

## Assoc. Prof. DİDEM KART

### Personal Information

Office Phone: [+90 312 305 1499](tel:+903123051499)

Email: [dturk@hacettepe.edu.tr](mailto:dturk@hacettepe.edu.tr)

Web: <https://avesis.hacettepe.edu.tr/dturk>

### International Researcher IDs

ORCID: 0000-0001-7119-5763

Yoksis Researcher ID: 169671

### Education Information

Doctorate, Gazi University, Tıp Fakültesi/Tıbbi Mikrobiyoloji Anabilim Dalı, Turkey 2009 - 2014

Postgraduate, Hacettepe University, Tıp Fakültesi/Tıbbi Mikrobiyoloji Anabilim Dalı, Turkey 2005 - 2008

### Dissertations

Doctorate, Hastanelerde sıklıkla kullanılan dezenfektanlara karşı duyarlılıkta rol oynayan polimikrobiyal biyofilmlerdeki mikrobiyal etkileşimlerin fenotipik ve genotipik yöntemlerle belirlenmesi, Gazi Üniversitesi, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2014

### Research Areas

Medicine, Basic Pharmaceutics Sciences, Health Sciences, Fundamental Medical Sciences, Microbiology and Clinical Microbiology, Medical Microbiology, Pharmacology and Therapeutics, Pharmaceutical Microbiology, Life Sciences, Microbiology, Bacteriology, Natural Sciences

### Academic Titles / Tasks

Associate Professor, Hacettepe University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2022 - Continues

Assistant Professor, Hacettepe University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2016 - 2018

Research Assistant, Hacettepe University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2006 - 2016

### Academic and Administrative Experience

PostDoctoral Researcher, Karolinska Institutet (Karolinska Institute), Biomedicum, Department of Microbiology, Tumor and Cell Biology (MTC) , 2022 - Continues

Visiting doctoral researcher, Universiteit Gent, Pharmacy, Department of Pharmaceutical Analysis, 2012 - 2013

