

## Res. Asst. PhD SİNEM DİKEN GÜR

### Personal Information

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### International Researcher IDs

ORCID: 0000-0001-6105-4609

Yoksis Researcher ID: 116802

### Education Information

Doctorate, Hacettepe University, Fen Fakültesi, Biyoloji/Biyoteknoloji, Turkey 2010 - 2016

Postgraduate, Hacettepe University, Fen Fakültesi, Biyoloji/Biyoteknoloji, Turkey 2007 - 2010

Undergraduate, Hacettepe University, Fen Fakültesi, Biyoloji, Turkey 2003 - 2007

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Atıksu Ön Arıtımı İçin Koimmobilize Enzim Tasarımı, Hacettepe Üniversitesi, Fen Fakültesi, Biyoloji Bölümü, 2016

Postgraduate, Pseudomonas aeruginosa suşlarının antibiyotiplendirme ve farklı PZR yöntemleri ile tiplendirilmesi, Hacettepe Üniversitesi, Fen Fakültesi, Biyoloji Bölümü, 2010

### Research Areas

Life Sciences, Biotechnology, Biomaterial, Environmental Biotechnology, Industrial Biotechnology, Microbial Biotechnology, Microbiology, Bacteriology, Molecular Biology and Genetics, Microbial Genetics, Natural Sciences

### Academic Titles / Tasks

Research Assistant PhD, Hacettepe University, Fen Fakültesi, Biyoloji Bölümü, 2008 - Continues

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

- Characterization of Receptor Binding Affinity for Vascular Endothelial Growth Factor with Interferometric Imaging Sensor**  
Unlu N. L., YÜCEL M., Chiodi E., DİKEN GÜR S., Emre S., Unlu M. S.  
BIOSENSORS-BASEL, vol.14, no.7, 2024 (SCI-Expanded)

- II. **Investigation of anti-adherence and antimicrobial properties of prodigiosin-functionalized bacterial cellulose membrane for biomedical applications**  
DİKEN GÜR S.  
Journal of Biotechnology, vol.385, pp.58-64, 2024 (SCI-Expanded)
- III. **Antimicrobial assay and controlled drug release studies with novel eugenol imprinted p(HEMA)-bacterial cellulose nanocomposite, designed for biomedical applications**  
DİKEN GÜR S., AVCIOĞLU N. H., YÜCEL M., DENİZLİ A.  
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, vol.35, pp.2137-2152, 2024 (SCI-Expanded)
- IV. **Solid-Phase Optical Sensing Techniques for Sensitive Virus Detection**  
Seymour E., Ekiz Kanik F., DİKEN GÜR S., Bakhshpour-Yucel M., ARAZ A., Lortlar Ünlü N., Ünlü M. S.  
Sensors, vol.23, no.11, 2023 (SCI-Expanded)
- V. **Sterilization studies of hydrogel nanocomposites designed for possible biomedical applications before in vivo research**  
Sekitmen G. B., Su E., DİKEN GÜR S., İDE S., Okay O.  
REACTIVE & FUNCTIONAL POLYMERS, vol.180, 2022 (SCI-Expanded)
- VI. **Nanoscale SPR sensor for the ultrasensitive detection of the ovarian cancer marker carbohydrate antigen 125**  
Gur S., Bakhshpour M., DENİZLİ A.  
NEW JOURNAL OF CHEMISTRY, vol.46, no.15, pp.7263-7270, 2022 (SCI-Expanded)
- VII. **Antibacterial effect against both Gram-positive and Gram-negative bacteria via lysozyme imprinted cryogel membranes.**  
Diken Gür S., Bakhshpour M., Bereli N., Denizli A.  
Journal of biomaterials science. Polymer edition, vol.32, pp.1024-1039, 2021 (SCI-Expanded)
- VIII. **Selective detection of Escherichia coli caused UTIs with surface imprinted plasmonic nanoscale sensor**  
Diken Gür S., Bakhshpour M., Denizli A.  
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.104, pp.1-7, 2019 (SCI-Expanded)
- IX. **Optimization of Enzyme Co-Immobilization with Sodium Alginate and Glutaraldehyde-Activated Chitosan Beads**  
DİKEN GÜR S.  
APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY, pp.538-552, 2018 (SCI-Expanded)
- X. **Molecular typing of clinical Pseudomonas aeruginosa strains by using RAPD-PCR**  
DİKEN GÜR S., AKSÖZ N.  
MINERVA BIOTECNOLOGICA, vol.28, no.2, pp.104-113, 2016 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Antimicrobial Activity of Thyme and Rosemary Oils against Pseudomonas aeruginosa Strains**  
DİKEN GÜR S., BİLEN ÖZYÜREK S., SEYİS BİLKAY I.  
Hacettepe Journal of Biology and Chemistry, vol.45, pp.435-442, 2017 (Peer-Reviewed Journal)
- II. **Investigation of Antimicrobial Activity of Pyocyanin Produced by Pseudomonas aeruginosa Strains Isolated from Different Clinical Specimens**  
BİLEN ÖZYÜREK S., DİKEN GÜR S., SEYİS BİLKAY I.  
Hacettepe Journal of Biology and Chemistry, vol.1, pp.1, 2016 (Peer-Reviewed Journal)

