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Education Information

Doctorate, Ondokuz Mayıs University, Institute Of Health Sciences, Mikrobiyoloji, Turkey 1997 - 2002

Postgraduate, Ondokuz Mayıs University, Institute Of Health Sciences, Mikrobiyoloji, Turkey 1994 - 1997

Undergraduate, Dokuz Eylul University, Tıp Fakültesi, Tibbi Biyolojik Bilimler Bölümü, Turkey 1989 - 1993

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, The in vitro investigation of the effects of nitric oxide donor DETA-NO alone and in combination with some antibiotics against salmonella enterica serovar typhimurium isolates, Ondokuz Mayıs University, Sağlık Bilimleri Enstitüsü, Mikrobiyoloji, 2002

Postgraduate, M. tuberculosis ilaç duyarlılığının Löwenstein-Jensen ve Middlebrook 7HIO besiyerinde proportion metod ile karşılaştırmalı olarak araştırılması The Comperative investigation of the M. tuberculosis drug resistance in Löwenstein-Jensen and Middlebrook 7HIO mediums by the proportion metod, Ondokuz Mayıs University, Sağlık Bilimleri Enstitüsü, Mikrobiyoloji, 1997

Research Areas

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

Academic Titles / Tasks

Professor, Akdeniz University, Antalya Sağlık Yüksekokulu, Beslenme Ve Diyetetik, 2017 - Continues

Professor, Akdeniz University, Faculty of Health Sciences, Beslenme Ve Diyetetik , 2017 - Continues

Professor, Ondokuz Mayıs University, School Of Medicine, Temel Tıp Bilimleri, 2014 - 2017

Associate Professor, Ondokuz Mayıs University, School Of Medicine, Temel Tıp Bilimleri, 2006 - 2014

Assistant Professor, Ondokuz Mayıs University, School Of Medicine, Temel Tıp Bilimleri, 2003 - 2006

Expert, Ondokuz Mayıs University, School Of Medicine, Temel Tıp Bilimleri, 2001 - 2003

Research Assistant, Ondokuz Mayıs University, School Of Medicine, Temel Tıp Bilimleri, 1995 - 2001

Published journal articles indexed by SCI, SSCI, and AHCI

- I. Thermal Inactivation of Airborne SARS-CoV-2 by an Electric Fan Heater in Winter and Defining Conditions to Ensure That All the Air Passes Through the Fan
CANPOLAT M., Şakalar C., Bozkurt S., ÇOBAN A. Y., Karacayli D., Toker E.
Journal of Thermal Science and Engineering Applications, vol.16, no.2, 2024 (SCI-Expanded)
- II. The Effect of Inoculum Size on Antimicrobial Susceptibility Testing of *Mycobacterium tuberculosis*
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Microbiology spectrum, vol.11, no.3, 2023 (SCI-Expanded)
- III. The Anti-angiogenic and Anti-microbial Effect of Diosmin: Potential Receptor Interactions via Molecular Docking
ŞİMŞEK E., Koçak O., YILDIRIM K., Kuruoğlu A., Taşkın N. D., Bozkurt S., İMİR N., Ataş C., Akçit E. T., ÇOBAN M., et al.
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- IV. Novel thiourea derivatives against *Mycobacterium tuberculosis*: synthesis, characterization and molecular docking studies
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Phosphorus, Sulfur and Silicon and the Related Elements, vol.198, no.10, pp.844-853, 2023 (SCI-Expanded)
- V. Efflux pump effects on *Mycobacterium tuberculosis* drug resistance
Valiyeva G., Durupınar B., ÇOBAN A. Y.
Journal of Chemotherapy, vol.35, no.7, pp.601-609, 2023 (SCI-Expanded)
- VI. Detoxification of aflatoxin M1 in different milk types using probiotics
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- VII. Rapid thermal inactivation of aerosolized SARS-CoV-2
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- VIII. Cytotoxicity of Acrylic Resins, Particulate Filler Composite Resin and Thermoplastic Material in Artificial Saliva with and without Melatonin
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MATERIALS, vol.15, no.4, 2022 (SCI-Expanded)
- IX. Multicenter evaluation of AYC.2.2 agar for the isolation of mycobacteria from clinical samples
ÇOBAN A. Y., CEYHAN İ., Uzun M., Genc G. E., Bicmen C., ÖZKÜTÜK N., SÜRÜCÜOĞLU S., Yanar O., ASLAN G., Kurnaz N., et al.
INDIAN JOURNAL OF MEDICAL MICROBIOLOGY, vol.40, no.1, pp.127-131, 2022 (SCI-Expanded)
- X. A novel agar base medium for drug susceptibility testing of *Mycobacterium tuberculosis* isolates
ÇOBAN A. Y.
FUTURE MICROBIOLOGY, vol.16, no.13, pp.949-953, 2021 (SCI-Expanded)
- XI. Tuberculosis and beta-lactam antibiotics
Gun M. A., BOZDOĞAN B., ÇOBAN A. Y.
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- XII. A new colorimetric method for rapid detection of ethambutol and streptomycin resistance in *Mycobacterium tuberculosis*: crystal violet decolorization assay (CVDA)
ÇOBAN A. Y., Akbal A. U., CEYHAN İ., UZUN M., Selale D. S., Aslan G., Delalioglu N., OZYURT M., BEKTORE B., BICMEN C., et al.
ANTONIE VAN LEEUWENHOEK INTERNATIONAL JOURNAL OF GENERAL AND MOLECULAR MICROBIOLOGY, vol.112, no.5, pp.679-685, 2019 (SCI-Expanded)
- XIII. Same-day Detection of Methicillin Resistance in *Staphylococcus aureus* Isolates by StaResMet (R) Kit