### Courses

Farmasötik Mikrobiyoloji ve İmmunoloji Laboratuvarı, Undergraduate, 2017 - 2018

Genel ve Tıbbi Mikrobiyoloji, Undergraduate, 2017 - 2018

Farmasötik Mikrobiyoloji ve İmmunoloji, Undergraduate, 2017 - 2018

## Jury Memberships

Doctoral Examination, Doctoral Examination, Ankara Üniversitesi, February, 2020

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Design, Synthesis, and Molecular Modeling of New and Safe Azole Oxime Esters with Promising Antifungal Activity**  
Yurtoğlu S., SARI S., KART D., SABUNCUOĞLU S., Saraç S.  
ChemistrySelect, vol.8, no.18, 2023 (SCI-Expanded)
- II. **Enhanced antimicrobial activity of volatile thymol molecules encapsulated in hierarchical titanosilicates**  
Binay M. I., KART D., AKATA KURÇ B.  
JOURNAL OF POROUS MATERIALS, vol.30, pp.619-628, 2023 (SCI-Expanded)
- III. **Synthesis, antimicrobial properties and in silico studies of aryloxyacetic acid derivatives with hydrazone or thiazolidine-4-one scaffold**  
ŞENKARDEŞ S., KART D., Bebek B., GÜNDÜZ M. G., Kucukguzel S. G.  
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, 2022 (SCI-Expanded)
- IV. **The effects of antidepressants fluoxetine, sertraline, and amitriptyline on the development of antibiotic resistance in Acinetobacter baumannii**  
GÜRPINAR S. S., KART D., ERYILMAZ M.  
ARCHIVES OF MICROBIOLOGY, vol.204, no.4, 2022 (SCI-Expanded)
- V. **DESIGN OF IR780 ETHOSOMES FOR IMAGING AND PHOTODYNAMIC/PHOTOTHERMAL THERAPY OF INFECTIONS**  
SİLİNDİR GÜNAY M., Onaral F. G., KART D.  
ACTA POLONIAE PHARMACEUTICA, vol.79, no.2, pp.255-266, 2022 (SCI-Expanded)
- VI. **Azoles containing naphthalene with activity against Gram-positive bacteria: in vitro studies and in silico predictions for flavohemoglobin inhibition**  
SARI S., SABUNCUOĞLU S., KOÇAK ASLAN E., AVCI A., KART D., ÖZDEMİR Z., Acar M. F., Sayoglu B., ALAGÖZ M. A., KARAKURT A., et al.  
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, vol.40, no.20, pp.10220-10229, 2022 (SCI-Expanded)
- VII. **The effect of gamma and microwave radiation sterilization on periodontological grafts for microbiological evaluation**  
Bargh S., SİLİNDİR GÜNAY M., Ozer A. Y., EKİZOĞLU M., KART D., Kutlu B., Nohutcu R.  
APMIS, vol.129, no.10, pp.587-597, 2021 (SCI-Expanded)
- VIII. **Functional Nanomaterials and 3D-Printable Nanocomposite Hydrogels for Enhanced Cell Proliferation and for the Reduction of Bacterial Biofilm Formation.**  
Motealleh A., Kart D., Czieborowski M., Kehr N. S.  
ACS applied materials & interfaces, vol.13, pp.43755-43768, 2021 (SCI-Expanded)
- IX. **Salbutamol Delivered by Jet Nebulizer: Closed System Design and Impact of a Model Biofilm**  
ÖCAL S., ÖZEN S., NEMUTLU E., KART D., Eylem C. C., TOPELİ İSKİT A.  
RESPIRATORY CARE, vol.66, no.9, pp.1440-1445, 2021 (SCI-Expanded)
- X. **Sub-Inhibitory Concentrations of Ciprofloxacin Alone and Combinations with Plant-Derived Compounds against P. aeruginosa Biofilms and Their Effects on the Metabolomic Profile of P. aeruginosa Biofilms**  
KART D., REÇBER T., NEMUTLU E., SAĞIROĞLU M.

ANTIBIOTICS-BASEL, vol.10, no.4, 2021 (SCI-Expanded)