### Refereed Congress / Symposium Publications in Proceedings

- I. **Polymethylsilsesquioxane Concentration Effects on the Nanostructures and the Biophysical**

## **Properties of some Foundations and BB Creams**

kaya p., Karaarslan D., Su C. J., BACIOĞLU A., DİKEN GÜR S., BAYARI S., Jeng U., İDE S.

4th International Turkish Congress on Molecular Spectroscopy (TURCMOS2019), Aydın, Turkey, 5 - 09 August 2019

- II. **Detection of Escherichia coli Using Microcontact Imprinted Based Surface Plasmon Resonance Biosensor**  
DİKEN GÜR S.  
International Chromatography Congress, İstanbul, Turkey, 15 November 2018, pp.1
- III. **Yüzey Plazmon Rezonans Biyosensör ile Escherichia coli Tayini**  
DİKEN GÜR S.  
12. Ulusal Afinite Teknikleri Kongresi, İzmir, Turkey, 05 September 2018, pp.1
- IV. **Co-immobilized enzymes for the pre-treatment of wastewater**  
Gur S., İDİL N., AKSÖZ N.  
European Biotechnology Congress, Dubrovnik, Croatia, 25 - 27 May 2017, vol.256
- V. **Ko immobilize Enzim İmmobilizasyonu için Kalsiyum Aljinatlı Matrikslerin Hazırlanması**  
DİKEN GÜR S., İDİL N., AKSÖZ N.  
18. Biyoteknoloji Kongresi, Turkey, 18 - 19 December 2015
- VI. **Zeytinyağı Fındık Yağı Mısırozü Yağı ve Ayçiçek Yağının Pseudomonas aeruginosa nın Üretimi ve Biyosürefektan Varlığı Üzerine Etkisinin Araştırılması**  
BİLEN ÖZYÜREK S., DİKEN GÜR S., SEYİS BİLKAY I., AKSÖZ N.  
18. Ulusal Biyoteknoloji Kongresi, Turkey, 18 - 19 December 2015
- VII. **Zeytinyağı Fındık Yağı Mısırozü Yağı ve Ayçiçek Yağının Pseudomonas aeruginosa nın Üretimi ve Biyosürefektan Varlığı Üzerine Etkisinin Araştırılması**  
BİLEN ÖZYÜREK S., DİKEN GÜR S., SEYİS BİLKAY I.  
18. Ulusal Biyoteknoloji Kongresi, Konya, Turkey, 18 - 19 December 2015
- VIII. **Metallo meta laktamaz üreten Pseudomonas aeruginosa suşlarının RAPD PCR ile klonal ilişkilerinin belirlenmesi**  
DİKEN GÜR S., BİLEN ÖZYÜREK S., SEYİS BİLKAY I.  
22. Ulusal Biyoloji Kongresi, Eskişehir, Turkey, 23 - 27 June 2014
- IX. **Hastane Kökenli Pseudomonas aeruginosa suşlarında antimikrobiyal Direncin Araştırılması**  
BİLEN ÖZYÜREK S., DİKEN GÜR S., SEYİS BİLKAY I.  
22. Ulusal Biyoloji Kongresi, Eskişehir, Turkey, 23 - 27 June 2014
- X. **Klinik Örneklerden İzole Edilen Pseudomonas aeruginosa Suşlarına Bitkisel Yağların Antimikrobiyal Etkileri**  
DİKEN GÜR S., AKSÖZ N., BİLEN ÖZYÜREK S., SEYİS BİLKAY I.  
22. Ulusal Biyoloji Kongresi, Turkey, 23 - 27 June 2014
- XI. **Bitkisel yağların farklı mikroorganizmalar üzerindeki antimikrobiyal ve antifungal etkilerinin araştırılması**  
BİLEN ÖZYÜREK S., DİKEN GÜR S., SEYİS BİLKAY I.  
22. Ulusal Biyoloji Kongresi, Eskişehir, Turkey, 23 June 2014
- XII. **Molecular Epidemiology of Pseudomonas aeruginosa Strains Isolated from Clinical Specimens**  
DİKEN GÜR S.  
European Biotechnology Congress, Lecce, Italy, 15 May 2014, pp.185