- SEZGİN F. M., Vural A., KİRAZ A., ÇAYCI Y. T., Coban C., BOZDOĞAN B., ÇOBAN A. Y.
JUNDISHAPUR JOURNAL OF MICROBIOLOGY, vol.10, no.11, 2017 (SCI-Expanded)
- XIV. **Multicenter Evaluation of the Indirect Nitrate Reductase Assay for the Rapid Detection of Multidrug-Resistant Tuberculosis**
Coban A. Y., Tastekin B., UZUN M., Kalayci F., CEYHAN I., BICMEN C., ALBAY A., SIG A. K., Ozkutuk N., Surucuoglu S., et al.
MIKROBIYOLOJI BULTENI, vol.50, no.1, pp.140-146, 2016 (SCI-Expanded)
- XV. **Photonuclear reactions with zinc: A case for clinical linacs**
Boztosun I., Dapo H., Karakoç M., Özmen S. F., Cecen Y., Coban A. Y., Caner T., Bayram E., Saito T. R., Akdogan T., et al.
EUROPEAN PHYSICAL JOURNAL PLUS, vol.130, no.9, 2015 (SCI-Expanded)
- XVI. **Evaluation of four colourimetric susceptibility tests for the rapid detection of multidrug-resistant Mycobacterium tuberculosis isolates**
Coban A. Y., Akbal A. U., UZUN M., Durupinar B.
MEMORIAS DO INSTITUTO OSWALDO CRUZ, vol.110, no.5, pp.649-654, 2015 (SCI-Expanded)
- XVII. **Detection of the First QnrS Gene Positivity in Aquatic Aeromonas spp. Isolates in Turkey**
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- XVIII. **Seasonal and Regional Distribution of Tularemia Cases in Amasya, Turkey**
Yanik K., Sariaydin M., UZUN M. O., Coban A. Y., SECILMIS H. L.
MIKROBIYOLOJI BULTENI, vol.49, no.1, pp.139-141, 2015 (SCI-Expanded)
- XIX. **Optimum management of Citrobacter koseri infection**
Deveci A., Coban A. Y.
EXPERT REVIEW OF ANTI-INFECTIVE THERAPY, vol.12, no.9, pp.1137-1142, 2014 (SCI-Expanded)
- XX. **Antimicrobial susceptibility and resistance mechanisms of methicillin resistant Staphylococcus aureus isolated from 12 Hospitals in Turkey**
Yildiz O., Coban A. Y., Sener A. G., COSKUNER S. A., BAYRAMOĞLU G., Güdücüoğlu H., OZYURT M., Tatman-Otkun M., KARABIBER N., Ozkutuk N., et al.
ANNALS OF CLINICAL MICROBIOLOGY AND ANTIMICROBIALS, vol.13, 2014 (SCI-Expanded)
- XXI. **Investigation of plasmid-mediated quinolone resistance in Pseudomonas aeruginosa clinical isolates**
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- XXII. **Efficacy of different instrumentation techniques on reducing Enterococcus faecalis infection in experimentally infected root canals**
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- XXIII. **Nitrate Reductase Assay for Rapid Detection of Isoniazid, Rifampin, Ethambutol, and Streptomycin Resistance in Mycobacterium tuberculosis: a Systematic Review and Meta-Analysis**
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Coban A. Y., DEMIRPEK U., Ciftci A., Bozdogan B.
MIKROBIYOLOJI BULTENI, vol.48, no.1, pp.40-47, 2014 (SCI-Expanded)
- XXV. **Antimicrobial and Antioxidant Activity of the Essential Oil of the Turkish Endemic Species Achillea phrygia Boiss. & Bal.**
Akcin A., Akcin T. A., SEYİS F., Coban A. Y., Durupinar B.
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- XXVI. **Rapid detection of multidrug-resistant Mycobacterium tuberculosis using the malachite green decolourisation assay**
Coban A. Y., UZUN M.
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- XXVII. **Evaluation of Agar-Based Medium with Sheep Sera for Testing of Drug Susceptibility of *Mycobacterium tuberculosis* to Isoniazid, Rifampin, Ethambutol, and Streptomycin**
