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Education Information

Doctorate, Gazi University, Sağlık Bilimleri Enstitüsü, Tıbbi Mikrobiyoloji, Turkey 2000 - 2004
Postgraduate, Inonu University, Sağlık Bilimleri Enstitüsü, Tıbbi Mikrobiyoloji, Turkey 1997 - 2000
Undergraduate, Inonu University, Fen Edebiyat Fakültesi, Biyoloji Bölümü, Turkey 1992 - 1996

Dissertations

Doctorate, Enfeksiyon Etkeni Olarak İzole Edilen Candida albicans Suşları ile Kolonize Suşlar Arasındaki Genotipik Farklılıkların Pulsed Field Gel Electrophoresis ve Arbitrarily Primed PCR Yöntemi İle Araştırılması. , Gazi University, Tıp Fakültesi, Tıbbi Mikrobiyoloji, 2004
Postgraduate, Malatya'da Hepatit E Virus Seroprevalansının Araştırılması., Inonu University, Tıp Fakültesi, Tıbbi Mikrobiyoloji, 2000

Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Microbiology and Clinical Microbiology, Medical Microbiology

Academic Titles / Tasks

Professor, Inonu University, Tıp Fakültesi, Temel Tıp Bilimleri, 2015 - Continues

Academic and Administrative Experience

Inonu University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2014 - 2015

Courses

Virüslerin genel özellikleri, Undergraduate, 2013-2014
Sterilizasyon ve dezenfeksiyon, Undergraduate, 2013-2014
Mikroorganizmaların sınıflandırılması, Undergraduate, 2013-2014

Listeria-Erisypelotrix, Undergraduate, 2013-2014
Antijenin tanınması ve sunumu, Undergraduate, 2013-2014
Bağışıklık sisteminin düzenlenmesi, Undergraduate, 2013-2014
Felaketlere hazirlik ve biyojik tehditler, Undergraduate, 2013-2014
Aktinomices-Nokardia, Undergraduate, 2013-2014
Mikrobiyal genetik, Undergraduate, 2013-2014
Mikobakteriumlar, Undergraduate, 2013-2014
Antikorların yapısı ve fonksiyonları, Undergraduate, 2013-2014
Antiorların oluş mekanizması, Undergraduate, 2013-2014
Virüslerin çoğalması üreme ve virus-konak ilişkisi, Undergraduate, 2013-2014
Doku uygunluk antijenleri, Undergraduate, 2013-2014
HIV, AIDS, Lentivirüsler, Undergraduate, 2013-2014
Serolojik Yöntemler, Associate Degree, 2012-2013
Sterilizasyon ve dezenfeksiyon , Associate Degree, 2011-2012

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Comparison of 6 aptamer-aptamer pairs on rapid detection of SARS-CoV-2 by lateral flow assay.**
Çam Derin D., Gültekin E., Gündüz E., Otlu B.
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II. **An Outbreak of Vancomycin-Resistant Enterococci in a City Hospital Intensive Care Unit: Molecular Characterization of Resistance.**
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Medicina (Kaunas, Lithuania), vol.59, no.12, 2023 (SCI-Expanded)

III. **Carbapenem-resistant Klebsiella pneumoniae outbreak with monoclonal spread: Evaluation of resistance genes and ceftazidime-avibactam susceptibility.**
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IV. **Designing of rapid assay for the detection of RdRp/Orf1ab specific to SARS-CoV-2.**
Derin D., Gültekin E., Taşkın I., Otlu B., Öktem H. A.
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V. **Cessation of Rectal Screening for Vancomycin-Resistant Enterococci: Experience from a Tertiary Care Hospital from Türkiye.**
Telli Dizman G., Metan G., Zarakolu P., Tanrıverdi E. S., Hazırolan G., Aytaç Ak H., Kılınçarslan D., Uzun M., Çelik Kavaklılar B., Arık Z., et al.
Healthcare (Basel, Switzerland), vol.11, no.19, 2023 (SCI-Expanded)

VI. **A long-lasting Sphingomonas paucimobilis outbreak: A potential for pathogens to persist on environmental devices despite disinfection measures.**
Menekşe Ş., Tanrıverdi E. S., Altınay E., Oğuş H., Aydoğan A. A., Sağlam D., Çelik Ö., Otlu B., Kırali M. K.
American journal of infection control, vol.51, no.7, pp.765-771, 2023 (SCI-Expanded)

VII. **Investigation for the presence of bacteria and antimicrobial resistance genes in sea snails (Rapana venosa).**
Ozbey G., Tanriverdi E. S., Basusta A., Lakshmanappa Y. S., Otlu B., Zigo F.
Annals of agricultural and environmental medicine : AAEM, vol.30, no.2, pp.235-243, 2023 (SCI-Expanded)