- XI. **Dermal fibroblast cells interactions with single and triple bacterial-species biofilms**  
Çelebi Saltık B., Kart D.  
Molecular Biology Reports, vol.48, no.4, pp.3393-3404, 2021 (SCI-Expanded)
- XII. **Microbial Stresses on Human Umbilical Cord Stem Cells**  
Kart D., Çelebi-Saltık B.  
CURRENT STEM CELL RESEARCH & THERAPY, vol.16, no.7, pp.801-808, 2021 (SCI-Expanded)
- XIII. **Azole derivatives with naphthalene showing potent antifungal effects against planktonic and biofilm forms of *Candida* spp.: an in vitro and in silico study**  
SARI S., Kocak E., KART D., ÖZDEMİR Z., ACAR M., Sayoglu B., KARAKURT A., DALKARA S.  
INTERNATIONAL MICROBIOLOGY, vol.24, no.1, pp.93-102, 2021 (SCI-Expanded)
- XIV. **Antibacterial azole derivatives: Antibacterial activity, cytotoxicity, and in silico mechanistic studies**  
SARI S., AVCI A., Kocak E., KART D., SABUNCUOĞLU S., DOĞAN İ. S., ÖZDEMİR Z., BOZBEY İ., KARAKURT A., Sarac S., et al.  
DRUG DEVELOPMENT RESEARCH, vol.81, no.8, pp.1026-1036, 2020 (SCI-Expanded)
- XV. **Liposome-based combination therapy for acne treatment**  
EROĞLU İ., Aslan M., Yaman U., Gultekinoglu M., ÇALAMAK S., KART D., ULUBAYRAM K.  
JOURNAL OF LIPOSOME RESEARCH, vol.30, no.3, pp.263-273, 2020 (SCI-Expanded)
- XVI. **Evaluation of the biofilm formation of *Staphylococcus aureus* and *Pseudomonas aeruginosa* on human umbilical cord CD146+stem cells and stem cell-based decellularized matrix**  
Çankirili N., Kart D., Çelebi-Saltık B.  
CELL AND TISSUE BANKING, vol.21, no.2, pp.215-231, 2020 (SCI-Expanded)
- XVII. **Propolis loaded liposomes: evaluation of antimicrobial and antioxidant activities**  
Aytekin A. A., Tanriverdi S. T., Kose F. A., Kart D., Eroğlu İ., Ozer O.  
JOURNAL OF LIPOSOME RESEARCH, vol.30, pp.107-116, 2020 (SCI-Expanded)
- XVIII. **p-Trifluoroacetophenone Oxime Ester Derivatives: Synthesis, Antimicrobial and Cytotoxic Evaluation, and Molecular Modeling Studies**  
Bozbey I., Sari S., Şalva E., Kart D., Karakurt A.  
Letters In Drug Design & Discovery, vol.17, no.2, pp.169-183, 2020 (SCI-Expanded)
- XIX. **Altered metabolomic profile of dual-species biofilm: Interactions between *Proteus mirabilis* and *Candida albicans***  
KART D., YABANOĞLU ÇİFTÇİ S., NEMUTLU E.  
Microbiological Research, vol.230, 2020 (SCI-Expanded)
- XX. **Discovery of new azoles with potent activity against *Candida* spp. and *Candida albicans* biofilms through virtual screening**  
SARI S., KART D., Ozturk N., KAYNAK F. B., Gencil M., Taskor G., KARAKURT A., Sarac S., Essiz S., DALKARA S.  
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.179, pp.634-648, 2019 (SCI-Expanded)
- XXI. **Antifungal screening and in silico mechanistic studies of an in-house azole library**  
SARI S., KART D., SABUNCUOĞLU S., DOĞAN İ. S., ÖZDEMİR Z., Bozbey I., Gencil M., Essiz S., Reynisson J., KARAKURT A., et al.  
CHEMICAL BIOLOGY & DRUG DESIGN, vol.94, pp.1944-1955, 2019 (SCI-Expanded)
- XXII. **Evaluation of Antimicrobial Durability and Anti-Biofilm Effects in Urinary Catheters Against *Enterococcus faecalis* Clinical Isolates and Reference Strains**  
KART D., Kustimur A. S., SAĞIROĞLU M., Kalkancı A.  
BALKAN MEDICAL JOURNAL, vol.34, no.6, pp.546-552, 2017 (SCI-Expanded)
- XXIII. **New azole derivatives showing antimicrobial effects and their mechanism of antifungal activity by molecular modeling studies**  
DOĞAN İ. S., SARAC S., SARI S., KART D., Gokhan S. E., VURAL İ., DALKARA S.  
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.130, pp.124-138, 2017 (SCI-Expanded)
- XXIV. **Polyethyleneimine brushes effectively inhibit encrustation on polyurethane ureteral stents both in dynamic bioreactor and in vivo**

GULTEKİNOĞLU M., Kurum B., Karahan S., KART D., SAĞIROĞLU M., Ertas N., ÖZEN A. H., ULUBAYRAM K.  
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.71, pp.1166-1174,  
2017 (SCI-Expanded)

- XXV. **Nano drug delivery systems and gamma radiation sterilization**  
Sakar F., Özer A. Y., Erdoğan S., Ekizoğlu M., Kart D., Özalp M., Çolak Ş., Zencir Y.  
PHARMACEUTICAL DEVELOPMENT AND TECHNOLOGY, vol.22, no.6, pp.775-784, 2017 (SCI-Expanded)
- XXVI. **Activity of disinfectants against multispecies biofilms formed by Staphylococcus aureus, Candida albicans and Pseudomonas aeruginosa**  
Kart D., Tavernier S., Van Acker H., NELIS H. J., Coenye T.  
BIOFOULING, vol.30, no.3, pp.377-383, 2014 (SCI-Expanded)
- XXVII. **Synthesis, In Vitro Antimicrobial and Antioxidant Activities of Some New 4,5-Dihydro-1H-1,2,4-triazol-5-one Derivatives**  
Yukse H., Akyildirim O., YOLA M. L., GURSOY-KOL O., ÇELEBİER M., KART D.  
ARCHIV DER PHARMAZIE, vol.346, no.6, pp.470-480, 2013 (SCI-Expanded)
- XXVIII. **The effect of hydrogen peroxide/colloidal silver on reducing the colonization and growth of heterotrophic bacteria in dental unit waterlines**  
OZALPL M., Bulut O. E., ATAÇ A. S., EKİZOĞLU M., KART D., ÇELİK H. H., TATAR İ.  
TURKISH JOURNAL OF BIOLOGY, vol.37, no.3, pp.336-341, 2013 (SCI-Expanded)