 Coban A. Y., UZUN M., Bozdogan B.
 JOURNAL OF CLINICAL MICROBIOLOGY, vol.51, no.12, pp.4243-4245, 2013 (SCI-Expanded)
- XXVIII. **t030 is the Most Common spa Type Among Methicillin-Resistant *Staphylococcus aureus* Strains Isolated from Turkish Hospitals**
 Bozdogan B., Yildiz O., Oryasin E., Kirdar S., Gulcu B., Aktepe O., Arslan U., BAYRAMOĞLU G., Coban A. Y., COSKUNER S. A., et al.
 MIKROBIYOLOJİ BULTENİ, vol.47, no.4, pp.571-581, 2013 (SCI-Expanded)
- XXIX. **Blood Agar Validation for Susceptibility Testing of Isoniazid, Rifampicin, Ethambutol, and Streptomycin to *Mycobacterium tuberculosis* Isolates**
 Coban A. Y.
 PLOS ONE, vol.8, no.2, 2013 (SCI-Expanded)
- XXX. **Investigation of biofilm formation in *Acinetobacter baumannii* isolates and their colistin susceptibilities in biofilm**
 Sezgin F. M., Coban A. Y., Gunaydin M.
 INTERNATIONAL JOURNAL OF ANTIMICROBIAL AGENTS, vol.41, no.2, pp.199, 2013 (SCI-Expanded)
- XXXI. **In Vitro Effect of Ankaferd Blood Stopper (R), a Plant Extract Against *Mycobacterium tuberculosis* Isolates**
 Deveci A., Coban A. Y., Tanrıverdi Cayci Y., Acıbe O., Tasdelen Fisgin N., AKGUNES A., Ozatlı D., UZUN M., Durupınar B.
 MIKROBIYOLOJİ BULTENİ, vol.47, no.1, pp.71-78, 2013 (SCI-Expanded)
- XXXII. **Chemical Composition and Antimicrobial Activity of the Essential Oil of Endemic *Heracleum platytaenium* Boiss. from Turkey**
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- XXXIII. **In vitro effects of sulbactam combinations with different antibiotic groups against clinical *Acinetobacter baumannii* isolates**
 Deveci A., Coban A. Y., Acıbe O., Tanyel E., Yaman G., Durupınar B.
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- XXXIV. **Comparative evaluation of the microplate nitrate reductase assay and the rezasurin microtitre assay for the rapid detection of multidrug resistant *Mycobacterium tuberculosis* clinical isolates**
 Coban A. Y., UZUN M., AKGUNES A., Durupınar B.
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- XXXV. **Investigation of Plasmid-Mediated Quinolone Resistance Determinants in Enterobacteriaceae: A Multicenter Study**
 Coban A. Y., NOHUT O. K., Cayci Y. T., BAYRAMOĞLU G., PIRINÇCILER M., CETINKAYA E., CIHAN C. C., Bozdogan B., Durupınar B.
 MIKROBIYOLOJİ BULTENİ, vol.46, no.3, pp.366-374, 2012 (SCI-Expanded)
- XXXVI. **Rapid Determination of Methicillin Resistance among *Staphylococcus aureus* Clinical Isolates by Colorimetric Methods**
 Coban A. Y.
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- XXXVII. **Rapid Direct Testing of Susceptibility of *Mycobacterium tuberculosis* to Isoniazid and Rifampin on Nutrient and Blood Agar in Resource-Starved Settings**
 SATTI L., IKRAM A., Coban A. Y., MARTIN A.
 JOURNAL OF CLINICAL MICROBIOLOGY, vol.50, no.5, pp.1659-1662, 2012 (SCI-Expanded)
- XXXVIII. **Effect of nuclear deformation on alpha-decay half-lives**
 ÇOBAN A. Y., BAYRAK O., Soylu A., BOZTOSUN İ.
 PHYSICAL REVIEW C, vol.85, no.4, 2012 (SCI-Expanded)
- XXXIX. **Serum galectin-3 levels in patients with Behcet's disease: association with disease activity over a**