VIII. **Stenotrophomonas maltophilia outbreak with a commercial blood gas injector as the culprit and interventions for source and prevention: A possible passage between patient and ECMO water heater device.**
Menekşe Ş., Tanrıverdi E. S., Oğuş H., Altınay E., Kaya Ç., Çağlayan E., Aydoğan A. A., Otlu B., Kırali M. K.
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IX. **Comparative humoral response of mRNA and inactivated vaccines against COVID-19 in healthy**

adults aged 60 years and older.
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Journal of infection in developing countries, vol.17, no.2, pp.178-181, 2023 (SCI-Expanded)

X. **Does marking as sterile mean really sterile? Stenotrophomonas maltophilia outbreak caused by a blood-gas injector containing liquid heparin.**
Telli Dizman G., Metan G., Karahan G., Tanrıverdi E. S., Hazırolan G., Otlu B., Sönmezer M. Ç., Gül N. D., Çınar B., Ünal S.
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XI. **Determination of safety status and probiotic properties of Enterococcus strains isolated from traditional cheeses in Turkey.**
Kanak E. K., Yilmaz S. Ö., Altindiş M., Tanriverdi E. S., Otlu B.
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XII. **[The Importance of Gram-stained Smears in the Diagnosis of Nocardia Infections].**
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XIII. **Clinical Properties of COVID-19 Developed in the Patients with Tuberculosis**
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MIKROBIYOLOJI BULTENI, vol.56, no.4, pp.722-728, 2022 (SCI-Expanded)

XIV. **[Investigation of the VISA and hVISA Presence in Methicillin-Resistant Staphylococcus aureus Isolates by Various Methods].**
Uçar Ş., Duman Y., Tanrıverdi E. S., Tekerekoğlu M. S., Otlu B.
Mikrobiyoloji bulteni, vol.56, no.4, pp.593-605, 2022 (SCI-Expanded)

XV. **Diagnostic and treatment outcomes of patients with pulmonary tuberculosis in the first year of COVID-19 pandemic.**
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XVI. **In-vitro activity of fosfomycin against Escherichia coli and Klebsiella pneumoniae bloodstream isolates and frequency of OXA-48, NDM, KPC, VIM, IMP types of carbapenemases in the carbapenem-resistant groups**
Zarakolu P., ESER Ö., OTLU B., GÜRPINAR Ö., ÖZAKIN C., AKALIN E. H., Koksal I., ÜNAL S.
JOURNAL OF CHEMOTHERAPY, vol.34, no.4, pp.235-240, 2022 (SCI-Expanded)

XVII. **The Bad Bug is Back: Acinetobacter Baumannii Bacteremia Outbreak during the COVID-19 Pandemic in an Intensive Care Unit**
Mete B., Kurt A., Urkmez S., Demirkiran O., Can G., Dumanli G., Bozbay S., Arsu H., Otlu B., KARAALİ R., et al.
NIGERIAN JOURNAL OF CLINICAL PRACTICE, vol.25, no.5, pp.702-709, 2022 (SCI-Expanded)

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THAI JOURNAL OF VETERINARY MEDICINE, vol.52, no.1, pp.63-73, 2022 (SCI-Expanded)

XX. **Purulent Renal Papillitis Due to Streptococcus Infantarius Subsp. Infantarius in a Horse**
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XXI. **Oral colonization of Acinetobacter baumannii in intensive care units: Risk factors, incidence, molecular epidemiology, association with the occur of pneumonia and sepsis, and infection control**

measures
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IRANIAN JOURNAL OF BASIC MEDICAL SCIENCES, vol.25, no.2, pp.239-244, 2022 (SCI-Expanded)

XXII. **Hepatitis E Infection in Solid Organ Transplant Recipients in Turkey**
Ogut S., SAYINER A. A., OTLU B., BOZDAYI G., ZEYTİNOĞLU TÜRKEŞ A., Aksaray S., ÇOLAK D., GÖKAHMETOĞLU S., Aysin M.
TURKISH JOURNAL OF GASTROENTEROLOGY, vol.33, no.1, pp.68-73, 2022 (SCI-Expanded)

XXIII. **p Molecular Epidemiological Analysis of Bacillus Pseudo-Outbreak due to Contaminated Culture Tubes Containing Stuart Medium**
Asgin N., Kal-Cakmakliogullari E., OTLU B., Ersoy O. F., Celik B., Basustaoglu A.
CLINICAL LABORATORY, vol.68, no.1, pp.115-120, 2022 (SCI-Expanded)

