

## Asst. Prof. RECEP ÜZEK

### Personal Information

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### Education Information

Doctorate, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Bölümü/Fizikokimya Abd, Turkey 2011 - 2017

Postgraduate, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Bölümü/ Fizikokimya Abd, Turkey 2009 - 2011

Undergraduate, Hacettepe Üniversitesi, Fen Fakültesi, Kimya Bölümü, Turkey 2004 - 2009

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Bisfenol a tanıma bölgelerine sahip moleküler baskılanmış polimerik kartuşların ve sensör sisteminin geliştirilmesi, Hacettepe Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2017

Postgraduate, Hidrofobik etkileşim kromatografisi ile plazmid dna saflaştırılması, Hacettepe Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2011

### Research Areas

Chemistry, Physical Chemistry, Natural Sciences

### Academic Titles / Tasks

Assistant Professor, Hacettepe University, Fen Fakültesi, Kimya Bölümü, 2020 - Continues

Research Assistant, Hacettepe University, Fen Fakültesi, Kimya Bölümü, 2010 - 2020

### Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Real-Time Detection of Fibrinogen via Imprinted Recognition Sites**  
ÇİMEN D., ÜZEK R., Gunaydin S., DENİZLİ A.  
CHEMISTRYSELECT, vol.6, no.35, pp.9435-9441, 2021 (Journal Indexed in SCI)
- II. **Nanocomposite as Visible Sensing Platform for Hg-2**  
Bal F. B. , Sari E., ÜZEK R., LOĞOĞLU E.  
IEEE SENSORS JOURNAL, vol.21, no.9, pp.10595-10602, 2021 (Journal Indexed in SCI)
- III. **Detection of Melamine by Using Fluorescent Nanocomposites with Specific Recognition Sites**  
ÜZEK R., Sari E., DENİZLİ A.

CHEMISTRYSELECT, vol.6, no.9, pp.2149-2155, 2021 (Journal Indexed in SCI)

