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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAA-7246-2021

Yoksis Researcher ID: 111235

Education Information

Doctorate, Inonu University, Sağlık Bilimleri Enstitüsü, Tıbbi Mikrobiyoloji, Turkey 1998 - 2007

Postgraduate, Inonu University, Sağlık Bilimleri Enstitüsü, Tıbbi Mikrobiyoloji, Turkey 1995 - 1997

Undergraduate, Hacettepe University, Fen Fakültesi, Biyoloji, Turkey 1982 - 1987

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Türkiye'nin farklı coğrafik bölgelerinden toplanan mycobacterium tuberculosis izolatlarının IS6110 rflp (restriction fragment length polymorphism) ve spoligotip profillerinin belirlenmesi (, Inonu University, Tıp Fakültesi, Tıbbi Mikrobiyoloji, 2007

Postgraduate, Polimeraz zincir reaksiyonu (PZR) yöntemi kullanılarak mycobacterium tuberculosis suslarının tiplendirilmesi, Inonu University, Tıp Fakültesi, Tıbbi Mikrobiyoloji, 1997

Research Areas

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

Academic Titles / Tasks

Associate Professor, Inonu University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2018 - Continues

Assistant Professor, Inonu University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2018 - 2018

Assistant Professor, Inonu University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2010 - 2018

Academic and Administrative Experience

Fakülte Kurulu Üyesi, Inonu University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2019 - Continues
Fakülte Yönetim Kurulu Üyesi, Inonu University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2019 - Continues
Head of Department, Inonu University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2010 - Continues
Rektörlük Kalite Komisyonu Üyesi, Inonu University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2019 - 2022
Member of the Senate, Inonu University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2019 - 2022
Vice Dean, Inonu University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2018 - 2021
Vice Dean, Inonu University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2012 - 2013

Courses

Genel Mikrobiyoloji II, Doctorate, 2021 - 2022
Eczacılıkta Bilimsel Çalışma İlkeleri II, Undergraduate, 2020 - 2021
Genel Mikrobiyoloji I, Doctorate, 2021 - 2022
Aşılar, Undergraduate, 2021 - 2022
Eczacılıkta Bilimsel Çalışma İlkeleri I, Undergraduate, 2020 - 2021
Enfeksiyon Hastalıkları, Undergraduate, 2012 - 2013
Farmasötik Mikrobiyoloji Laboratuvarı, Undergraduate, 2012 - 2013, 2011 - 2012, 2010 - 2011
Araştırma Projesi, Undergraduate, 2012 - 2013, 2011 - 2012, 2010 - 2011
Farmasötik Mikrobiyoloji, Undergraduate, 2012 - 2013, 2011 - 2012, 2010 - 2011
İmmünoloji, Undergraduate, 2012 - 2013, 2011 - 2012, 2010 - 2011