## Articles Published in Other Journals

- I. **ÜÇ BOYUTLU BASKILI MEDİKAL ALETLERDE BİYOFİLM OLUŞUMLARI**  
Kart D.  
Türk Farmakope Dergisi, vol.6, no.2, pp.83-90, 2021 (Peer-Reviewed Journal)
- II. **Metabolomics-driven approaches on interactions between enterococcus faecalis and candida albicans biofilms Enterococcus faecalis ve candida albicans biyofilmleri arasındaki etkileşimler üzerine metabolomik odaklı yaklaşımlar**  
KART D., YABANOĞLU ÇİFTÇİ S., NEMUTLU E.  
Turkish Journal of Pharmaceutical Sciences, vol.18, no.5, pp.557-564, 2021 (ESCI)
- III. **Alleviating the toxicity concerns of antibacterial cinnamon-polycaprolactone biomaterials for healthcare-related biomedical applications**  
Ahmed J., GÜLTEKİNOĞLU BAYRAM M., BAYRAM C., KART D., ULUBAYRAM K., Edirisinghe M.  
MEDCOMM, vol.2, no.2, pp.236-246, 2021 (ESCI)
- IV. **Design, synthesis, antifungal activity, and QM/MM docking study of two azole derivatives with indole ring**  
SARI S., KART D.  
JOURNAL OF RESEARCH IN PHARMACY, vol.24, no.5, pp.681-692, 2020 (ESCI)
- V. **Assessment of the anti-quorum sensing effect of Lactobacillus sp. metabolites on expression levels of QS-related genes in Pseudomonas aeruginosa PAO1**  
KART D., Gürpınar S. S., Eryılmaz M.  
Turk Hijyen ve Deneysel Biyoloji Dergisi, vol.77, no.3, pp.311-318, 2020 (Scopus)
- VI. **Investigation of Gelatinase Gene Expression and Growth of Enterococcus faecalis Clinical Isolates in Biofilm Models**  
KART D., Kustimur A. S.  
TURKISH JOURNAL OF PHARMACEUTICAL SCIENCES, vol.16, no.3, pp.356-361, 2019 (ESCI)
- VII. **The susceptibility of Proteus mirabilis and Enterococcus aecalis to various antimicrobial agents in polymicrobial biofilms formed using a drip flow reactor**  
KART D.  
MARMARA MEDICAL JOURNAL, vol.32, no.3, pp.137-143, 2019 (ESCI)
- VIII. **Structure elucidation and antimicrobial activities of secondary metabolites from the flowery parts of**

**verbascum mucronatum Lam Verbascum mucronatum lam.'ın çiçekli kısımlarından elde edilen sekonder metabolitlerin yapı tayini ve antimikrobiyal aktiviteleri**

KAHRAMAN Ç., TATLI İ. İ., KART D., EKİZOĞLU M., AKDEMİR Z. Ş.

Turkish Journal of Pharmaceutical Sciences, vol.15, no.3, pp.231-237, 2018 (Scopus)