XXIV. **Identification of bacterial species in milk by MALDI-TOF and assessment of some oxidant-antioxidant parameters in blood and milk from cows with different health status of the udder**
Ozbey G., Cambay Z., Yilmaz S., Aytekin O., Zigo F., Ozcelik M., Otlu B.
POLISH JOURNAL OF VETERINARY SCIENCES, vol.25, no.2, pp.269-277, 2022 (SCI-Expanded)

XXV. **p A Case of Intra-abdominal Tuberculosis Due to Mycobacterium bovis Mimicking Ovarian Cancer: Importance of Microbiological Diagnosis**
Dalgic B. C. T., Yenisehirli G., TANRİVERDİ E. S., Akkan M., OTLU B., Sezer O., Koseoglu H. i.
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XXVI. **Effects of larazotide acetate, a tight junction regulator, on the liver and intestinal damage in acute liver failure in rats**
Caliskan A. R., GÜL M., YILMAZ İ., OTLU B., ÜREMİŞ N., ÜREMİŞ M. M., Kilicaslan I., GÜL S., Tikici D., Saglam O., et al.
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XXVII. **Clinical Characteristics and Outcomes of Liver Transplantation Recipients With COVID-19 Pneumonia**
Kose A., Toplu S. A., Yalcinsoy M., Yakupogullari Y., Otlu B., Otan E., Aydin C., Yilmaz S., Bayindir Y.
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XXVIII. **Short-term experiences of a liver transplant centre before and after the COVID-19 pandemic.**
ALTUNIŞIK TOPLU S., BAYINDIR Y., YILMAZ S., YALÇINSOY M., OTLU B., KÖSE A., ŞAHİN T. T., AKBULUT A. S., IŞIK B., BAŞKIRAN A., et al.
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OTLU B., YAKUPOĞULLARI Y., TANRİVERDİ E. S., BAYINDIR Y.
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XXXI. **Comparison of Conventional Methods, Automated Systems, and DNA Sequence Analysis Methods in the Identification of Corynebacterium afermentans and Corynebacterium mucifaciens Bacteria Isolated from Blood and Catheter Culture Samples**
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XXXII. **Evaluation of Cytomegalovirus Infections in Liver Transplant Recipients Under Universal Prophylaxis: A Single Centre Experience**
ALTUNIŞIK TOPLU S., KÖSE A., KARAKAŞ S., BAYINDIR Y., OTLU B., YILMAZ S.
HEPATITIS MONTHLY, vol.21, no.6, 2021 (SCI-Expanded)

XXXIII. **Molecular Epidemiological Analysis of Bacillus Pseudo-Outbreak due to Contaminated Culture Tubes Containing Stuart Medium**
Asgin N., Kal-Cakmakliogullari E., OTLU B., Ersoy O. F., Celik B., Basustaoglu A.

CLINICAL LABORATORY, 2021 (SCI-Expanded)

XXXIV. **Risk factors for fecal carriage of extended-spectrum beta-lactamase-producing and carbapenem-resistant Escherichia coli and Klebsiella pneumoniae strains among patients at hospital admission**
Kizilates F., YAKUPOĞULLARI Y., Berk H., Oztoprak N., OTLU B.
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XXXV. **Cytomegalovirus associated severe pneumonia in three liver transplant recipients**
Kose A., Yalcinsoy M., Samdanci E., Barut B., Otlu B., Yilmaz S., Bayindir Y.
JOURNAL OF INFECTION IN DEVELOPING COUNTRIES, vol.14, no.11, pp.1338-1343, 2020 (SCI-Expanded)

XXXVI. **Larazotide acetate reduces the frequency of bacterial translocation in the thioacetamide-induced liver failure in rats**
Caliskan A. R., Harputluoglu M. M., OTLU B., GÜL M., GÜREL E., ÜREMİŞ N., Dertli R., Aladag M., Demirel U., Madan J.
JOURNAL OF HEPATOLOGY, vol.73, 2020 (SCI-Expanded)

XXXVII. **Employee Safety and Biosafety Applications in Microbiology Laboratories; A Multicenter Evaluation in Turkey**
Koroglu M., ALTINDİŞ S., Aydemir O., Yuksel B., Demiray T., ERKORKMAZ Ü., Aslan F. G., OTLU B., ALTINDİŞ M.
MIKROBIYOLOJI BULTENI, vol.54, no.3, pp.347-367, 2020 (SCI-Expanded)