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Silyl-functionalised silver rhodium and iridium N-heterocyclic carbene complexes with promising cytotoxicity and antimicrobial potential**
KARATAŞ M. O., Keskin T., ÖZDEMİR N., KÜÇÜKBAY H., TEKİN S., Mansur A., GÜNAL S., SANDAL S.
INORGANIC CHEMISTRY COMMUNICATIONS, vol.146, 2022 (SCI-Expanded)
- II. **Synthesis, spectroscopic characterization and antimicrobial properties of silyl-tethere d benzimidazolium salts**
YİĞİT M., ŞİRECİ N., Guenal S., Onderci M., ÖZDEMİR N., Arinc A., YİĞİT B., ÖZDEMİR İ.
JOURNAL OF MOLECULAR STRUCTURE, vol.1264, 2022 (SCI-Expanded)
- III. **Cyanopropyl functionalized benzimidazolium salts and their silver N-heterocyclic carbene complexes: Synthesis, antimicrobial activity, and theoretical analysis**
Turker D., ÜSTÜN E., GÜNAL S., Yildiz H., DEMİR DÜŞÜNCELİ S., ÖZDEMİR İ.
ARCHIV DER PHARMAZIE, vol.355, no.6, 2022 (SCI-Expanded)
- IV. **Synthesis of N-heterocyclic carbene-based silver complexes and their antimicrobial properties against bacteria and fungi**
KALOĞLU M., Kaloglu N., GÜNAL S., ÖZDEMİR İ.
JOURNAL OF COORDINATION CHEMISTRY, vol.74, no.17-20, pp.3031-3047, 2022 (SCI-Expanded)
- V. **The vaginal microbiota composition of women undergoing assisted reproduction: a prospective cohort study**
Karaer A., Doğan B., Günal S., Tuncay G., Arda Düz S., Ünver T., Tecellioğlu N.
BJOG-AN INTERNATIONAL JOURNAL OF OBSTETRICS AND GYNAECOLOGY, vol.128, no.13, pp.2101-2109, 2021 (SCI-Expanded)
- VI. **Water-soluble silver(I) complexes with N-donor benzimidazole ligands containing an imidazolium core: stability and preliminary biological studies**
KARATAŞ M. O., ÖZDEMİR N., Sariman M., GÜNAL S., ULUKAYA E., ÖZDEMİR İ.
DALTON TRANSACTIONS, vol.50, no.33, pp.11596-11603, 2021 (SCI-Expanded)
- VII. **PHENOLIC CONTENT AND BIOLOGICAL ACTIVITIES OF TRAMETES HIRSUTA**

AKGÜL H., Aslan A., AKATA I., GÜNAL S., BAL C., BABA H.

FRESENIUS ENVIRONMENTAL BULLETIN, vol.30, pp.4130-4135, 2021 (SCI-Expanded)