- IX. **İN VİTRO ACİNETOBACTER BAUMANİİ BİYOFİLTABAKASI OLAN VE OLMAYAN ENDOTRAKEALTÜP VE ISI NEM DEĞİŞTİRİCİ FİLTREDE İNHALERSALBUTAMOL İLAÇ BİRİKİM DÜZEYİNİNÖLÇÜMÜ**  
ÖCAL S., ÖZEN S., NEMUTLU E., KART D., EYLEM C., DEMİRKAN S. K., ORTAÇ ERSOY N. E., TOPELİ İSKİT A.  
Yoğun Bakım Derg, 2018 (Peer-Reviewed Journal)
- X. **Determination of Gelatinase gelE Expression Levels of Enterococcus faecalis in Mono and Dual Species Biofilms**  
KART D.  
Hacettepe Üniversitesi Eczacılık Fakültesi Dergisi, vol.35, pp.162-173, 2015 (Peer-Reviewed Journal)
- XI. **Antimicrobial activity of some Verbascum species growing in Turkey**  
KAHRAMAN Ç., EKİZOĞLU M., KART D., AKDEMİR Z. Ş., ÇANKAYA İ. İ.  
FABAD Journal of Pharmaceutical Sciences, vol.36, pp.11-15, 2011 (Scopus)
- XII. **Antimicrobial Screening of 2 Methyl 3 Acyl 4 Aryl 2 6 6 and or 2 7 7 Trimethyl 1 4 5 6 7 8 Hexahydroquinoline Derivatives**  
GÜNDÜZ M. G., EKİZOĞLU M., KART D., ŞİMŞEK R., ŞAFAK O. C.  
Hacettepe University, J. Faculty of Pharmacy, vol.31, no.1, pp.51-58, 2011 (Peer-Reviewed Journal)

## Books & Book Chapters

### I. Mikrobiyolojik Yöntemler

ERYILMAZ M., DEMİRTAŞ A., ERAÇ B., TAŞLI H., EKİZOĞLU M., KART D., YILMAZ F. F., KARACA GENÇER H., CANTÜRK Z., SAĞIROĞLU M., et al.

in: Türk Farmakopesi 2017, , Editor, T.C. Sağlık Bakanlığı Türkiye İlaç ve Tıbbi Cihaz Kurumu, 2018

### II. Koneman'xxs Color Atlas and Textbook of Diagnostic MicrobiologyKoneman Renkli Atlas ve Tanısal Mikrobiyoloji Kitabı Türkçe Baskısı

BAŞUSTAOĞLU A. C., AKÇALI A., ERGİN M. A., SAYINER A. A., KARAKULLUKÇU A., KARADENİZLİ A., KALKANCI A., FEYZİOĞLU B., KAŞKATEPE B., SANCAK B., et al.

Hipokrat Yayınevi, 2017

## Refereed Congress / Symposium Publications in Proceedings

- I. **in vitro acinetobacter baumannii biyofilm tabakası olan ve olmayan endotrakeal tüp ve ısı nem değiştirici filtrede inhaler salbutamol ilaç birikim düzeyinin ölçümü**  
ÖCAL S., ÖZEN S., CEMİLCAN E., NEMUTLU E., KART D., DEMİRKAN S. K., ORTAÇ ERSOY N. E., TOPELİ İSKİT A.  
15. DAHİLİ CERRAHİ BİLİMLER - 7.AVRASYA YOĞUN BAKIM KONGRESİ, 21 - 24 November 2018
- II. **Microbiological Evaluation of Gamma Radiation and Microwave Radiaiton Sterilized Grafts for Periodontological Applications**  
BARGH S., SİLİNDİR GÜNAY M., ÖZER A. Y., EKİZOĞLU M., KART D., KUTLU H. B., NOHUTCU R. M.  
AAPS Annual Meeting and Exposition/FIP 2010/PSWC 2010 Meeting, 4 - 07 November 2018
- III. **Metabolite changes of Proteus mirabilis in poly-species biofilm models**  
KART D., NEMUTLU E.  
ISOPS 12, 26 - 29 June 2018
- IV. **Hacettepe Üniversitesi Eczacılık Fakültesi'nin Akreditasyon Süreci Açısından 2016 ve 2017 Yılı Değerlendirmesi**  
ERDOĞAR N., DOĞAN A., BİBEROĞLU K., ULUTAŞ DENİZ E., EROĞLU İ., KAZKAYASI İ., DÜZENLİ Ö. F., ARITULUK Z. C., SARI S., GENÇ Y., et al.