XXXVIII. **The Microbiological Analysis of a Rhizobium radiobacter Outbreak After Intravitreal Injection**
Parlak M., Batur M., Olmez S., Güdücüoğlu H., OTLU B.
MIKROBIYOLOJI BULTENI, vol.54, no.2, pp.235-245, 2020 (SCI-Expanded)

XXXIX. **Emergence of colistin and carbapenem-resistant Acinetobacter calcoaceticus-Acinetobacter baumannii (CCR-Acb) complex in a neurological intensive care unit followed by successful control of the outbreak**
METAN G., Zarakolu P., OTLU B., Tekin I., Aytac H., BÖLEK E. Ç., Metin B. C., Arsava E. M., ÜNAL S.
JOURNAL OF INFECTION AND PUBLIC HEALTH, vol.13, no.4, pp.564-570, 2020 (SCI-Expanded)

XL. **Antimicrobial Resistance and Molecular Epidemiology of Corynebacterium striatum Isolated in a Tertiary Hospital in Turkey**
AŞGIN N., OTLU B.
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XLI. **Laparoscopic Ovarian Drilling Improves Endometrial Homeobox Gene Expression in PCOS**
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XLIII. **Antibiotic Resistance and Molecular Epidemiology of Vancomycin-Resistant Enterococci in a Tertiary Care Hospital in Turkey**
AŞGIN N., OTLU B.
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XLIV. **A silent outbreak due to Klebsiella pneumoniae that co-produced NDM-1 and OXA-48 carbapenemases, and infection control measures**
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IRANIAN JOURNAL OF BASIC MEDICAL SCIENCES, vol.23, no.1, pp.46-50, 2020 (SCI-Expanded)

XLV. **HEV seroprevalence in blood donors in Turkey by two commercial total anti-HEV Ab ELISA kits**
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Karatayli E., Soydemir E., Aksoy Z. B., Kizilpinar M., Kocak A. A., Karatayli S. C., Yurdcu E., Yildirim U., Guriz H., BOZDAYI G., et al.

TURKISH JOURNAL OF GASTROENTEROLOGY, vol.30, no.11, pp.957-963, 2019 (SCI-Expanded)

XLVII. **High prevalence of TEM, VIM, and OXA-2 beta-lactamases and clonal diversity among Acinetobacter baumannii isolates in Turkey**
AŞGIN N., OTLU B., KAL ÇAKMAKLIOĞULLARI E., Celik B.
JOURNAL OF INFECTION IN DEVELOPING COUNTRIES, vol.13, no.9, pp.794-801, 2019 (SCI-Expanded)

XLVIII. **Relationship between nucleotide-binding oligomerization domain-containing protein 2 variants and severity of acute pancreatitis.**
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Kahraman E. P., TOPTAN H., OTLU B., Koroglu M., ALTINDİŞ M.
MIKROBIYOLOJI BULTENI, vol.53, no.2, pp.134-143, 2019 (SCI-Expanded)

L. **Case report: systemic tuberculosis caused by Mycobacterium bovis in a cat**
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LI. **Performance of MALDI-TOF MS for the Identification of Gram-negative Bacteria Grown on Eosin Methylene Blue (EMB) Agar: A Simple Method for Improving the Effectiveness of Identification**
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LII. **Enterotoxemia Caused by Clostridium perfringens Type E in a Calf**
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ERÖKSÜZ Y., OTLU B., ERÖKSÜZ H., GÜRSOY N. C., Yerlikaya Z., İNCİLİ C. A., Karabulut B., TİMURKAAN N., TİMURKAN M. Ö.
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LIV. **Evaluation of 2015-2016 MOTAKK HBV DNA and HCV RNA External Quality Assessment National Program Results**
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LV. **Pathogens of Intensive Care Unit-Acquired Infections and Their Antimicrobial Resistance: A 9-Year Analysis of Data from a University Hospital**
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LX. **A RARELY ISOLATED GRAM- NEGATIVE BACTERIUM IN MICROBIOLOGY LABORATORIES: LECLERCIA ADECARBOXYLATA**
Cicek M., Tuncer O., Bicakcigil A., GÜRSOY N. C., OTLU B., SANCAK B.
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LXI. **Investigation of High-Risk ST131 Clone in ESBL-Producing Escherichia coli Isolates Isolated from Urine and Non-urinary Clinical Specimens with MALDI-TOF MS and Real Time PCR**
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LXII. **A First Insight into Escherichia coli ST131 High-Risk Clone Among Extended-Spectrum Beta-Lactamase-Producing Urine Isolates in Istanbul with the Use of Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass-Spectrometry and Real-Time PCR**
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