

Prof. FATMA BUDAK

Personal Information

Office Phone: [+90 262 303 7542](tel:+902623037542)

Fax Phone: [+90 262 303 7003](tel:+902623037003)

Email: fatma.budak@kocaeli.edu.tr

Other Email: fatmabudak2@gmail.com

Web: <https://avesis.kocaeli.edu.tr/fatma.budak>

International Researcher IDs

ORCID: 0000-0001-8439-3881

Publons / Web Of Science ResearcherID: G-2349-2018

Yoksis Researcher ID: 155955

Education Information

Doctorate, Kocaeli University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, Turkey 1994 - 2001

Undergraduate, Ege University, Faculty Of Medicine, Turkey 1981 - 1987

Foreign Languages

English, C2 Mastery

Dissertations

Doctorate, salmonella'xxlarda antibiyotiklere direnç ve beta laktamaz enzimlerinin tiplendirilmesi, Kocaeli University, Tıp Fakültesi, 2001

Research Areas

Bacteriology, Health Sciences

Academic Titles / Tasks

Professor, Kocaeli University, Tıp Fakültesi, Temel Tıp Bilimleri, 2014 - Continues

Courses

oral mikrobiyoloji , Undergraduate, 2016 - 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Investigation of the Antibacterial Effect of Taraxacum officinale Extracts Extracted in Different Solvents on Bacteroides fragilis ATCC 25285 Standard Strain by Broth Microdilution Method** Farklı Çözücülerde Ekstrakte Edilen Taraxacum officinale Ekstraktlarının Bacteroides fragilis ATCC 25285 Standart Suşu Üzerindeki Antibakteriyel Etkisinin Sıvı Mikrodilüsyon Yöntemiyle Araştırılması
ALTAN G., BUDAK F.
Mikrobiyoloji bulteni, vol.58, no.1, pp.63-70, 2024 (SCI-Expanded)
- II. **In vitro antifungal activity of heterocyclic organoboron compounds against Trichophyton mentagrophytes and Microsporum canis obtained from clinical isolates**
Pir M., Budak F., Metiner K.
BRAZILIAN JOURNAL OF MICROBIOLOGY, vol.53, no.3, pp.1297-1303, 2022 (SCI-Expanded)
- III. **Preparation, characterization, and antibacterial activity of organo-sepiolite/chitosan/silver bionanocomposites**
TEKİN N., ŞAFAKLI A., BUDAK F., Kara A.
JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY, vol.56, no.5, pp.403-410, 2019 (SCI-Expanded)
- IV. **Synthesis, characterization, antimicrobial activity, and QSAR studies of some new 6-substituted phenyl 3-(4-chlorophenyl)-3a,4,8,8a-tetrahydro-[1,3,2]dioxaborepino [5,6-d]isoxazoles**
Pir M., Ağırbaş H., Budak F., Sahin O.
HETEROATOM CHEMISTRY, vol.28, 2017 (SCI-Expanded)
- V. **Synthesis, characterization, antimicrobial activity, and QSAR studies on substituted oxadiazaboroles**
Pir M., Ağırbaş H., Budak F., İltter M.
MEDICINAL CHEMISTRY RESEARCH, vol.25, pp.1794-1812, 2016 (SCI-Expanded)
- VI. **Integron-associated resistance genes among multidrug-resistant Pseudomonas aeruginosa isolated from clinical specimens**
Budak F., Kasap M., Kolaylı F., Karadenizli A., Vahaboglu M. H.
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.42, pp.149-156, 2012 (SCI-Expanded)
- VII. **Synthesis and structure-antibacterial activity relationship studies of 4-substituted phenyl-4,5-dihydrobenzo[f][1,4]oxazepin-3(2H)-thiones**
Agirbas H., Kemal B., BUDAK F.
MEDICINAL CHEMISTRY RESEARCH, vol.20, no.8, pp.1170-1180, 2011 (SCI-Expanded)
- VIII. **Detection of Resistivity for Antibiotics by Probabilistic Neural Networks**
BUDAK F., Ubeyli E. D.
JOURNAL OF MEDICAL SYSTEMS, vol.35, no.1, pp.87-91, 2011 (SCI-Expanded)
- IX. **Characterization of ESBL (SHV-12) producing clinical isolate of Enterobacter aerogenes from a tertiary care hospital in Nigeria**
KASAP M., Fashae K., Torol S., KOLAYLI F., BUDAK F., Vahaboglu H.
ANNALS OF CLINICAL MICROBIOLOGY AND ANTIMICROBIALS, vol.9, 2010 (SCI-Expanded)
- X. **Characterization of extended-spectrum beta-lactamase-producing Salmonella isolates in a children's hospital in Ankara- first report of SHV-2a and SHV-9 in Salmonella spp. from Turkey**
BUDAK F., Nordmann P., Girlich D., Guer D.
TURKISH JOURNAL OF PEDIATRICS, vol.51, no.1, pp.28-34, 2009 (SCI-Expanded)
- XI. **Emergence and spread of carbapenem-resistant Acinetobacter baumannii in a tertiary care hospital in Turkey**
Meric M., KASAP M., GACAR G., BUDAK F., DÜNDAR D., KOLAYLI F., EROGLU C., VAHABOĞLU M. H.
FEMS MICROBIOLOGY LETTERS, vol.282, no.2, pp.214-218, 2008 (SCI-Expanded)
- XII. **Synthesis and structure-antibacterial activity relationship investigation of isomeric 2,3,5-substituted perhydropyrrolo[3,4-d]isoxazole-4,6-diones**
Agirbas H., Guner S., Budak F., Keceli S., Kandemirli F., Shvets N., Kovalishyn V., Dimoglo A.
BIOORGANIC & MEDICINAL CHEMISTRY, vol.15, no.6, pp.2322-2333, 2007 (SCI-Expanded)
- XIII. **The investigation of Chlamydomonas pneumoniae in patients with Multiple sclerosis**
Budak F., KECELI S. A., Efendi H., BUDAK F., VAHABOGLU H.