- II. Ulusal Eczacılık Eğitimi ve Akreditasyon Kongresi, Turkey, 10 - 11 May 2018
- V. **Hacettepe Üniversitesi Eczacılık Fakültesi'nin Akreditasyon Sonrasında Standartları Karşılama Açısından Son Üç Yıldaki Mevcut Durumu**  
ERDOĞAR N., DOĞAN A., BİBEROĞLU K., ULUTAŞ DENİZ E., EROĞLU İ., KAZKAYASI İ., DÜZENLİ Ö. F., ARITULUK Z. C., SARI S., GENÇ Y., et al.  
II. Ulusal Eczacılık Eğitimi ve Akreditasyon Kongresi, Turkey, 10 - 11 May 2018
- VI. **Polimikrobiyal Biyofilmlerde Antiseptik ve Dezenfektanların Etkinliği**  
KART D.  
10.Uluslararası Sterilizasyon Dezenfeksiyon Kongresi, 29 - 03 November 2017
- VII. **The effect of various antimicrobials on mix-biofilm models**  
KART D.  
10.Uluslararası Sterilizasyon Dezenfeksiyon Kongresi, 29 November - 03 December 2017
- VIII. **METABOLITE PROFILES OF CANDIDA ALBICANS SESSILE CELLS IN MONO AND MULTISPECIES BIOFILM MODELS**  
KART D., NEMUTLU E.  
10th Balkan Congress of Microbiology, 16 - 18 November 2017
- IX. **Discovery of New Azole Antifungals with Potent Activity against Clinically Resistant Candida tropicalis Isolate and Biofilm Formation**  
SARI S., KART D., SARAÇ TARHAN S., KARAKURT A., EŞSİZ GÖKHAN Ş., DALKARA S.  
5th International BAU Drug Design Congress, İstanbul, Turkey, 19 - 21 October 2017
- X. **SYNTHESIS AND ANTIMICROBIAL ACTIVITIES OF SOME 5-CHLORO-2-BENZOXAZOLONE DERIVATES**  
KART D., KOÇAK E., PALASKA E.  
2nd International Gazi Pharma Symposium Series (GPSS-2017), 11 - 13 October 2017
- XI. **Studies on New 1-Phenyl-2-(1H-imidazol-1-yl)ethanone Oxime Esters as Potential Antifungal Compounds**  
AKANSEL S., SARI S., SARAÇ TARHAN S., KART D., KARAKURT A., DALKARA S.  
3rd International Multidisciplinary Symposium on Drug Research and Development, 5 - 07 October 2017
- XII. **New Azoles in Oxime Ester Structure: Antifungal Susceptibility, Anti-Biofilm Activity, and Molecular Modeling Studies**  
SARI S., KART D., SARAÇ TARHAN S., KARAKURT A., DALKARA S.  
3rd International Multidisciplinary Symposium on Drug Research and Development, 5 - 07 October 2017
- XIII. **Synthesis of Some New 1-Phenyl/1-(4-chlorophenyl)-2-(1H-triazole-1yl)ethanol Ester Derivatives and Evaluation of Their Anticonvulsant and Antimicrobial Activities**  
DOĞAN İ. S., ÖZDEMİR Z., BOZBEY İ., KART D., KARAKURT A., SARAÇ TARHAN S.  
International Multidisciplinary Symposium on Drug Research and Development (DRD 2017), Erzurum, Turkey, 5 - 07 October 2017
- XIV. **Synthesis, Biological Activity, and Molecular Modelling Studies on New Oxime Ether Compounds Bearing Imidazole Ring**  
BOZBEY İ., ÖZDEMİR Z., SARI S., KART D., KARAKURT A., SARAÇ TARHAN S., DALKARA S.  
International Multidisciplinary Symposium on Drug Research and Development (DRD 2017), Erzurum, Turkey, 5 - 07 October 2017
- XV. **Discovery of Novel Azole Antifungals: An In Silico and In Vitro Study**  
SARI S., KART D., EŞSİZ GÖKHAN Ş., KARAKURT A., SARAÇ TARHAN S., DALKARA S.  
7th EFMC International Symposium on Advances in Synthetic and Medicinal Chemistry, VIYANA, Austria, 27 - 31 August 2017
- XVI. **Designing and Performance of Antibacterial Polymeric Brushed Ureteral Stents In-vivo**  
GULTEKINOGLU M., KART D., KÜRÜM B., AKSOY E. A., KARAHAN S., SAĞIROĞLU M., ÖZEN A. H., ULUBAYRAM K.  
International Biomedical Science and Technology Symposium, Ankara, Turkey, 12 - 14 May 2017
- XVII. **The effect of combinations of Amphotericin B and some herbal quorum sensing inhibitors on Candida albicans biofilms**  
KART D., SAĞIROĞLU M.

