

## Assoc. Prof. DENİZ TÜRKMEN

### Personal Information

Office Phone: [+90 312 297 6776](tel:+903122976776)

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

### Education Information

Doctorate, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya, Turkey 2005 - 2011

Postgraduate, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya, Turkey 2003 - 2005

Undergraduate, Hacettepe Üniversitesi, Fen Fakültesi, Kimya, Turkey 1998 - 2003

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, MONOSIZE POLY(GMA-MATrp) EMBEDDED POLY(HEMA) CRYOGELS FOR LYSOZYME PURIFICATION FROM EGG WHITE, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (Dr), 2011

Postgraduate, Cytochrome C purification with immobilized metal affinity chromatography (IMAC), Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), 2005

### Research Areas

Chemistry, Biochemistry, Protein Chemistry, Natural Sciences

### Academic Titles / Tasks

Associate Professor, Hacettepe Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2015 - Continues

Research Assistant, Hacettepe Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2006 - 2015

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

- I. **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 (Journal Indexed in SCI)
- II. **A dye-affinity cryogel membrane for malate dehydrogenase purification from *Saccharomyces cerevisiae***  
Hamade K., Gokturk I., BERELİ N., TÜRKMEN D., Elkak A., DENİZLİ A.  
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, vol.31, pp.38-52, 2020 (Journal Indexed in SCI)
- III. **Molecularly imprinted polymer integrated plasmonic nanosensor for cocaine detection**

ÖZGÜR E., SAYLAN Y., BERELİ N., TÜRKMEN D., DENİZLİ A.

Journal of Biomaterials Science, Polymer Edition, 2020 (Journal Indexed in SCI)

- IV. **Plastic antibody based surface plasmon resonance nanosensors for selective atrazine detection**  
Yilmaz E., ÖZGÜR E., BERELİ N., TÜRKMEN D., DENİZLİ A.  
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.73, pp.603-610, 2017  
(Journal Indexed in SCI)
- V. **Poly-(L)-histidine immobilized cryogels for lysozyme purification**  
ÇİMEN D., Tuerkmen D., DENİZLİ A.  
Adsorption Science and Technology, vol.34, pp.469-487, 2016 (Journal Indexed in SCI Expanded)
- VI. **Poly-L-Histidine Attached Poly(glycidyl methacrylate) Cryogels for Heavy Metal Removal**  
ÇİMEN D., TÜRKMEN D., DENİZLİ A.  
JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY, vol.52, no.9, pp.724-731,  
2015 (Journal Indexed in SCI)
- VII. **Dye affinity cryogels for plasmid DNA purification**  
ÇİMEN D., YILMAZ F., Perçin I., TÜRKMEN D., DENİZLİ A.  
Materials Science and Engineering C, vol.56, pp.318-324, 2015 (Journal Indexed in SCI)
- VIII. **Megaporous poly(hydroxy ethylmethacrylate) based poly(glycidylmethacrylate-N-methacryloyl-(L)-tryptophan) embedded composite cryogel**  
TÜRKMEN D., BERELİ N., Derazshamshir A., Percin I., SHAIKH H., Yilmaz F.  
COLLOIDS AND SURFACES B-BIOINTERFACES, vol.130, pp.61-68, 2015 (Journal Indexed in SCI)
- IX. **Dye-attached magnetic poly(hydroxyethyl methacrylate) nanospheres for albumin depletion from human plasma**  
GOKAY O., KARAKOC V., Andac M., TÜRKMEN D., DENİZLİ A.  
ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, vol.43, no.1, pp.62-70, 2015 (Journal Indexed in SCI)
- X. **Cryogels for Affinity Chromatography**  
BERELİ N., TÜRKMEN D., Yavuz H., Galaev I. Y. , DENİZLİ A.  
ADVANCED SEPARATIONS BY SPECIALIZED SORBENTS, vol.108, pp.39-67, 2015 (Journal Indexed in SCI)
- XI. **PHEMA based composite cryogels with loaded hydrophobic beads for lysozyme purification**  
TÜRKMEN D., DENİZLİ A.  
COLLOIDS AND SURFACES B-BIOINTERFACES, vol.123, pp.859-865, 2014 (Journal Indexed in SCI)
- XII. **Molecular imprinted magnetic nanoparticles for controlled delivery of mitomycin C**  
TÜRKMEN D., BERELİ N., CORMAN M. E. , SHAIKH H., AKGÖL S., DENİZLİ A.  
ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, vol.42, no.5, pp.316-322, 2014 (Journal Indexed in SCI)
- XIII. **Glutamic acid containing supermacroporous poly( hydroxyethyl methacrylate) cryogel disks for UO22+ removal**  
BERELİ N., TÜRKMEN D., KOSE K., DENİZLİ A.  
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.32, no.7, pp.2052-2059,  
2012 (Journal Indexed in SCI)
- XIV. **PHEMA cryogel for in-vitro removal of anti-dsDNA antibodies from SLE plasma**  
ÖZGÜR E., BERELİ N., TÜRKMEN D., ÜNAL S., DENİZLİ A.  
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.31, no.5, pp.915-920,  
2011 (Journal Indexed in SCI)
- XV. **Hemoglobin binding from human blood hemolysate with poly(glycidyl methacrylate) beads**  
Altintas E. B. , TÜRKMEN D., Karakoc V., DENİZLİ A.  
COLLOIDS AND SURFACES B-BIOINTERFACES, vol.85, no.2, pp.235-240, 2011 (Journal Indexed in SCI)
- XVI. **Efficient Removal of Bilirubin from Human Serum by Monosize Dye Affinity Beads**  
Altintas E. B. , TÜRKMEN D., Karakoc V., DENİZLİ A.  
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, vol.22, no.7, pp.957-971, 2011 (Journal Indexed in SCI)
- XVII. **Performance of Protein-A-Based Affinity Membranes for Antibody Purification**  
UZUN L., TÜRKMEN D., KARAKOC V., Yavuz H., DENİZLİ A.

JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, vol.22, no.17, pp.2325-2341, 2011 (Journal Indexed in SCI)

- XVIII. **High Capacity Removal of Mercury(II) Ions by Poly(Hydroxyethyl Methacrylate) Nanoparticles**  
TÜRKMEN D., Ozturk N., Akgol S., DENİZLİ A.  
ENVIRONANOTECHNOLOGY, pp.23-38, 2010 (Journal Indexed in SCI)
- XIX. **Poly(hydroxyethyl methacrylate) nanobeads containing imidazole groups for removal of Cu(II) ions**  
TÜRKMEN D., Yilmaz E., Ozturk N., Akgol S., DENİZLİ A.  
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.29, no.6, pp.2072-2078, 2009 (Journal Indexed in SCI)
- XX. **Selective separation of human serum albumin with copper(II) chelated poly(hydroxyethyl methacrylate) based nanoparticles**  
Karakoc V., Yilmaz E., TÜRKMEN D., Ozturk N., Akgol S., DENİZLİ A.  
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.45, no.2, pp.188-193, 2009 (Journal Indexed in SCI)
- XXI. **Cysteine functionalized poly(hydroxyethyl methacrylate) monolith for heavy metal removal**  
UZUN L., TÜRKMEN D., Yilmaz E., Bektas S., DENİZLİ A.  
COLLOIDS AND SURFACES A-PHYSCOCHEMICAL AND ENGINEERING ASPECTS, vol.330, pp.161-167, 2008 (Journal Indexed in SCI)
- XXII. **Phenylalanine containing hydrophobic nanospheres for antibody purification**  
Tuerkmen D., DENİZLİ A., Oeztuerk N., Akgoel S., Elkak A.  
Biotechnology Progress, vol.24, no.6, pp.1297-1303, 2008 (Journal Indexed in SCI Expanded)
- XXIII. **Synthesis of cholesterol imprinted polymeric particles**  
Yavuz H., KARAKOC V., Turkmen D., SAY R., Denizli A.  
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.41, no.1, pp.8-15, 2007 (Journal Indexed in SCI)
- XXIV. **Synthesis of tentacle type magnetic beads as immobilized metal chelate affinity support for cytochrome c adsorption**  
TURKMEN D., Yavuz H., DENIZLI A.  
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.38, no.2, pp.126-133, 2006 (Journal Indexed in SCI)
- XXV. **Ion-selective imprinted superporous monolith for cadmium removal from human plasma**  
AŞIR S., Uzun L., Turkmen D., SAY R., Denizli A.  
SEPARATION SCIENCE AND TECHNOLOGY, vol.40, no.15, pp.3167-3185, 2005 (Journal Indexed in SCI)
- XXVI. **Cu(II)-incorporated, histidine-containing, magnetic-metal-complexing beads as specific sorbents for the metal chelate affinity of albumin**  
Akgol S., