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### Kişisel Bilgiler

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### Eğitim Bilgileri

Doktora, Hacettepe Üniversitesi, Fen Bilimleri, Kimya Anabilim Dalı, Türkiye 2011 - 2018

Yüksek Lisans, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Anabilim Dalı, Türkiye 2009 - 2011

Lisans, Hacettepe Üniversitesi, Eğitim Fakültesi, Ortaöğretim Fen Ve Matematik Alanlar Eğitimi Bölümü, Türkiye 2002 - 2008

### Yabancı Diller

Almanca, B2 Orta Üstü

### Yaptığı Tezler

Doktora, Vitamin Tayini İçin Yüzey Plazmon Rezonans (SPR) Temelli Nanosensörlerin Hazırlanması, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü Bilimleri Enstitüsü, Kimya Anabilim Dalı, 2018

Yüksek Lisans, Sitokrom C Saflaştırılması İçin Süpermakrogözenekli İmmobilize Metal Afiniteli Kromatografi Adsorbenler, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Anabilim Dalı, 2011

### Araştırma Alanları

Tıp, Sağlık Bilimleri, Temel Tıp Bilimleri, Biyokimya

### Akademik Unvanlar / Görevler

Araştırma Görevlisi, Hacettepe Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2008 - Devam Ediyor

### SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

#### I. Detection of Silver(I) Ions by Ion-Imprinted SPR Sensors

ÇİMEN D., Jalilzadeh M., DENİZLİ A.

IEEE SENSORS JOURNAL, sa.7, ss.10575-10582, 2025 (SCI-Expanded)

#### II. Nanoparticle-assisted plasmonic sensors: Recent developments in clinical applications

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ANALYTICAL BIOCHEMISTRY, 2025 (SCI-Expanded)

- III. **Controlled Release Simvastatine from Molecularly Imprinted Cryogel Membranes**  
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- IV. **Preparation of Concanavalin A Imprinted Surface Plasmon Resonance Based Biosensors**  
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- V. **Surface Plasmon Resonance Based Sensor for Amaranth Detection With Molecularly Imprinted Nanoparticles**  
Ozgur F. O., ÇİMEN D., DENİZLİ A., BERELİ N.  
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- VI. **Development of Optical-Based Molecularly Imprinted Nanosensors for Adenosine Detection**  
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- VII. **Preparation of magnetic poly(ethylene glycol dimethacrylate-N-Methacryloyl-(L)-glutamic acid) particles for thrombin purification**  
ÇİMEN D., BERELİ N., Günaydın S., DENİZLİ A.  
Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, cilt.1219, 2023 (SCI-Expanded)
- VIII. **Advanced Plasmonic Nanosensors for Monitoring of Environmental Pollutants**  
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Current Analytical Chemistry, cilt.19, sa.1, ss.2-17, 2023 (SCI-Expanded)
- IX. **Molecular imprinted nanoparticle assisted surface plasmon resonance biosensors for detection of thrombin**  
ÇİMEN D., BERELİ N., Gunaydin S., DENİZLİ A.  
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- X. **SPR Signal Enhancement With Silver Nanoparticle-Assisted Plasmonic Sensor for Selective Adenosine Detection**  
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- XI. **Fab fragment immobilized immunoaffinity cryogels as a tool for human serum albumin purification: Characterization of Fab immobilized cryogels**  
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- XII. **Metal-chelated polyamide hollow fiber membranes for ovalbumin purification from egg white**  
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- XIII. **Patulin Imprinted Nanoparticles Decorated Surface Plasmon Resonance Chips for Patulin Detection**  
ÇİMEN D., BERELİ N., DENİZLİ A.  
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- XIV. **Effect of donkey milk lactoferrin and lysozyme on yoghurt properties**  
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MLJEKARSTVO, cilt.72, sa.2, ss.77-87, 2022 (SCI-Expanded)
- XV. **Testosterone Imprinted poly(HEMA-MAA) Nanoparticles Based Surface Plasmon Resonance Sensor for Detection of Testosterone**  
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- XVI. **Molecularly imprinted nanofilms for endotoxin detection using an surface plasmon resonance**

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- XVII. **Preparation of surface plasmon resonance-based nanosensor for curcumin detection**  
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- XVIII. **Real-Time Detection of Fibrinogen via Imprinted Recognition Sites**  
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- XIX. **Use of antimicrobial proteins of donkey milk as preservative agents in Kashar cheese production**  
Ozturkoglu-Budak S., Akal H. C., BERELİ N., ÇİMEN D., AKGÖNÜLLÜ S.  
International Dairy Journal, cilt.120, 2021 (SCI-Expanded)
- XX. **Optical Sensor-Based Molecular Imprinted Poly(Hydroxyethyl Methacrylate-N-Methacryloyl-(L)-Histidine Methyl ester) Thin Films for Determination of Tartrazine in Fruit Juice**  
BERELİ N., ÇİMEN D., DENİZLİ A.  
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- XXI. **Injectable Cryogels in Biomedicine**  
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- XXII. **Surface Plasmon Resonance Based on Molecularly Imprinted Polymeric Film for l-Phenylalanine Detection**  
ÇİMEN D., BERELİ N., DENİZLİ A.  
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- XXIII. **Detection of amoxicillin residues in egg extract with a molecularly imprinted polymer on gold microchip using surface plasmon resonance and quartz crystal microbalance methods**  
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- XXIV. **Development of Rapid, Sensitive, and Effective Plasmonic Nanosensor for the Detection of Vitamins in Infact Formula and Milk Samples**  
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- XXVIII. **Surface Plasmon Resonance Nanosensors for Detecting Amoxicillin in Milk Samples with Amoxicillin Imprinted Poly(hydroxyethyl methacrylate-N-methacryloyl-(L)- glutamic acid)**  
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- XXIX. **Design and preparation of imprinted surface plasmon resonance (SPR) nanosensor for detection of Zn(II) ions**  
Jalilzadeh M., ÇİMEN D., ÖZGÜR E., ESEN C., DENİZLİ A.  
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- XXX. **Cholesterol removal from human plasma with biologically modified cryogels**  
Uzunoglu G., ÇİMEN D., BERELİ N., Cetin K., DENİZLİ A.  
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, cilt.30, sa.14, ss.1276-1290, 2019 (SCI-Expanded)
- XXXI. **Molecularly imprinted polymer based quartz crystal microbalance sensor for the clinical detection of insulin**  
KARTAL F., ÇİMEN D., BERELİ N., DENİZLİ A.  
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, cilt.97, ss.730-737, 2019 (SCI-Expanded)
- XXXII. **Molecular Imprinted Based Quartz Crystal Microbalance Nanosensors for Mercury Detection**  
Hüseyinli S., ÇİMEN D., BERELİ N., DENİZLİ A.  
GLOBAL CHALLENGES, cilt.3, sa.3, 2019 (SCI-Expanded)
- XXXIII. **A Novel On-Chip Method for Differential Extraction of Sperm in Forensic Cases**  
Inci F., Ozen M. O., Saylan Y., Miansari M., Cimen D., Dhara R., Chinnasamy T., Yuksekkaya M., Filippini C., Kumar D. K., et al.  
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- XXXIV. **Development of surface plasmon resonance sensors based on molecularly imprinted nanofilms for sensitive and selective detection of pesticides**  
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- XXXV. **Removal of iron by chelation with molecularly imprinted supermacroporous cryogel.**  
ÇİMEN D., Göktürk I., YILMAZ F.  
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- XXXVI. **Poly-(L)-histidine immobilized cryogels for lysozyme purification**  
ÇİMEN D., Tuerkmen D., DENİZLİ A.  
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- XXXVII. **Poly-L-Histidine Attached Poly(glycidyl methacrylate) Cryogels for Heavy Metal Removal**  
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- XXXVIII. **Dye affinity cryogels for plasmid DNA purification**  
ÇİMEN D., YILMAZ F., Perçin I., TÜRKMEN D., DENİZLİ A.  
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- XXXIX. **Enantioseparation of aromatic amino acids using CEC monolith with novel chiral selector, N-methacryloyl-L-histidine methyl ester**  
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- XL. **Immobilized metal affinity monolithic cryogels for cytochrome c purification**  
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## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **Molecular Imprinting Technology for Biomimetic Assemblies**  
BERELİ N., AKGÖNÜLLÜ S., ASLIYÜCE ÇOBAN S., ÇİMEN D., GÖKTÜRK BAŞAL I., TÜRKMEN D., YAVUZ ALAGÖZ H., DENİZLİ A.  
Hacettepe Journal of Biology and Chemistry, cilt.48, sa.5, ss.575-601, 2020 (Hakemli Dergi)
- II. **Oral Chelation Therapy for Cadmium Poisoning with Cd(II)- MAC Imprinted PHEMAC Nanoparticles**  
Jalilzadeh M., ÇİMEN D., YAVUZ ALAGÖZ H., DENİZLİ A.  
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- III. **Molecularly imprinted cryogel columns for Concanavalin A purification from jack bean extract**  
ÇİMEN D., BERELİ N., Andac M., DENİZLİ A.  
SEPARATION SCIENCE PLUS, cilt.1, sa.6, ss.454-463, 2018 (ESCI)
- IV. **Bovine Serum Albumin Adsorption by Dye Derived Poly(hydroxyethyl methacrylate) [PHEMA] Membranes**  
ÇİMEN D., YILMAZ F.  
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- V. **Study on an Hydrophilic Interaction Electrochromatography Method for Separation of Sulfonamide Antibiotics**  
AYDOĞAN C., YILMAZ F., ÇİMEN D., ANDAÇ ÖZDİL A. M., SHAIKH H., DENİZLİ A.  
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## Kitaplar

- I. **Nanodevices and nanomachines at the nanoscale biophysics**  
AKGÖNÜLLÜ S., ÇİMEN D., GÖKTÜRK BAŞAL I., Yılmaz G., YILMAZ F., DENİZLİ A.  
Biophysics At the Nanoscale Applications of Functional Materials, DENİZLİ ADİL, Editör, Academic Press , ss.233-261, 2024
- II. **Commercial biosensors for pathogens**  
Akgönüllü S., Çimen D., Bakhshpour M., Bereli N., Yavuz Alagöz H., Denizli A.  
Commercial Biosensors and Their Applications, Mustafa Kemal Sezgintürk, Editör, Elsevier Science, Oxford/Amsterdam , Amsterdam, ss.89-106, 2020
- III. **Molecularly Imprinted Sensors for Detecting Controlled Release of Pesticides.**  
Yılmaz F., Bereli N., Derazshamshir A., Çimen D., Akgönüllü S., Saylan Y., Topçu A. A., Denizli A.  
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- IV. **Molecularly Imprinted Nanomaterials: Applications in Biosensors and Biodiagnostics**  
YILMAZ E., ÖZGÜR E., ÇİMEN D., DENİZLİ A.  
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- V. **MASS TRANSFER IN CRYOGELS**  
BATTAL D., AKGÖNÜLLÜ S., ÇİMEN D., SAYLAN Y., ASLIYÜCE ÇOBAN S., DENİZLİ A.  
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- VI. **Surface plasmon resonance based nanosensors for detection of triazinic pesticides in agricultural foods**  
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- VII. **SENSORS FOR THE QUALITY DETECTION OF BEVERAGES**  
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## Hakemli Bilimsel Toplantılarda Yayımlanmış Bildiriler

- I. **Lizozim Saflaştırılması için Poli L Histidin Kriyojeller**  
ÇİMEN D., TÜRKMEN D., DENİZLİ A.  
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## Desteklenen Projeler

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DENİZLİ A., BERELİ N., ÇİMEN D., Yükseköğretim Kurumları Destekli Proje, İçeceklerde Bulunan Gıda Boyar Maddelerin Tayinine Yönelik Sensörlerin Hazırlanması, 2018 - 2019

ÇİMEN D., DENİZLİ A., BERELİ N., Yükseköğretim Kurumları Destekli Proje, Hayvansal Gıdalarda Testosteron Tayinine Yönelik Yüzey Plazmon Rezonans (SPR) Biosensörlerin Hazırlanması, 2018 - 2019

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BERELİ N., YILMAZ E., KARTAL F., ÇİMEN D., Yükseköğretim Kurumları Destekli Proje, İnsülin Tayinine Yönelik Kuartz Kristal Mikrobals (QCM) Biyosensörlerin Hazırlanması, 2015 - 2016

ÇİMEN D., Yükseköğretim Kurumları Destekli Proje, PROTEİN C SAFLAŞTIRILMASI İÇİN MANYETİK NANOPARTİKÜLLER, 2015 - 2015

BERELİ N., DENİZLİ A., ÇİMEN D., Yükseköğretim Kurumları Destekli Proje, PROTEİN C SAFLAŞTIRILMASI İÇİN MANYETİK NANOPARTİKÜLLER, 2015 - 2015

## Metrikler

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