- XVIII. **Antibiofilm effect of vancomycin alone and in combination with various QSIs on mono and multispecies biofilms of S.aureus**  
KART D., SAĞIROĞLU M.  
27th Eccmid, 22 - 25 April 2017
- XIX. **Anti-biofilm effect of colistin and ciprofloxacin alone and in combination with various QSIs on mono and polymicrobial biofilms of P.aeruginosa**  
KART D., SAĞIROĞLU M.  
27th Eccmid, 22 - 25 April 2017
- XX. **In vitro and in vivo Performance of Polyethyleneimine (PEI) Brushes Integrated on Polyurethane (PU) Ureteral Stents Against Biofilm Formation and Encrustation**  
Gultekinoglu M., Kurum B., Karahan S., KART D., SAĞIROĞLU M., ÖZEN H., ULUBAYRAM K.  
4th TERMIS World Congress, Massachusetts, United States Of America, 8 - 11 September 2015, vol.21
- XXI. **Determination of gelatinase gelE expression levels a virulence gene of Enterococcus faecalis in planktonic form monomicrobial and dual species biofilms**  
KART D., SEMRA K., SAĞIROĞLU M., KALKANCI A.  
Eurobiofilms 2015 Fourth European Congress on Microbial Biofilms, 23 June 2015 - 26 June 2014
- XXII. **Synthesis and antimicrobial activities of new schiff bases of 1 3 4 thiadiazol 2 amine**  
KART D., ÇIRDAKLI D., ÖZADALI SARI K., SAĞIROĞLU M., ÖZKANLI F.  
11th International Symposium on Pharmaceutical Sciences, 9 - 12 June 2015
- XXIII. **Enterococcus faecalis hastane izolatlarında biyofilm oluşumu sıklığının belirlenmesi ve çeşitli üretral kateterlerin biyofilm oluşumunu önleme bakımından karşılaştırılması**  
KART D., SAĞIROĞLU M., KALKANCI A., GÜLMEZ KIVANÇ D., KUŞTİMUR S.  
XXXVI. Türk Mikrobiyoloji Kongresi, Antalya, Turkey, 12 - 16 November 2014
- XXIV. **Enterococcus faecalis klinik izolatlarının jelatinaz gelE virulans geninin biyofilm oluşumuyla ilişkisinin mono ve polimikrobiyal biyofilm modellerinde araştırılması**  
KART D., KALKANCI A., SAĞIROĞLU M., GÜLMEZ KIVANÇ D., KUŞTİMUR S.  
XXXVI. Türk Mikrobiyoloji Kongresi, Antalya, Turkey, 12 - 16 November 2014
- XXV. **Studies on gamma radiation sterilization on liquid crystalline and gel state liposomes**  
Sakar F., ERDOĞAN S., ÖZER A. Y., EKİZOĞLU M., KART D., ÖZALP M., ÇOLAK Ş.  
Gordon Research Conferences on "Radiation Chemistry, 29 July - 03 August 2012
- XXVI. **Çok ilaca dirençli Pseudomonas aeruginosa ve Acinetobacter baumannii hastane izolatlarında QACE 1 dezenfektan direnç geni varlığının araştırılması**  
Ceren Ö., EKİZOĞLU M., KART D., GÜLMEZ KIVANÇ D., ÖZALP M.  
7. Ulusal Moleküler ve Tanısal Mikrobiyoloji Kongresi, Turkey, 5 - 08 June 2012
- XXVII. **Some drug carrier systems and gamma irradiation**  
Sakar F., ERDOĞAN S., ÖZER A. Y., EKİZOĞLU M., KART D., ÖZALP M., ZENCİR Y., ÇOLAK Ş.  
12th International Symposium on Advances in Technology& Business Potential of New Drug Delivery Systems, 9 - 10 February 2012
- XXVIII. **Comparative evaluation of gamma irritated drug carrier systems**  
Sakar F., ERDOĞAN S., ÖZER A. Y., EKİZOĞLU M., KART D., ÖZALP M., ZENCİR Y., ÇOLAK Ş.  
12th International Symposium on Advances in Technology& Business Potential of New Drug Delivery Systems, 9 - 10 February 2012
- XXIX. **An investigation of disinfectant resistance gene in hospital isolated Gram-negative bacteria**  
KART D., EKİZOĞLU M., ÖZKUL C., GÜLMEZ D., ÖZALP M.  
4th International Conference on Environmental, Industrial and Applied Microbiology (BioMicroWorld), Malaga, Spain, 14 - 16 September 2011, pp.461-463
- XXX. **Çoklu ilaç dirençli gram negatif hastane izolatlarında dezenfektan duyarlılığının fenotipik ve genotipik olarak araştırılması**  
KART D., EKİZOĞLU M., Ceren Ö., GÜLMEZ KIVANÇ D., ÖZALP M.  
1. Ulusal Klinik Mikrobiyoloji Kongresi, Turkey, 12 - 16 November 2011