- VIII. **Employee Safety and Biosafety Applications in Microbiology Laboratories; A Multicenter Evaluation in Turkey**
Koroglu M., ALTINDIŞ S., Aydemir O., Yuksel B., Demiray T., ERKORKMAZ Ü., Aslan F. G., OTLU B., ALTINDIŞ M.
MIKROBIYOLOJİ BULTENİ, vol.54, no.3, pp.347-367, 2020 (SCI-Expanded)
- IX. **Synthesis, antimicrobial properties, and theoretical analysis of benzimidazole-2-ylidene silver(I) complexes**
DEMİR DÜŞÜNCELİ S., Ayaz D., ÜSTÜN E., GÜNAL S., ÖZDEMİR N., DİNÇER M., ÖZDEMİR İ.
JOURNAL OF COORDINATION CHEMISTRY, vol.73, no.13, pp.1967-1986, 2020 (SCI-Expanded)
- X. **Catechol-bearing imidazolium and benzimidazolium chlorides as promising antimicrobial agents**
Karatas M. O., GÜNAL S., Mansur A., ALICI B., ÖZDEMİR İ.
ARCHIV DER PHARMAZIE, vol.353, no.6, 2020 (SCI-Expanded)
- XI. **In vitro antimicrobial studies of naphthalen-1-ylmethyl substituted silver N-heterocyclic carbene complexes**
GÖK Y., Akkoc S., Celikal O. O., ÖZDEMİR İ., GÜNAL S.
ARABIAN JOURNAL OF CHEMISTRY, vol.12, no.8, pp.2513-2518, 2019 (SCI-Expanded)
- XII. **Synthesis and antimicrobial activity of bulky 3,5-di-tert-butyl substituent-containing silver-N-heterocyclic carbene complexes**
KALOĞLU N., ÖZDEMİR İ., GÜNAL S., ÖZDEMİR İ.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.31, no.11, 2017 (SCI-Expanded)
- XIII. **Silver-N-Heterocyclic Carbene Complexes: Synthesis, Characterization, and Antimicrobial Properties**
KALOĞLU N., KALOĞLU M., ÖZDEMİR İ., GÜNAL S., ÖZDEMİR İ.
JOURNAL OF THE CHINESE CHEMICAL SOCIETY, vol.64, no.4, pp.420-426, 2017 (SCI-Expanded)
- XIV. **Synthesis and antimicrobial properties of cycloheptyl substituted benzimidazolium salts and their silver(I) carbene complexes**
KARATAŞ M. O., GÜNAL S., MANSUR A., ALICI B., Cetinkaya E.
HETEROCYCLIC COMMUNICATIONS, vol.22, no.6, pp.357-361, 2016 (SCI-Expanded)
- XV. **Novel benzimidazol-2-ylidene carbene precursors and their silver(I) complexes: Potential antimicrobial agents**
KALOĞLU M., KALOĞLU N., ÖZDEMİR İ., GÜNAL S., ÖZDEMİR İ.
BIOORGANIC & MEDICINAL CHEMISTRY, vol.24, no.16, pp.3649-3656, 2016 (SCI-Expanded)
- XVI. **Synthesis, characterization and antimicrobial activities of novel silver(I) complexes with coumarin substituted N-heterocyclic carbene ligands**
KARATAŞ M. O., Olgundeniz B., GÜNAL S., ÖZDEMİR İ., ALICI B., Cetinkaya E.
BIOORGANIC & MEDICINAL CHEMISTRY, vol.24, no.4, pp.643-650, 2016 (SCI-Expanded)
- XVII. **Antioxidant and Antimicrobial Activities and Phenolic Compounds of Inula peacockiana and Inula thapsoides ssp thapsoides**
GÖKBULUT A., GÜNAL S., ŞARER E.
CHEMISTRY OF NATURAL COMPOUNDS, vol.52, no.1, pp.119-122, 2016 (SCI-Expanded)
- XVIII. **Benzimidazolium-based novel silver N-heterocyclic carbene complexes: synthesis, characterisation and in vitro antimicrobial activity**
SARI Y., Akkoc S., GÖK Y., Sifniotis V., ÖZDEMİR İ., GÜNAL S., Kayser V.
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.31, no.6, pp.1527-1530, 2016 (SCI-Expanded)
- XIX. **Comparison of keypads and touch-screen mobile phones/devices as potential risk for microbial contamination**
Koroglu M., GÜNAL S., YILDIZ F., SAVAS M., ÖZER A., Altindis M.
JOURNAL OF INFECTION IN DEVELOPING COUNTRIES, vol.9, no.12, pp.1308-1314, 2015 (SCI-Expanded)
- XX. **Synthesis, antioxidant and anti-microbial properties of two organoselenium compounds**
TALAS Z. S., GÖK Y., ÖZDEMİR İ., ATEŞ B., GÜNAL S., YILMAZ İ.

- PAKISTAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.28, no.2, pp.611-616, 2015 (SCI-Expanded)
- XXI. **Synthesis, Anticonvulsant and Antimicrobial Activities of Some New [1-(2-Naphthyl)-2-(pyrazol-1-yl)ethanone]oxime Ethers**
ÖZDEMİR Z., KARAKURT A., Calis U., GÜNAL S., Isik S., Sahin Z. S., DALKARA S.
MEDICINAL CHEMISTRY, vol.11, no.1, pp.41-49, 2015 (SCI-Expanded)
- XXII. **Phenolic Compounds and Antimicrobial Activity of Inula sarana Boiss**
Ozhan O., Gokbulut A., GÜNAL S., Sarer E.
PLANTA MEDICA, vol.79, no.13, pp.1224, 2013 (SCI-Expanded)
- XXIII. **Antioxidant and Antimicrobial Activities, and Phenolic Compounds of Selected Inula species from Turkey**
GÖKBULUT A., Ozhan O., SATILMIŞ B., BATÇIOĞLU K., GÜNAL S., ŞARER E.
NATURAL PRODUCT COMMUNICATIONS, vol.8, no.4, pp.475-478, 2013 (SCI-Expanded)
- XXIV. **Antioxidant and antimicrobial activities and phenolic compounds of selected Inula species from Turkey**
GÖKBULUT A., ÖZHAN O., SATILMIŞ B., BATÇIOĞLU K., GÜNAL S., ŞARER E.
NATURAL PRODUCT COMMUNICATIONS, vol.8, no.4, pp.475-478, 2013 (SCI-Expanded)
- XXV. **Synthesis and antimicrobial activity of novel gold(I) N-heterocyclic carbene complexes**
DOĞAN O., KALOĞLU N., DEMİR S., ÖZDEMİR İ., GÜNAL S., ÖZDEMİR İ.
MONATSHEFTE FÜR CHEMIE, vol.144, no.3, pp.313-319, 2013 (SCI-Expanded)
- XXVI. **N-functionalized benzimidazol-2-ylidene silver complexes: synthesis, characterization, and antimicrobial studies**
GÖK Y., Akkoc S., OZEROĞLU CELİKAL O., ÖZDEMİR İ., GÜNAL S., SAYIN E.
TURKISH JOURNAL OF CHEMISTRY, vol.37, no.6, pp.1007-1013, 2013 (SCI-Expanded)
- XXVII. **Investigation of in vivo radioprotective and in vitro antioxidant and antimicrobial activity of garlic (Allium Sativum)**
BATÇIOĞLU K., YILMAZ Z., SATILMIŞ B., UYUMLU A. B., ERKAL H. S., YÜCEL N., GÜNAL S., SERİN M., DEMİRTAS H.
EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES, vol.16, pp.47-57, 2012 (SCI-Expanded)
- XXVIII. **Novel benzimidazolium salts and their silver complexes: Synthesis and antibacterial properties**
GÜNAL S., KALOĞLU N., ÖZDEMİR İ., DEMİR S., ÖZDEMİR İ.
INORGANIC CHEMISTRY COMMUNICATIONS, vol.21, pp.142-146, 2012 (SCI-Expanded)
- XXIX. **Isolation and Identification of Mycobacterium bovis and Non-tuberculous Mycobacteria in Raw Milk Samples in Mersin Province**
Aydin F. E., ÜLGER M., EMEKDAŞ G., ASLAN G., GÜNAL S.
MIKROBİYOLOJİ BULTENİ, vol.46, no.2, pp.283-289, 2012 (SCI-Expanded)
- XXX. **Novel 1,2,4-Triazolo[3,4-b]-1,3,4-thiadiazole Derivatives as Dual Analgesic/Anti-inflammatory and Antimicrobial Agents**
TOZKOPARAN KÖPRÜCÜ B., Aytac S. P., GURSOY S., GÜNAL S., AKTAY G.
LETTERS IN DRUG DESIGN & DISCOVERY, vol.9, no.2, pp.204-212, 2012 (SCI-Expanded)
- XXXI. **Distribution of Spoligotyping Defined Genotypic Lineages among Drug-Resistant Mycobacterium tuberculosis Complex Clinical Isolates in Ankara, Turkey**
Kisa O., Tarhan G., GÜNAL S., Albay A., Durmaz R., SARIBAŞ Z., Zozio T., ALP A., Ceyhan I., Tombak A., et al.
PLOS ONE, vol.7, no.1, 2012 (SCI-Expanded)
- XXXII. **Molecular Diversity of Drug Resistant Mycobacterium Tuberculosis Strains in Western Turkey**
SÜRÜCÜOĞLU S., GÜNAL S., ÖZKÜTÜK N., Bicmen C., Ozsoz A., GAZI H., Durmaz R.
BALKAN MEDICAL JOURNAL, vol.29, no.2, pp.160-165, 2012 (SCI-Expanded)
- XXXIII. **Synthesis and antimicrobial studies of 1-methyl-2-dimethylaminoethyl-substituted benzimidazolium salts and N-heterocyclic carbene-silver complexes**
Yigit B., GÖK Y., ÖZDEMİR İ., GÜNAL S.
JOURNAL OF COORDINATION CHEMISTRY, vol.65, no.3, pp.371-379, 2012 (SCI-Expanded)
- XXXIV. **CHEMICAL COMPOSITION AND ANTIMICROBIAL ACTIVITIES OF THE ESSENTIAL OILS OF Teucrium orientale var. orientale AND Teucrium orientale var. puberulens**

