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### Eğitim Bilgileri

Doktora, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya A.B.D., Türkiye 2013 - 2020

Yüksek Lisans, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya A.B.D., Türkiye 2011 - 2013

Lisans, Tokat Gaziosmanpaşa Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, Türkiye 2006 - 2010

### Yaptığı Tezler

Doktora, YÜZEY PLAZMON REZONANS (SPR) TEMELLİ AFLATOKSİN SENSÖRLERİN HAZIRLANMASI, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya A.B.D., 2020

Yüksek Lisans, L-Fenilalanin'in Tanınmasına Yönelik Afinite Kartuşlarının Hazırlanması, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya A.B.D., 2013

### Araştırma Alanları

Kimya

### Akademik Unvanlar / Görevler

Öğretim Görevlisi Dr., Hacettepe Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2019 - Devam Ediyor

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

- I. Preparation of magnetic nanoparticles-assisted plasmonic biosensors with metal affinity for interferon-alpha detection**  
Saylan Y., AKGÖNÜLLÜ S., DENİZLİ A.  
MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS, cilt.280, 2022  
(SCI İndekslerine Giren Dergi)
- II. Effect of donkey milk lactoferrin and lysozyme on yoghurt properties**  
AKAL DEMİRDÖĞEN H. C. , Ozturkoglu-Budak S., BERELİ N., ÇİMEN D., AKGÖNÜLLÜ S.  
MLJEKARSTVO, cilt.72, sa.2, ss.77-87, 2022 (SCI İndekslerine Giren Dergi)
- III. Recent Advances in Quartz Crystal Microbalance Biosensors Based on the Molecular Imprinting Technique for Disease-Related Biomarkers**  
AKGÖNÜLLÜ S., ÖZGÜR E., DENİZLİ A.  
CHEMOSENSORS, cilt.10, sa.3, 2022 (SCI İndekslerine Giren Dergi)
- IV. Development of Gold Nanoparticles Decorated Molecularly Imprinted-Based Plasmonic Sensor for**

### **the Detection of Aflatoxin M1 in Milk Samples**

Akgönüllü S., Yavuz Alagöz H., Denizli A.

CHEMOSENSORS, cilt.9, sa.12, ss.363-393, 2021 (SCI Expanded İndekslerine Giren Dergi)

- V. **Microfluidic Systems for Cancer Diagnosis and Applications**  
Akgönüllü S., Bakhshpour M., Özden A. K., Denizli A.  
Micromachines, cilt.12, sa.11, ss.1349, 2021 (SCI Expanded İndekslerine Giren Dergi)
- VI. **Ion-imprinted-based nanochelators for iron(III) removal from synthetic gastric fluid**  
Sangu H. D., AKGÖNÜLLÜ S., DENİZLİ A.  
POLYMER BULLETIN, 2021 (SCI İndekslerine Giren Dergi)
- VII. **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 İndekslerine Giren Dergi)
- VIII. **Development of ion imprinted based magnetic nanoparticles for selective removal of arsenic (III) and arsenic (V) from wastewater**  
TÜRKMEN D., Turkmen M. O., AKGÖNÜLLÜ S., DENİZLİ A.  
SEPARATION SCIENCE AND TECHNOLOGY, 2021 (SCI İndekslerine Giren Dergi)
- IX. **Molecularly imprinted polymer film based plasmonic sensors for detection of ochratoxin A in dried fig**  
AKGÖNÜLLÜ S., ARMUTCU ÇORMAN C., DENİZLİ A.  
POLYMER BULLETIN, 2021 (SCI İndekslerine Giren Dergi)
- X. **Plasmonic Sensors for Monitoring Biological and Chemical Threat Agents**  
Saylan Y., Akgönüllü S., Denizli A.  
BIOSENSORS-BASEL, cilt.10, sa.10, ss.1-15, 2020 (SCI Expanded İndekslerine Giren Dergi)
- XI. **SPR nanosensor based on molecularly imprinted polymer film with gold nanoparticles for sensitive detection of aflatoxin B1**  
Akgönüllü S., Yavuz Alagöz H., Denizli A.  
TALANTA, cilt.219, ss.1-8, 2020 (SCI Expanded İndekslerine Giren Dergi)
- XII. **Biomimetic Nanoparticles Based Surface Plasmon Resonance Biosensors for Histamine Detection in Foods**  
Rahtuvanoglu A., AKGÖNÜLLÜ S., Karacan S., DENİZLİ A.  
CHEMISTRYSELECT, cilt.5, sa.19, ss.5683-5692, 2020 (SCI İndekslerine Giren Dergi)
- XIII. **Rapid and sensitive detection of synthetic cannabinoids JWH-018, JWH-073 and their metabolites using molecularly imprinted polymer-coated QCM nanosensor in artificial saliva**  
AKGÖNÜLLÜ S., Battal D., Yalcin M. S., Yavuz H., DENİZLİ A.  
Microchemical Journal, cilt.153, 2020 (SCI İndekslerine Giren Dergi)
- XIV. **Molecularly imprinted based surface plasmon resonance nanosensors for microalbumin detection**  
Esenturk M. K., AKGÖNÜLLÜ S., Yilmaz F., DENİZLİ A.  
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, cilt.30, sa.8, ss.646-661, 2019 (SCI İndekslerine Giren Dergi)
- XV. **Molecularly Imprinted Polymer Based Sensors for Medical Applications**  
SAYLAN Y., Akgonullu S., Yavuz H., ÜNAL S., DENİZLİ A.  
SENSORS, cilt.19, sa.6, 2019 (SCI İndekslerine Giren Dergi)
- XVI. **Surface plasmon resonance aptasensor for detection of human activated protein C**  
Koyun S., AKGÖNÜLLÜ S., Yavuz H., Erdem A., DENİZLİ A.  
TALANTA, cilt.194, ss.528-533, 2019 (SCI İndekslerine Giren Dergi)
- XVII. **Molecularly imprinted polymer based quartz crystal microbalance sensor system for sensitive and label-free detection of synthetic cannabinoids in urine**  
Battal D., AKGÖNÜLLÜ S., Yalcin M. S., Yavuz H., Denizli A.  
BIOSENSORS & BIOELECTRONICS, cilt.111, ss.10-17, 2018 (SCI İndekslerine Giren Dergi)
- XVIII. **Preparation of imprinted cryogel cartridge for chiral separation of l-phenylalanine**  
AKGÖNÜLLÜ S., Yavuz H., DENİZLİ A.

ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, cilt.45, sa.4, ss.800-807, 2017 (SCI İndekslerine Giren Dergi)

**XIX. Development of surface plasmon resonance sensors based on molecularly imprinted nanofilms for sensitive and selective detection of pesticides**

SAYLAN Y., AKGONULLU S., ÇİMEN D., DERAZSHAMSHIR A., BERELİ N., Yılmaz F., DENİZLİ A.

SENSORS AND ACTUATORS B-CHEMICAL, cilt.241, ss.446-454, 2017 (SCI İndekslerine Giren Dergi)

## **Diğer Dergilerde Yayınlanan Makaleler**

- I. Heavy Metal Ions Removal From Wastewater Using Cryogels: A Review**  
TÜRKMEN D., YÜCEL M., AKGÖNÜLLÜ S., AŞIR S., DENİZLİ A.  
Frontiers in Sustainability, cilt.3, 2022 (Diğer Kurumların Hakemli Dergileri)
- II. Synthesis of molecularly imprinted magnetic nanoparticles for selective cytidine adsorption**  
Ongun E., Akgönüllü S., Yavuz H., Denizli A.  
SEPARATION SCIENCE PLUS, cilt.4, sa.3, ss.147-156, 2021 (ESCI İndekslerine Giren Dergi)
- III. 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 (Diğer Kurumların Hakemli Dergileri)
- IV. Versatile polymeric cryogels and their biomedical applications Yazarlar**  
AKGÖNÜLLÜ S., Bakhshpour M., İDİL N., ANDAÇ A. M. , YAVUZ ALAGÖZ H., DENİZLİ A.  
Hacettepe Journal of Biology and Chemistry, cilt.48, sa.2, ss.99-118, 2020 (Diğer Kurumların Hakemli Dergileri)

## **Kitap & Kitap Bölümleri**

- I. Virus-Based Nanocarriers for Targeted Drug Delivery**  
AKGÖNÜLLÜ S., Bakhshpour M., SAYLAN Y., DENİZLİ A.  
Viral and Antiviral Nanomaterials Synthesis, Properties, Characterization, and Application, Devarajan Thangadurai, Saher Islam, Charles Oluwaseun Adetunji, Editör, CRC Press, Boca Raton, ss.173-191, 2022
- II. Nanosensors for medical diagnosis**  
Saylan Y., Akgönüllü S., Denizli A.  
Nanotechnology for Hematology, Blood Transfusion, and Artificial Blood, Adil Denizli, Tuan Anh Nguyen, Mariappan Rajan, Mohammad Feroz Alam, Khaliqur Rahman, Editör, Elsevier Science, Oxford/Amsterdam , Amsterdam, ss.195-213, 2022
- III. Preparation of Surface Plasmon Resonance Aptasensor for Human Activated Protein C Sensing**  
Akgönüllü S., Koyun S., Yavuz Alagöz H., Erdem Gürsan K. A. , Denizli A.  
Biomedical Engineering Technologies. Methods in Molecular Biology, Ossandon M.R., Baker H., Rasooly A., Editör, Springer Nature, New York, ss.37-56, 2021
- IV. Plasmonic Sensors for Detection of Chemical and Biological Warfare Agents**  
Akgönüllü S., Saylan Y., Bereli N., Türkmen D., Yavuz Alagöz H., Denizli A.  
Plasmonic Sensors and their Applications, Prof. Dr. Adil Denizli, Editör, John Wiley & Sons, New York, ss.71-85, 2021
- V. Molecularly imprinted bionanomaterials and their biomedical applications**  
Akgönüllü S., Bakhshpour M., Denizli A.  
Bionanomaterials fundamentals and biomedical applications, Ravindra Pratap Singh, Kshitij RB Singh, Editör, Institute of Physics Publishing (IOP) , Bristol, ss.9-27, 2021
- VI. Molecularly Imprinted Based Sensors for Detection of Allergens**  
Akgönüllü S., Yavuz Alagöz H., Denizli A.  
Molecular Imprinting for Nanosensors and Other Sensing Applications, Prof. Dr. Adil DENİZLİ, Editör, Elsevier

