜYÜKCANGAZ E., SONAL S., ŞEN A., ARSLAN E., ŞAHİNTÜRK P., MAT B.  
12th EAVPT Congress, 8 - 12 July 2012
- XXI. **Plasmid mediated quinolone resistance in E coli isolated from animals**  
ARSLAN E., CENGİZ M., BÜYÜKCANGAZ E., SONAL S., ŞEN A., ŞAHİNTÜRK P., MAT B.  
12th EAVPT Congress, 8 - 12 July 2012
- XXII. **Transport of sulfadiazine and sulfamethoxazole in homogenous soil column systems**  
CENGİZ M., ORUÇ H. H., Uzunoglu I., SONAL S.  
46th Congress of the European-Societies-of-Toxicology, Dresden, Germany, 13 - 16 September 2009, vol.189

## Supported Projects

CENGİZ M., Project Supported by Higher Education Institutions, Çoklu antimikrobiyal dirençli Escherichia coli?de genişlemiş spektrumlu ?-laktamaz direncinin karakterizasyonu, 2015 - 2021

## Patent

Cengiz M., Şahintürk P., Dirençli Bakteri Enfeksiyonunda Kullanılabilecek İlaç Kombinasyonu, Patent, CHAPTER A Human Needs, The Invention Registration Number: 2016/10899 , Standard Registration, 2018

Cengiz M., Hepbostancı G., Şahintürk P., SEFTİOFUR VE GENTAMİSİN KOMBİNASYONU İÇEREN FARMASÖTİK KOMPOZİSYONLAR, Patent, CHAPTER A Human Needs, The Invention Recourse Number: 2018/19796 , Standard Registration, 2018

## Metrics

Publication: 49

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