- KÜÇÜKBAY F., Yildiz B., KUYUMCU E., GÜNAL S.
CHEMISTRY OF NATURAL COMPOUNDS, vol.47, no.5, pp.833-836, 2011 (SCI-Expanded)
- XXXV. **Synthesis, microwave-promoted catalytic activity in Suzuki-Miyaura cross-coupling reactions and antimicrobial properties of novel benzimidazole salts bearing trimethylsilyl group**
Yilmaz U., KÜÇÜKBAY H., Sireci N., AKKURT M., GÜNAL S., DURMAZ R., TAHIR M. N.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.25, no.5, pp.366-373, 2011 (SCI-Expanded)
- XXXVI. **COMPOSITION AND ANTIMICROBIAL ACTIVITY OF THE ESSENTIAL OIL OF *Achillea formosa* subsp *amanica***
KÜÇÜKBAY F., KUYUMCU E., GÜNAL S., ARABACI T.
CHEMISTRY OF NATURAL COMPOUNDS, vol.47, no.2, pp.300-302, 2011 (SCI-Expanded)
- XXXVII. **Evaluation of Antimicrobial Activities of Topical Anesthetics**
Orman G., ÇANKAYA C., Doganay S., GÜNAL S., OTLU B.
TURKIYE KLINIKLERI TIP BILIMLERI DERGISI, vol.31, no.2, pp.386-389, 2011 (SCI-Expanded)
- XXXVIII. **Demographic and microbial characteristics of extrapulmonary tuberculosis cases diagnosed in Malatya, Turkey, 2001-2007**
GÜNAL S., Yang Z., Agarwal M., Koroglu M., Arici Z. K., Durmaz R.
BMC PUBLIC HEALTH, vol.11, 2011 (SCI-Expanded)
- XXXIX. **Synthesis, characterization and antimicrobial activity of new silver complexes with N-heterocyclic carbene ligands**
ÖZDEMİR İ., DEMİR S., GÜNAL S., ÖZDEMİR İ., Arici C., Ulku D.
INORGANICA CHIMICA ACTA, vol.363, no.14, pp.3803-3808, 2010 (SCI-Expanded)
- XL. **Synthesis and antimicrobial activity of Ag(I)-N-heterocyclic carbene complexes derived from benzimidazol-2-ylidene**
ÖZDEMİR İ., GÜRBÜZ N., DOĞAN O., GÜNAL S., ÖZDEMİR İ.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.24, no.11, pp.758-762, 2010 (SCI-Expanded)
- XLII. **Synthesis and Antimicrobial Activities of Some Transition Metal Benzimidazole Complexes**
KÜÇÜKBAY H., GÜNAL S., Orhan E., Durmaz R.
ASIAN JOURNAL OF CHEMISTRY, vol.22, no.9, pp.7376-7382, 2010 (SCI-Expanded)
- XLIII. **Integration of Mycobacterium tuberculosis Drug Susceptibility Testing and Genotyping with Epidemiological Data Analysis To Gain Insight into the Epidemiology of Drug-Resistant Tuberculosis in Malatya, Turkey**
Agarwal M., GÜNAL S., Durmaz R., Yang Z.
JOURNAL OF CLINICAL MICROBIOLOGY, vol.48, no.9, pp.3301-3305, 2010 (SCI-Expanded)
- XLIV. **Synthesis, Antibacterial and Antifungal Activities of New Bis-5(6)-nitrobenzimidazoles**
KÜÇÜKBAY H., Durmaz R., Sireci N., GÜNAL S.
ASIAN JOURNAL OF CHEMISTRY, vol.22, no.4, pp.2816-2824, 2010 (SCI-Expanded)
- XLV. **Synthesis and Antimicrobial Activity of Novel Ag-N-Heterocyclic Carbene Complexes**
ÖZDEMİR İ., Özcan E. Ö., GÜNAL S., GÜRBÜZ N.
MOLECULES, vol.15, no.4, pp.2499-2508, 2010 (SCI-Expanded)
- XLVI. **A CASE OF FATAL DISSEMINATED INFECTION CAUSED BY MYCOBACTERIUM BOVIS BCG STRAIN AND THE IDENTIFICATION OF THE ISOLATE BY SPOLIGOTYPING**
ASLAN G., KUYUCU N., Aydın E., GÜNAL S., EMEKDAŞ G.
MIKROBİYOLOJİ BULTENİ, vol.44, no.2, pp.297-302, 2010 (SCI-Expanded)
- XLVII. **Gold(I) Complexes of N-Heterocyclic Carbene Ligands Containing Benzimidazole: Synthesis and Antimicrobial Activity**
ÖZDEMİR İ., TEMELİ N., GÜNAL S., DEMİR S.
MOLECULES, vol.15, no.4, pp.2203-2210, 2010 (SCI-Expanded)
- XLVIII. **Beijing/w and major spoligotype families of Mycobacterium tuberculosis strains isolated from tuberculosis patients in Eastern Turkey**
OTLU B., DURMAZ R., GÜNAL S., SOLA C., ZOZIO T., RASTOGI N.
NEW MICROBIOLOGICA, vol.32, no.3, pp.255-263, 2009 (SCI-Expanded)

