

Prof. SELAMİ GÜNAL

Personal Information

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International Researcher IDs

ScholarID: Jef8gLEAAAAJ

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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

Eczacılıkta Bilimsel Çalışma İlkeleri, Undergraduate, 2022-2023
Genel Mikrobiyoloji II, Doctorate, 2021 - 2022
İmmünoloji, Undergraduate, 2022-2023
Aşılar, Undergraduate, 2022-2023
Farmasötik Mikrobiyoloji, Undergraduate, 2021-2022
Eczacılıkta Bilimsel Çalışma İlkeleri, Undergraduate, 2021-2022
Eczacılıkta Bilimsel Çalışma İlkeleri II, Undergraduate, 2020 - 2021
Farmasötik Mikrobiyoloji Laboratuvarı, Undergraduate, 2021-2022
Temel Mikrobiyoloji I, Undergraduate Minor, 2021-2022
Genel Mikrobiyoloji I, Doctorate, 2021 - 2022
İmmünoloji, Undergraduate, 2021-2022
Temel Mikrobiyoloji II, Undergraduate Minor, 2021-2022
Aşılar, Undergraduate, 2021 - 2022
Farmasötik Mikrobiyoloji, Undergraduate, 2020-2021
İmmünoloji, Undergraduate, 2020-2021
Eczacılıkta Bilimsel Çalışma İlkeleri, Undergraduate, 2020-2021
Mikrobiyoloji II, Undergraduate Minor, 2020-2021
Temel Mikrobiyoloji II, Undergraduate Minor, 2020-2021
Mikrobiyoloji I, Undergraduate Minor, 2020-2021
Temel Mikrobiyoloji I, Undergraduate Minor, 2020-2021
Farmasötik Mikrobiyoloji Laboratuvarı, Undergraduate, 2020-2021
Eczacılıkta Bilimsel Çalışma İlkeleri I, Undergraduate, 2020 - 2021
Eczacılıkta Bilimsel Çalışma İlkeleri, Undergraduate, 2019-2020
İmmünoloji, Undergraduate, 2019-2020
Farmasötik Mikrobiyoloji, Undergraduate, 2019-2020
Farmasötik Mikrobiyoloji Laboratuvarı, Undergraduate, 2019-2020
Mikrobiyoloji II, Undergraduate Minor, 2019-2020
Mikrobiyoloji I, Undergraduate Minor, 2019-2020
İMMÜNOLOJİ, Undergraduate, 2018-2019
AŞILAR, Undergraduate, 2018-2019
ECZACILIKTA BİLİMSSEL ÇALIŞMA İLKELERİ I, Undergraduate, 2018-2019
TEMEL MİKROBİYOLOJİ II, Undergraduate Minor, 2018-2019
Temel Mikrobiyoloji I, Undergraduate Minor, 2017-2018
İMMÜNOLOJİ, Undergraduate Minor, 2017-2018
Temel Mikrobiyoloji II, Undergraduate Minor, 2017-2018
Kan ile Bulaşan Viral Hastalıklar, Undergraduate, 2017-2018
FARMASÖTİK MİKROBİYOLOJİ LAB, Undergraduate, 2017-2018
FARMASÖTİK MİKROBİYOLOJİ, Undergraduate, 2017-2018
Eczacılıkta Bilimsel Çalışma İlkeleri I, Undergraduate, 2017-2018