Science, Oxford/Amsterdam , Amsterdam, ss.309-334, 2021

- VII. **Plasmonic Sensors for Detection of Chemical and Biological Warfare Agents**  
AKGÖNÜLLÜ S., SAYLAN Y., BERELİ N., TÜRKMEN D., YAVUZ ALAGÖZ H., DENİZLİ A.  
Plasmonic Sensors and their Applications, Adil Denizli, Editör, Wiley, Weinheim, ss.71-85, 2021
- VIII. **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
- IX. **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.  
Controlled Release of Pesticides for Sustainable Agriculture, Rakhimol K. R., Sabu Thomas, Tatiana Volova Jayachandran K, Editör, Springer, London/Berlin , Zürich, ss.207-235, 2019
- X. **SURFACE PLASMON RESONANCE BASED SENSORS FOR ALLERGENS DETECTION**  
AKGÖNÜLLÜ S., YAVUZ ALAGÖZ H., DENİZLİ A.  
AFFINITY SENSORS, DENİZLİ A., Editör, PALME DİZGİ GRAFİK BİRİMİ, Ankara, ss.151-162, 2019
- XI. **MASS TRANSFER IN CRYOGELS**  
BATTAL D., AKGÖNÜLLÜ S., ÇİMEN D., SAYLAN Y., ASLIYÜCE ÇOBAN S., DENİZLİ A.  
CRYOGELS AND MONOLITHS, MATTIASSON B., DENİZLİ A., Editör, PALME DİZGİ-GRAFİK BİRİMİ, Ankara, ss.181-188, 2019
- XII. **SENSORS APPLICATIONS OF METAL NANOPARTICLES**  
AKGÖNÜLLÜ S., YAVUZ ALAGÖZ H., DENİZLİ A.  
PARTICULATE TECHNOLOGY AND APPLICATIONS, TUNCEL A., YAVUZ H., Editör, PALME DİZGİ GRAFİK BİRİMİ, Ankara, ss.205-215, 2019
- XIII. **Bacterial cellulose nanofibers for efficient removal of Hg<sup>2+</sup> from aqueous solutions**  
Irmak E. T. , Türkmen D., Akgönüllü S., Qureshii T., Denizli A.  
Nanotechnology for Sustainable Water Resources, Ajay Kumar Mishra, Chaudhery Mustansar Hussain, Editör, John Wiley & Sons, West Sussex, UK , New-Jersey, ss.501-522, 2018
- XIV. **Bacterial cellulose nanofibers for efficient removal of Hg<sup>2+</sup> from aqueous solutions**  
TAMAHKAR IRMAK E., TÜRKMEN D., AKGÖNÜLLÜ S., QURESHI T., DENİZLİ A.  
Nanotechnology for Sustainable Water Resources, Ajay Kumar Mishra, Chaudhery Mustansar Hussain, Editör, John Wiley Sons, Inc., ss.501-522, 2018
- XV. **Surface plasmon resonance based nanosensors for detection of triazinic pesticides in agricultural foods**  
YILMAZ F., SAYLAN Y., AKGÖNÜLLÜ S., ÇİMEN D., DERAZSHAMSHİR A., BERELİ N., DENİZLİ A.  
New Pesticides and Soil Sensors, Alexandru Mihai Grumezescu, Editör, Academic Press, ss.679-718, 2017

## **Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar**

- I. **DETECTION OF AFLATOXIN B1 USING AV MOLECULARLY IMPRINTED POLYMER-COATED OPTIC SENSOR**  
AKGÖNÜLLÜ S., YAVUZ ALAGÖZ H., DENİZLİ A.  
8th Graduate Student Symposium on Molecular Imprinting, 28 - 30 Ağustos 2019

## **Etkinlik Organizasyonlarındaki Görevler**

Akgönüllü S., 20. Kromatografi Kongresi, Bilimsel Kongre / Sempozyum Organizasyonu, Ankara, Türkiye, Şubat 2022

## **Atıflar**

Toplam Atıf Sayısı (WOS):321

h-indeksi (WOS):8