- INTERNATIONAL JOURNAL OF NEUROSCIENCE, no.3, pp.409-415, 2007 (SCI-Expanded)
- XIV. **Evaluation of disseminated candidiasis on an experimental animal model: A Fourier transform infrared study**
Dogan A., Ergen K., Budak F., Severcan F.
APPLIED SPECTROSCOPY, vol.61, no.2, pp.199-203, 2007 (SCI-Expanded)
- XV. **Ethidium bromide spot test is a simple yet highly accurate method in determining DNA concentration**
Kasap M., Torol S., Gacar G., Budak F.
Turkish Journal of Medical Sciences, vol.36, no.6, pp.383-386, 2006 (SCI-Expanded)
- XVI. **Evaluation of a chromogenic medium for rapid detection of extended spectrum beta-lactamase producing Salmonella spp.**
Kocagoz S., Budak F., Gur D.
INDIAN JOURNAL OF MEDICAL RESEARCH, vol.124, no.4, pp.443-446, 2006 (SCI-Expanded)
- XVII. **High prevalence of OXA-51-type class D beta-lactamases among ceftazidime-resistant clinical isolates of Acinetobacter spp.: co-existence with OXA-58 in multiple centres**
Vahaboğlu M. H., Budak F., Kasap M., Gacar G., Torol S., Karadenizli A., Kolayli F., Eroglu C.
JOURNAL OF ANTIMICROBIAL CHEMOTHERAPY, vol.58, pp.537-542, 2006 (SCI-Expanded)
- XVIII. **Prevalence, susceptibility profile and proteinase production of yeasts causing vulvovaginitis in Turkish women**
Ozcan S., Budak F., Yucesoy G., Susever S., Willke A.
APMIS, vol.114, no.2, pp.139-145, 2006 (SCI-Expanded)
- XIX. **Efficacies of caspofungin and a combination of caspofungin and meropenem in the treatment of murine disseminated candidiasis**
WILLKE A., FİLİZ S., BUDAK F., COŞTUR P., DALÇIK H., KEÇELİ S. A.
Apmis, pp.829-36, 2006 (SCI-Expanded)
- XX. **Effect of carbapenems on the transcriptional expression of the oprD, oprM and oprN genes in Pseudomonas aeruginosa**
Kolayli F., Karadenizli A., Savli H., Ergen K., Hatirnaz O., Balikci E., Budak F., Vahaboglu H.
JOURNAL OF MEDICAL MICROBIOLOGY, vol.53, no.9, pp.915-920, 2004 (SCI-Expanded)

Articles Published in Other Journals

- I. **Investigation of Virulence Factors and Antibiotic Resistance of Pseudomonas aeruginosa Isolated from A Range of Clinical Samples**
Özkan B., BUDAK F.
Kocaeli Üniversitesi Sağlık Bilimleri Dergisi, vol.9, no.2, pp.137-143, 2023 (Peer-Reviewed Journal)
- II. **(3-(4-chlorophenyl)-4,5-dihydroisoxazole-4,5-diyl)dimethanol Compound: Antibacterial Activity, Antifungal Activity and Calculated Structural Parameters**
Pir M., Budak F.
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.10, no.2, pp.815-822, 2022 (Peer-Reviewed Journal)
- III. **Hetero Halkalı Bileşiklerin Antibakteriyel Aktivitelerinin Değerlendirilmesi**
Pir M., Budak F.
Türk Mikrobiyoloji Cemiyeti Dergisi, vol.49, no.4, pp.186-190, 2019 (Peer-Reviewed Journal)
- IV. **Prevalence and Genotypic Characteristics of β lactamase Negative Ampicillin Resistant BLNAR Haemophilus Influenzae in a Children s Hospital in Turkey**
BUDAK F., ocak z., GÜR D.
Türkiye Klinikleri Tıp Bilimleri Dergisi, vol.36, no.2, pp.86-91, 2016 (Scopus)
- V. **integron associated resistance genes among multidrug-resistant Pseudomonas aeruginosa isolated from clinical specimens**
BUDAK F., KASAP M., KOLAYLI F., GÜNER S., KARADENİZLİ A., VAHABOĞLU M. H.
Turk Med Sci, 2012 (Peer-Reviewed Journal)