- XLVIII. Synthesis of Some Benzimidazole Derivatives and Their Antibacterial and Antifungal Activities**
KÜÇÜKBAY H., DURMAZ R., ŞİRECİ N., GÜNAL S.
Asian Journal of Chemistry, vol.21, no.8, pp.6181-6189, 2009 (SCI-Expanded)
- XLIX. Population-based molecular epidemiological study of tuberculosis in Malatya, Turkey**
Durmaz R., Zozio T., GÜNAL S., Allix C., Fauville-Dufaux M., Rastogi N.
JOURNAL OF CLINICAL MICROBIOLOGY, vol.45, no.12, pp.4027-4035, 2007 (SCI-Expanded)
- L. Genetic diversity and major spoligotype families of drug-resistant Mycobacterium tuberculosis clinical isolates from different regions of Turkey**
Durmaz R., Zozio T., Gunal S., Yaman A., Cavusoglu C., Guney C., Sola C., Rastogi N.
INFECTION GENETICS AND EVOLUTION, vol.7, no.4, pp.513-519, 2007 (SCI-Expanded)
- LI. The level of endothelin-1 and nitric oxide in patients with chronic viral hepatitis B and C and correlation with histopathological grading and staging**
Ersoy Y., Bayraktar N., Mizrak B., Ozerol I., Gunal S., Aladag M., Bayindir Y.
HEPATOLOGY RESEARCH, vol.34, no.2, pp.111-116, 2006 (SCI-Expanded)
- LII. Simultaneous detection of isoniazid, rifampin, and ethambutol resistance of Mycobacterium tuberculosis by a single multiplex allele-specific polymerase chain reaction (PCR) assay**
Yang Z., Durmaz R., Yang D., Gunal S., Zhang L., Foxman B., Sanic A., Marrs C.
DIAGNOSTIC MICROBIOLOGY AND INFECTIOUS DISEASE, vol.53, no.3, pp.201-208, 2005 (SCI-Expanded)
- LIII. Genotyping of Mycobacterium tuberculosis clinical isolates in two cities of Turkey: Description of a new family of genotypes that is phylogeographically specific for Asia Minor**
Zozio T., Allix C., Gunal S., Saribas Z., Alp A., Durmaz R., Fauville-Dufaux M., Rastogi N., Sola C.
BMC MICROBIOLOGY, vol.5, 2005 (SCI-Expanded)
- LIV. Genotyping of rifampin-resistant Mycobacterium tuberculosis isolates from western Turkey**
Cavusoglu C., Durmaz R., Bilgic A., Gunal S.
ANNALS OF SAUDI MEDICINE, vol.24, no.2, pp.102-105, 2004 (SCI-Expanded)
- LV. Synthesis and antibacterial activities of new bis-benzimidazoles**
KÜÇÜKBAY H., Durmaz R., Okuyucu N., Gunal S., Kazaz C.
ARZNEIMITTEL-FORSCHUNG-DRUG RESEARCH, vol.54, no.1, pp.64-68, 2004 (SCI-Expanded)
- LVI. Primary drug resistance and molecular epidemiology of Mycobacterium tuberculosis isolates from patients in a population with high tuberculosis incidence in Turkey**