## **Supported Projects**

DİKEN GÜR S., BAKHSHPOUR M., Project Supported by Higher Education Institutions, Yüzey Plazmon Rezonans Nanosensör ile Glikoproteinlerin Tayini, 2019 - 2023

DİKEN GÜR S., BAKHSHPOUR M., Project Supported by Higher Education Institutions, Yüzey plazmon rezonans biyosensör ile Escherichia coli tayini, 2018 - 2019

DİKEN GÜR S., Project Supported by Higher Education Institutions, Atıksu ön arıtımı için ko-immobilize enzimler, 2017 - 2017

AKSÖZ N., DİKEN GÜR S., Project Supported by Higher Education Institutions, ATIKSU ÖN ARITIMI İÇİN KOİMMOBİLİZE ENZİM TASARIMI, 2016 - 2017

DİKEN GÜR S., Project Supported by Higher Education Institutions, 18. Ulusal Biyoteknoloji Kongresi, 2015 - 2016

İDİL N., DİKEN GÜR S., AKSÖZ N., Project Supported by Higher Education Institutions, İki Farklı Destek Materyal ile Koimmobilize Enzim Tasarımı, 2015 - 2016

## Scientific Refereeing

HACETTEPE JOURNAL OF BIOLOGY AND CHEMISTRY, National Scientific Refreed Journal, May 2021

PROCESS BIOCHEMISTRY, SCI Journal, May 2021

ARCHIVES OF MICROBIOLOGY, SCI Journal, March 2021

Process Biochemistry, SCI Journal, June 2018

Journal of Agricultural and Food Chemistry, SCI Journal, March 2018

Brazilian Journal of Pharmaceutical Sciences, SCI Journal, February 2018

Microbial Pathogenesis, SCI Journal, January 2018

Biocatalysis and Agricultural Biotechnology, SCI Journal, August 2017

## Metrics

Publication: 24

Citation (WoS): 3

Citation (Scopus): 4

H-Index (WoS): 1

H-Index (Scopus): 1

## Congress and Symposium Activities

International Chromatography Congress, Attendee, İstanbul, Turkey, 2018

12. Ulusal Afinitive Teknikleri Kongresi, Attendee, İzmir, Turkey, 2018

European Biotechnology Congress 2017, Attendee, Dubrovnik, Croatia, 2017

18. Ulusal Biyoteknoloji Kongresi, Attendee, Konya, Turkey, 2015

22. Ulusal Biyoloji Kongresi, Attendee, Turkey, 2014

European Biotechnology Congress 2014, Attendee, Lecce, Italy, 2014

European Biotechnology Congress, Attendee, İstanbul, Turkey, 2011

15. Türk Klinik Mikrobiyoloji ve Enfeksiyon Hastalıkları Kongresi, Attendee, Antalya, Turkey, 2011