- IV. **Optical-Based (Bio) Sensing Systems Using Magnetic Nanoparticles**  
ÜZEK R., Sari E., Merkoci A.  
MAGNETOCHEMISTRY, vol.5, no.4, 2019 (Journal Indexed in SCI)
- V. **A nitrocellulose paper strip for fluorometric determination of bisphenol A using molecularly imprinted nanoparticles**  
Uzek R., Sari E., ŞENEL S., DENİZLİ A., Merkoci A.  
Microchimica Acta, vol.186, no.4, 2019 (Journal Indexed in SCI Expanded)
- VI. **Paper Based Photoluminescent Sensing Platform with Recognition Sites for Tributyltin**  
Sari E., Uzek R., Merkoci A.  
ACS SENSORS, vol.4, no.3, pp.645-653, 2019 (Journal Indexed in SCI)
- VII. **Prism coupler-based sensor system for simultaneous screening of synthetic glucocorticosteroid as doping control agent**  
Sari E., ÜZEK R., DUMAN M., Alagoz H. Y. , DENİZLİ A.  
SENSORS AND ACTUATORS B-CHEMICAL, vol.260, pp.432-444, 2018 (Journal Indexed in SCI)
- VIII. **Detection of ciprofloxacin through surface plasmon resonance nanosensor with specific recognition sites**  
Sari E., ÜZEK R., DUMAN M., DENİZLİ A.  
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, vol.29, no.11, pp.1302-1318, 2018 (Journal Indexed in SCI)
- IX. **Synthesis of novel monolithic cartridges with specific recognition sites for extraction of melamine**  
DURŞUN E. M. , ÜZEK R., BERELİ N., ŞENEL S., DENİZLİ A.  
REACTIVE & FUNCTIONAL POLYMERS, vol.109, pp.33-41, 2016 (Journal Indexed in SCI)
- X. **Fabrication of surface plasmon resonance nanosensor for the selective determination of erythromycin via molecular imprinted nanoparticles**  
SARI E., ÜZEK R., DUMAN M., DENİZLİ A.  
TALANTA, vol.150, pp.607-614, 2016 (Journal Indexed in SCI)
- XI. **Synthesis of a specific monolithic column with artificial recognition sites for L-glutamic acid via cryo-crosslinking of imprinted nanoparticles**  
GOKTURK I., ÜZEK R., UZUN L., DENİZLİ A.  
ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, vol.44, no.4, pp.1133-1140, 2016 (Journal Indexed in SCI)
- XII. **HSA immobilized novel polymeric matrix as an alternative sorbent in hemoperfusion columns for bilirubin removal**  
KAVOSHCHIAN M., ÜZEK R., UYANIK S. A. , ŞENEL S., DENİZLİ A.  
REACTIVE & FUNCTIONAL POLYMERS, vol.96, pp.25-31, 2015 (Journal Indexed in SCI)
- XIII. **Molecularly imprinted surface plasmon resonance (SPR) based sensing of bisphenol A for its selective detection in aqueous systems**  
SHAIKH H., Sener G., MEMON N., BHANGER M. I. , NIZAMANI S. M. , ÜZEK R., DENİZLİ A.  
ANALYTICAL METHODS, vol.7, no.11, pp.4661-4670, 2015 (Journal Indexed in SCI)
- XIV. **Surface imprinting approach for preparing specific adsorbent for IgG separation**  
SAYLAN Y., ÜZEK R., UZUN L., DENİZLİ A.  
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, vol.25, no.9, pp.881-894, 2014 (Journal Indexed in SCI)
- XV. **Magnetic Nanoparticles for Plasmid DNA Purification through Hydrophobic Interaction Chromatography**  
ÜZEK R., Ozkara S., Gungunes H., UZUN L., ŞENEL S.  
SEPARATION SCIENCE AND TECHNOLOGY, vol.49, no.14, pp.2193-2203, 2014 (Journal Indexed in SCI)
- XVI. **Chiral recognition of proteins having L-histidine residues on the surface with lanthanide ion complex incorporated-molecularly imprinted fluorescent nanoparticles**  
UZUN L., ÜZEK R., ŞENEL S., Say R., DENİZLİ A.  
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.33, no.6, pp.3432-3439,

2013 (Journal Indexed in SCI)

- XVII. **Nanospines incorporation into the structure of the hydrophobic cryogels via novel cryogelation method: An alternative sorbent for plasmid DNA purification**

ÜZEK R., UZUN L., ŞENEL S., DENİZLİ A.

COLLOIDS AND SURFACES B-BIOINTERFACES, vol.102, pp.243-250, 2013 (Journal Indexed in SCI)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Preparation of Molecular Imprinted Nanoparticle for the Selective Determination of Ciprofloxacin with Surface Plasmon Resonance Sensor**

DUMAN M., Sari E., ÜZEK R., DENİZLİ A.

26th Anniversary World Congress on Biosensors 2016, 25 - 27 May 2016

- II. **Dondurarak Çapraz Bağlama ile Moleküler Baskılanmış Nanopartiküllerin Kriyo şekillendirilmesi**  
GÖKTÜRK BAŞAL I., ÜZEK R., UZUN L., DENİZLİ A.

15. Ulusal kromatografi Kongresi, Uşak, Turkey, 8 - 10 April 2015

## Supported Projects

ŞENEL S., Öztürk A. E., ÜZEK R., Project Supported by Higher Education Institutions, Selenyum Baskılı Mikropartikül Sentezi ve Karakterizasyonu, 2017 - 2019

ÜZEK R., TUBITAK Project, Moleküler Baskılanmış Floresan Nanopartiküllerin Hazırlanması, Karakterizasyonu ve Protein Tayininde Potansiyel Biyosensör Olarak Kullanımının İncelenmesi, 2012 - 2013

TUBITAK Project, Plazmid DNA Saflaştırılması İçin Manyetik Nanopartiküllerin Üretilmesi, 2009 - 2010

## Citations

Total Citations (WOS):200

h-index (WOS):9