

## Prof. AHMET YILMAZ ÇOBAN

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: I-9067-2017

Yoksis Researcher ID: 17731

### 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 Eylül University, Tıp Fakültesi, Tıbbi 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 7H10 besiyerinde proportion metod ile karşılaştırmalı olarak araştırılması The Comparative investigation of the M. tuberculosis drug resistance in Löwenstein-Jensen and Middlebrook 7H10 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**  
YILDIRIM K., Atas C., ŞİMŞEK E., ÇOBAN A. Y.  
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., Atas C., Akçit E. T., ÇOBAN M., et al.  
Revista Brasileira de Farmacognosia, vol.33, no.2, pp.422-431, 2023 (SCI-Expanded)
- IV. **Novel thiourea derivatives against Mycobacterium tuberculosis: synthesis, characterization and molecular docking studies**  
Kutlu E., Emen F. M., YILDIRIM K., Atas C., Demirdogen R. E., Yesilkaynak T., Kinaytürk N. K., ŞİMŞEK E., ÇOBAN A. Y.  
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**  
Sanaldi K., ÇOBAN A. Y.  
Anais da Academia Brasileira de Ciencias, vol.95, 2023 (SCI-Expanded)
- VII. **Rapid thermal inactivation of aerosolized SARS-CoV-2**  
CANPOLAT M., Bozkurt S., Sakalar C., ÇOBAN A. Y., Karacayli D., Toker E.  
JOURNAL OF VIROLOGICAL METHODS, vol.301, 2022 (SCI-Expanded)
- VIII. **Cytotoxicity of Acrylic Resins, Particulate Filler Composite Resin and Thermoplastic Material in Artificial Saliva with and without Melatonin**  
CENGİZ S., Velioglu N., CENGİZ M. İ., cakmak oezlue F., Akbal A. U., ÇOBAN A. Y., oezcan M.  
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.  
FUTURE MICROBIOLOGY, vol.15, no.10, pp.937-944, 2020 (SCI-Expanded)
- 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., Delialioglu 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., KIRAZ 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.  
MIKROBIYOLOJİ BULTENİ, 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., Çoban 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**  
Onuk E. E., ÇAYCI Y. T., Coban A. Y., Ciftci A., BALTA F., Didinen B. I., ALTUN S., unlu M. S., Deveci A.  
MIKROBIYOLOJİ BULTENİ, vol.49, no.1, pp.114-123, 2015 (SCI-Expanded)
- XVIII. **Seasonal and Regional Distribution of Tularemia Cases in Amasya, Turkey**  
Yanik K., Sariaydin M., UZUN M. O., Coban A. Y., SECILMIS H. L.  
MIKROBIYOLOJİ BULTENİ, 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., KARABİBER N., Ozkutuk N., et al.  
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- XXI. **Investigation of plasmid-mediated quinolone resistance in Pseudomonas aeruginosa clinical isolates**  
ÇAYCI Y. T., Coban A. Y., Gunaydin M.  
INDIAN JOURNAL OF MEDICAL MICROBIOLOGY, vol.32, no.3, pp.285-289, 2014 (SCI-Expanded)
- XXII. **Efficacy of different instrumentation techniques on reducing Enterococcus faecalis infection in experimentally infected root canals**  
Demiryurek E. O., Kalyoncuoglu E., Duran E., Coban A. Y., Cayci Y. T.  
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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**  
Coban A. Y., Deveci A., Sunter A. T., MARTIN A.  
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- XXIV. **Nitrate Reductase Assay for the Rapid Detection of Staphylococcus aureus Methicillin Resistance: A Breakpoint Susceptibility Testing Method**  
Coban A. Y., DEMİRPEK U., Ciftci A., Bozdogan B.  
MIKROBIYOLOJİ BULTENİ, 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.**  
Akcın A., Akcın T. A., SEYİS F., Coban A. Y., Durupinar B.  
JOURNAL OF ESSENTIAL OIL BEARING PLANTS, vol.17, no.2, pp.219-227, 2014 (SCI-Expanded)
- XXVI. **Rapid detection of multidrug-resistant Mycobacterium tuberculosis using the malachite green decolourisation assay**  
Coban A. Y., UZUN M.  
MEMORIAS DO INSTITUTO OSWALDO CRUZ, vol.108, no.8, pp.1021-1023, 2013 (SCI-Expanded)

- 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., Tanriverdi Cayci Y., Acicbe O., Tasdelen Fisgin N., AKGUNES A., Ozatli D., UZUN M., Durupinar B.  
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- XXXII. **Chemical Composition and Antimicrobial Activity of the Essential Oil of Endemic Heracleum platytaenium Boiss. from Turkey**  
Akcin A., SEYİS F., Akcin T. A., Cayci Y. T., Coban A. Y.  
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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., Acicbe O., Tanyel E., Yaman G., Durupinar 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., Durupinar 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., PIRINCCILER M., CETINKAYA E., CIHAN C. C., Bozdogan B., Durupinar 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.  
JOURNAL OF CLINICAL MICROBIOLOGY, vol.50, no.7, pp.2191-2193, 2012 (SCI-Expanded)
- 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**

Ozden M. G., Cayci Y. T., Tekin H., Coban A. Y., Aydin F., Senturk N., Bek Y., Canturk T., Turanli A. Y.  
JOURNAL OF THE EUROPEAN ACADEMY OF DERMATOLOGY AND VENEREOLOGY, vol.25, no.10, pp.1168-1173,  
2011 (SCI-Expanded)

- 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)
- XLII. **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)
- XLIII. **Correlation Between Serum Galectin-3 Levels and Disease Severity in Psoriasis Vulgaris**  
Ozden M. G., Denizli H., Cayci Y. T., Coban A. Y., Aydin F., Senturk N., Canturk T., Turanli A. Y.  
TURKDERM-TURKISH ARCHIVES OF DERMATOLOGY AND VENEROLOGY, vol.45, no.3, pp.152-154, 2011 (SCI-Expanded)
- XLIV. **Rapid detection of methicillin resistance in Staphylococcus aureus isolates; evaluation of colorimetric Quicolor ES agar and determination of breakpoint inhibition zone diameters of ceftiofur**  
Coban A. Y., Demirpek U., Yildirim T., Cayci Y. T., KOCAGÖZ Z. T., Durupinar B.  
WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY, vol.27, no.8, pp.1901-1904, 2011 (SCI-Expanded)
- XLV. **Phenotypic and molecular characterization of Yersinia ruckeri isolates from Rainbow Trout (Oncorhynchus mykiss, Walbaum, 1792) in Turkey**  
Onuk E. E., Ciftci A., Findik A., Ciftci G., ALTUN S., BALTA F., Ozer S., Coban A. Y.  
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- XLVI. **Investigation of Panton-Valentine Leukocidin Presence in the Clinical Strains of Staphylococcus aureus**  
CIRIT O. S., Yildirim T., Coban A. Y.  
BALKAN MEDICAL JOURNAL, vol.28, no.2, pp.119-124, 2011 (SCI-Expanded)
- XLVII. **A rapid detection of multidrug-resistant Mycobacterium tuberculosis by a nitrate reductase assay on blood agar**  
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- XLVIII. **In vitro effect of tigecycline against Mycobacterium tuberculosis and a review of the available drugs for tuberculosis**  
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- XLIX. **Effect of 1-(1-Naphtylmethyl)-piperazine, an Efflux Pump Inhibitor, on Antimicrobial Drug Susceptibilities of Clinical Acinetobacter baumannii Isolates**  
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- L. **Human leucocyte antigens and cytokine gene polymorphisms and tuberculosis**  
Akgunes A., Coban A. Y., Durupinar B.  
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- LI. **Testing Susceptibility of Multidrug-Resistant Mycobacterium tuberculosis to Second-Line Drugs by Use of Blood Agar**  
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JOURNAL OF CLINICAL MICROBIOLOGY, vol.48, no.11, pp.4291-4293, 2010 (SCI-Expanded)
- LII. **Investigation of in vitro effects of daptomycin, tigecycline and teicoplanin combinations against MRSA, VISA and VRE strains**  
Coban A. Y., Deveci A., Acicbe O., Fisgin N. T., Ciftci A., DOKUZOGUZ B., Durupinar B.  
AFRICAN JOURNAL OF MICROBIOLOGY RESEARCH, vol.4, no.21, pp.2269-2274, 2010 (SCI-Expanded)

- LII. **The effect of tigecycline and ertapenem against clinical isolates of *Brucella melitensis* detected by E-test on different media**  
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INDIAN JOURNAL OF MEDICAL MICROBIOLOGY, vol.28, no.4, pp.370-371, 2010 (SCI-Expanded)
- LIII. **The Value of Neopterin and Procalcitonin in Patients with Sepsis**  
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SOUTHERN MEDICAL JOURNAL, vol.103, no.3, pp.216-219, 2010 (SCI-Expanded)
- 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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JOURNAL OF CHEMOTHERAPY, vol.21, no.5, pp.592-594, 2009 (SCI-Expanded)
- LVI. **INVESTIGATION OF ANTIBACTERIAL ACTIVITY OF SERTRALIN**  
Coban A. Y., Cayci Y. T., Uludag S. K., Durupinar B.  
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- LVII. **INVESTIGATION OF BIOFILM FORMATION AND RELATIONSHIP WITH GENOTYPE AND ANTIBIOTIC 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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FITOTERAPIA, vol.80, no.1, pp.48-50, 2009 (SCI-Expanded)
- LXI. **IN VITRO EFFECT OF REACTIVE NITROGEN AND OXYGEN INTERMEDIATES ALONE AND IN COMBINATION WITH SOME ANTIBIOTICS AGAINST *BRUCELLA MELITENSIS* CLINICAL ISOLATES**  
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- LXII. **Does exogenous nitric oxide influence tympanosclerosis? An experimental study**  
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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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- LXV. **Susceptibility testing of Mycobacterium tuberculosis isolates to primary antituberculous drugs on chocolate agar: A preliminary study**  
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- LXVI. **Effect of meropenem against multidrug-resistant Mycobacterium tuberculosis**  
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