ENFEKSİYON HASTALIKLARI, Undergraduate, 2017-2018
Temel Mikrobiyoloji I, Undergraduate Minor, 2016-2017
Temel Mikrobiyoloji II, Undergraduate Minor, 2016-2017
Araştırma Projesi, Undergraduate, 2016-2017
Sterilizasyon ve Dezenfeksiyon, Undergraduate Minor, 2016-2017
İmmünoloji, Undergraduate, 2016-2017
Farmasötik Mikrobiyoloji Lab, Undergraduate, 2016-2017
Farmasötik Mikrobiyoloji, Undergraduate, 2016-2017
İmmünoloji, Undergraduate Minor, 2016-2017
Aşılar, Undergraduate Minor, 2016-2017
Enfeksiyon Hastalıkları, Undergraduate Minor, 2016-2017
Temel Mikrobiyoloji, Associate Degree, 2016-2017
Temel Mikrobiyoloji II, Undergraduate Minor, 2015-2016
İmmünoloji, Undergraduate, 2015-2016
Farmasötik Mikrobiyoloji, Undergraduate, 2015-2016
Farmasötik Mikrobiyoloji Lab, Undergraduate, 2015-2016
Temel Mikrobiyoloji I, Undergraduate Minor, 2015-2016
İmmünoloji, Undergraduate Minor, 2015-2016
Temel Mikrobiyoloji, Associate Degree, 2015-2016
Aşılar, Undergraduate, 2015-2016
Enfeksiyon Hastalıkları, Undergraduate, 2015-2016
Moleküler Mikrobiyolojik Yöntemler, Undergraduate Minor, 2015-2016
Aşılar, Undergraduate, 2014-2015
Farmasötik Mikrobiyoloji, Undergraduate, 2014-2015
Araştırma Projesi, Undergraduate, 2014-2015
Temel Mikrobiyoloji, Associate Degree, 2014-2015
Enfeksiyon Hastalıkları, Undergraduate, 2014-2015
İmmünoloji, Undergraduate, 2014-2015
Farmasötik Mikrobiyoloji Lab, Undergraduate, 2014-2015
Enfeksiyon Hastalıkları, Undergraduate, 2012 - 2013
Aşılar, Undergraduate, 2013-2014
Farmasötik Mikrobiyoloji Laboratuvarı, Undergraduate, 2012 - 2013, 2011 - 2012, 2010 - 2011
İmmünoloji, Undergraduate, 2013-2014
Araştırma Projesi, Undergraduate, 2012 - 2013, 2011 - 2012, 2010 - 2011
Farmasötik Mikrobiyoloji, Undergraduate, 2013-2014
Enfeksiyon Hastalıkları, Undergraduate, 2013-2014
Temel Mikrobiyoloji, Associate Degree, 2013-2014
Farmasötik Mikrobiyoloji, Undergraduate, 2012 - 2013, 2011 - 2012, 2010 - 2011
Farmasötik Mikrobiyoloji Lab, Undergraduate, 2013-2014
Araştırma Projesi, Undergraduate, 2013-2014
Farmasötik Mikrobiyoloji Lab, Undergraduate, 2012-2013
İmmünoloji, Undergraduate, 2012 - 2013, 2011 - 2012, 2010 - 2011
Farmasötik Mikrobiyoloji, Undergraduate, 2012-2013
Aşılar, Undergraduate, 2012-2013
Araştırma Projesi, Undergraduate, 2012-2013
Temel Mikrobiyoloji, Associate Degree, 2012-2013
Enfeksiyon Hastalıkları, Undergraduate, 2012-2013
İmmünoloji, Undergraduate, 2012-2013
Farmasötik Mikrobiyoloji, Undergraduate, 2011-2012
Araştırma Projesi, Undergraduate, 2011-2012
İmmünoloji, Undergraduate, 2011-2012

Farmasötik Mikrobiyoloji Lab, Undergraduate, 2011-2012
İmmünoloji, Undergraduate, 2010-2011
Araştırma Projesi, Undergraduate, 2010-2011
Farmasötik Mikrobiyoloji, Undergraduate, 2010-2011
Farmasötik Mikrobiyoloji Lab, Undergraduate, 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-tethered 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 BÜLTENİ, 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**
KALOGLU 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**
KALOGLU 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., KALOGLU 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.
MONATSHFTE 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**
Aydın F. E., ÜLGER M., EMEKDAŞ G., ASLAN G., GÜNAL S.
MIKROBİYOLOJİ BÜLTENİ, 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., GAZİ 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., Yıldız 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**
Yılmaz U., KÜÇÜKBAY H., Sireci N., AKKURT M., GÜNAL S., DURMAZ R., TAHİR 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.
TÜRKİYE KLİNİKLERİ TIP BİLİMLERİ DERGİSİ, 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)
- XLI. **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)
- XLII. **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)
- XLIII. **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)
- XLIV. **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)
- XLV. **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 BÜLTENİ, vol.44, no.2, pp.297-302, 2010 (SCI-Expanded)
- XLVI. **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)
- XLVII. **Beijing/w and major spoligotype families of Mycobacterium tuberculosis strains isolated from tuberculosis patients in Eastern Turkey**
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Güenal S., Project Supported by Higher Education Institutions, Kronik Hepatit B hastalarında antiviral tedavi etkinliğinin HBV RNA ile değerlendirilmesi, 2019 - 2022

GÜNAL S., ERDOĞAN E., Project Supported by Higher Education Institutions, Kronik hastalıklarda kullanılan ilaçlar ile antibiyotiklerin invitro etkileşimleri, 2018 - 2020

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Metrics

Publication: 144

Citation (WoS): 1089

Citation (Scopus): 974

H-Index (WoS): 19

H-Index (Scopus): 20

Non Academic Experience

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