- XXXI. **An investigation of disinfectant resistance gene in hospital isolated gram negative bacteria Microbes in Applied Research Current Advances and Challenges 461 463 Supp olarak basılı**  
KART D., EKİZOĞLU M., Özkul C., GÜLMEZ KIVANÇ D., SAĞIROĞLU M.  
IV International Conference on Environmental, Industrial and Applied Microbiology, Malaga, Spain, 14 - 16 October 2011, pp.461-463
- XXXII. **Antimicrobial Activity of Some Traditional Medicinal Plants From Turkey**  
ARITULUK Z. C., EKİZOĞLU M., KART D., AKAYDIN G., Ezer N.  
15th International Congress Phytopharm 2011, 25 - 27 July 2011
- XXXIII. **Antimicrobial Screening of 1 4 Dihydropyridine Derivatives**  
EKİZOĞLU M., GÜNDÜZ M. G., KART D., ŞİMŞEK R., ŞAFAK O. C.  
4th International Meeting on Medicinal and Pharmaceutical Chemistry-6th International Symposium on Pharmaceutical Chemistry Joint Meeting, 30 September - 02 October 2010
- XXXIV. **Hidrojen Peroksit Kolloidal Gümüşün Dış Ünitisi Su Yolunun Dekontaminasyonuna Etkisinin İncelenmesi**  
ATAÇ A. S., Bulut E., ÖZALP M., ÇELİK H. H., TATAR İ., EKİZOĞLU M., KART D.  
6. Ulusal Sterilizasyon Dezenfeksiyon Kongresi, Turkey, 1 - 05 April 2009

## Supported Projects

KART D., NEMUTLU E., Project Supported by Higher Education Institutions, Mono ve PoliBiyofilm Modellerinde Candida albicans Hücrelerinin Metabolit Profili, 2017 - 2018

## Metrics

Publication: 76  
Citation (WoS): 163  
Citation (Scopus): 167  
H-Index (WoS): 9  
H-Index (Scopus): 8

## Invited Talks

Different Approaches to Study Medical Biofilms, Seminar, Karolinska Institutet, Center for Translational Microbiome Research (CTMR), Bug Corner, Sweden, February 2022

Polimikrobiyal biyofilmlerde antiseptik ve dezenfektanların etkinliği, Conference, Turkey, November 2017

## Scholarships

2219 PostDoctoral Study Scholarship, TUBITAK, 2022 - 2023

2214 Visiting Doctoral Researcher Scholarship, TUBITAK, 2012 - 2013

## Awards

Kart D., Hidrojen Peroksit Kolloidal Gümüşün Dış Ünitisi Su Yolunun Dekontaminasyonuna Etkisinin İncelenmesi, Dezenfeksiyon Antiseptik Ve Sterilizasyon Derneği, September 2009