- VI. **Febril nötropenili hastalarda Kandidaya özgül Taq-Man PZR ın invazif fungal infeksiyon tanısındaki değeri**
BUDAK F., KEÇELİ S. A., MUTLU B., VAHABOĞLU M. H.
ANKEM Dergisi, vol.21, no.1, pp.14-18, 2007 (Peer-Reviewed Journal)
- VII. **Evaluation of disseminated candidiasis by FTIR Spectroscopy**
ERGEN K., DOĞAN A., BUDAK F., KEÇELİ S. A., Severcan F.
WSEAS Transactions on Biology and Biomedicine, vol.3, no.2, pp.269-273, 2005 (Peer-Reviewed Journal)
- VIII. **Candida türlerinde esteraz aktivitesi**
KEÇELİ S. A., BUDAK F.
Mikrobiyoloji Bulteni, vol.38, pp.99-103, 2004 (Scopus)
- IX. **[Esterase activities of Candida species].**
Keçeli S. A., Budak F.
Mikrobiyoloji bulteni, vol.38, no.1-2, pp.99-103, 2004 (Scopus)
- X. **Candida türlerinin bazı antifungallere duyarlılıklarının ve fosfolipaz aktivitelerinin araştırılması**
KEÇELİ S. A., BUDAK F., SÖNMEZ TAMER Z. G., Willke A.
İnfeksiyon dergisi, vol.17, no.3, pp.321-324, 2003 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Farklı Çözücülerde Ekstrakte Edilen Taraxacum officinale (Karahindiba) Ekstraktlarının Bacteroides fragilis ATCC 25285 Standart Suşu Üzerindeki Antibakteriyel Etkisinin Sıvı Mikrodilüsyon Yöntemiyle Araştırılması**
Altan G., Budak F.
7. Ulusal Klinik Mikrobiyoloji Kongresi, Muğla, Turkey, 1 - 05 November 2023, pp.173-174
- II. **GBS demographic, clinical, electrophysiological and prognostic features; a Turkey study**
Ozkara B., Budak F., BUDAK F.
Annual Meeting of the Peripheral-Nerve-Society, Maryland, United States Of America, 21 - 25 July 2018, pp.349

Supported Projects

Budak F., Altan G., Project Supported by Higher Education Institutions, Farklı Çözücülerde Ekstrakte Edilen Taraxacum officinale Ekstraktlarının Bacteroides fragilis ATCC 25285 Standart Suşu Üzerindeki Antibakteriyel Etkisinin Sıvı Mikrodilüsyon Yöntemiyle Belirlenmesi, 2024 - 2025

BUDAK F., Özkan B., Project Supported by Higher Education Institutions, klinik örneklerden elde edilmiş Pseudomonas aeruginosa bakterilerinin kolistin direncinin farklı yöntemlerle karşılaştırılması, 2022 - 2023

BUDAK F., genes h., Project Supported by Higher Education Institutions, klinik örneklerden izole edilen enterokokların virülans faktörlerinin yüksek düzey aminoglikozid direnciyle ilişkilendirilmesi, 2021 - 2022

PİR M., BUDAK F., Project Supported by Higher Education Institutions, Heterosiklik bor bileşiklerinin zoonotik Microsporum canis enfeksiyonu üzerine olan antifungal aktivitelerinin tayini ve QSAR (kantitatif yapı-aktivite ilişkisi) çalışması, 2021 - 2022

BUDAK F., Project Supported by Higher Education Institutions, NOZOKOMİYAL ÇOKLU İLACA DİRENÇLİ ACİNETOBACTER BAUMANNİİ İZOLATININ MLST İLE TİPLENDİRİLMESİ, 2018 - 2019

BUDAK F., DUYZMAZ F. Z., Project Supported by Higher Education Institutions, ACİNETOBACTER BAUMANNİİ İZOLATLARININ GENOTİPLERİNİN SAPTANMASI VE BİYOFİLM OLUŞUMU İLE KARŞILAŞTIRILMASI, 2017 - 2018

BUDAK F., Project Supported by Higher Education Institutions, SENTEZ EDİLMİŞ ÇEŞİTLİ KİMYASAL MADDELERİN ANTİBAKTERİYEL ..., 2014 - 2015

Scientific Refereeing

Metrics

Publication: 38

Citation (WoS): 312

Citation (Scopus): 365

H-Index (WoS): 11

H-Index (Scopus): 11

Non Academic Experience

Karadeniz Teknik Üniversitesi Tıp Fakültesi

İzmir Göztepe Sağlık Ocağı