long-term follow-up

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XL. Evaluation of Blood Agar Medium for the Growth of Mycobacteria

Coban A. Y., AKGUNES A., Durupinar B.

MIKROBIYOLOJI BULTENI, vol.45, no.4, pp.617-622, 2011 (SCI-Expanded)

XLI. Investigation of Plasmid-Mediated Quinolone Resistance in *Pseudomonas aeruginosa* Strains Isolated from Cystic Fibrosis Patients

Coban A. Y., Cayci Y. T., Yildirim T., ERTURAN Z., Durupinar B., Bozdogan B.

MIKROBIYOLOJI BULTENI, vol.45, no.4, pp.602-608, 2011 (SCI-Expanded)

XLII. Correlation Between Serum Galectin-3 Levels and Disease Severity in Psoriasis Vulgaris

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XLIII. Rapid detection of methicillin resistance in *Staphylococcus aureus* isolates; evaluation of colorimetric Quicolor ES agar and determination of breakpoint inhibition zone diameters of cefoxitin

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WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY, vol.27, no.8, pp.1901-1904, 2011 (SCI-Expanded)

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XLV. Investigation of Panton-Valentine Leukocidin Presence in the Clinical Strains of *Staphylococcus aureus*

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XLVI. A rapid detection of multidrug-resistant *Mycobacterium tuberculosis* by a nitrate reductase assay on blood agar

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XLVIII. Effect of 1-(1-Naphthylmethyl)-piperazine, an Efflux Pump Inhibitor, on Antimicrobial Drug Susceptibilities of Clinical *Acinetobacter baumannii* Isolates

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- LIII. **The Value of Neopterin and Procalcitonin in Patients with Sepsis**
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- LIV. **INVESTIGATION OF THE IN VITRO ANTIBACTERIAL EFFECTS OF STATINS**
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- LV. **Effects of Efflux Pump Inhibitors Phenyl-Arginine-beta-Naphthylamide and 1-(1-Naphthylmethyl)-Piperazine on the Antimicrobial Susceptibility of Pseudomonas aeruginosa Isolates from Cystic Fibrosis Patients**
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- LVI. **INVESTIGATION OF ANTIBACTERIAL ACTIVITY OF SERTRALIN**
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- LVII. **INVESTIGATION OF BIOFILM FORMATION AND RELATIONSHIP WITH GENOTYPE AND ANTIOTIC SUSCEPTIBILITY OF PSEUDOMONAS AERUGINOSA STRAINS ISOLATED FROM PATIENTS WITH CYSTIC FIBROSIS**
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- LVIII. **EFFECT OF EFFLUX PUMP INHIBITOR 1-(1-NAPHTHYLMETHYL)-PIPERAZINE TO MIC VALUES OF CIPROFLOXACIN IN CIPROFLOXACIN RESISTANT GRAM-NEGATIVE BACTERIA**
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- LIX. **EFFECT OF LINEZOLID IN COMBINATION WITH ISONIAZID AND RIFAMPICIN AGAINST MULTIDRUG RESISTANT MYCOBACTERIUM TUBERCULOSIS CLINICAL ISOLATES**
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- LX. **Antimicrobial activity of plant extract Ankaferd Blood Stopper (R)**
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- LXI. **IN VITRO EFFECT OF REACTIVE NITROGEN AND OXYGEN INTERMEDIATES ALONE AND IN COMBINATION WITH SOME ANTIOTICS AGAINST BRUCELLA MELITENSIS CLINICAL ISOLATES**
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- LXIII. **Comparative Study for Determination of Mycobacterium tuberculosis Susceptibility to First- and Second-Line Antituberculosis Drugs by the Etest Using 7H11, Blood, and Chocolate Agar**
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- LXIV. **INVESTIGATION OF THE EFFECT OF EFFLUX PUMP INHIBITORS TO MIC VALUES OF CIPROFLOXACIN IN CLINICAL ISOLATES OF PSEUDOMONAS AERUGINOSA, ESCHERICHIA COLI, ACINETOBACTER BAUMANNII AND STAPHYLOCOCCUS AUREUS**
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- LXVII. **Evaluation of blood agar for susceptibility testing of *Mycobacterium tuberculosis* against first-line antituberculous drugs: Results from two centers**
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- LXVIII. **Antimicrobial effect of nitric oxide**
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