Durmaz R., Ozerol I., Durmaz B., Gunal S., Senoglu A., Evliyaoglu E.
MICROBIAL DRUG RESISTANCE, vol.9, no.4, pp.361-366, 2003 (SCI-Expanded)
- LVII. Molecular epidemiology of tuberculosis in Turkey**
Durmaz R., Gunal S., Yang Z., Ozerol I., Cave M.
CLINICAL MICROBIOLOGY AND INFECTION, vol.9, no.8, pp.873-877, 2003 (SCI-Expanded)
- LVIII. Synthesis, antibacterial and antifungal activities of electron-rich olefins derived benzimidazole compounds**
KÜÇÜKBAY H., Durmaz R., Orhan E., GÜNAL S.
Farmaco, vol.58, no.6, pp.431-437, 2003 (SCI-Expanded)
- LIX. Antifungal activity of some bis-5-methylbenzimidazole compounds**
KÜÇÜKBAY H., Durmaz R., Okyucu N., Gunal S.
FOLIA MICROBIOLOGICA, vol.48, no.5, pp.679-681, 2003 (SCI-Expanded)
- LX. Antifungal activity of rhodium, iridium, and ruthenium tripodal phosphine complexes**
Sulu M., KUCUKBAY H., DURMAZ R., GUNAL S.
MICROBIOLOGICA, vol.23, no.1, pp.73-78, 2000 (SCI-Expanded)
- LXI. Antibacterial and antifungal activities of complexes of ruthenium (II)**
CETINKAYA B., Ozdemir I., BINBASIOGLU B., DURMAZ R., GUNAL S.
ARZNEIMITTEL-FORSCHUNG-DRUG RESEARCH, vol.49, no.6, pp.538-540, 1999 (SCI-Expanded)
- LXII. New derivatives of benzimidazole and their antimicrobial activity**
CETINKAYA E., Alici B., Gok Y., DURMAZ R., Gunal S.
JOURNAL OF CHEMOTHERAPY, vol.11, no.2, pp.83-89, 1999 (SCI-Expanded)

- LXIII. **Synthesis of some heterocyclic phosphonates and their antibacterial and antifungal activities**
 METE A., SENER S., Kucukbay H., GÜNAL S., DURMAZ R.
 INDIAN JOURNAL OF CHEMISTRY SECTION B-ORGANIC CHEMISTRY INCLUDING MEDICINAL CHEMISTRY, vol.38,
 no.2, pp.197-200, 1999 (SCI-Expanded)
- LXIV. **Antibacterial activity of rhodium, iridium, and ruthenium tripodal phosphine complexes**
 Sulu M., KUCUKBAY H., DURMAZ R., GUNAL S.
 ARZNEIMITTEL-FORSCHUNG-DRUG RESEARCH, vol.48, no.3, pp.291-293, 1998 (SCI-Expanded)
- LXV. **Sensitivity of two-stage PCR amplification for detection of Mycobacterium tuberculosis in paraffin-embedded tissues**
 Durmaz R., Aydin A., Durmaz B., Aydin N., Akbasak B., Gunal S.
 JOURNAL OF MICROBIOLOGICAL METHODS, vol.29, no.2, pp.69-75, 1997 (SCI-Expanded)

Articles Published in Other Journals

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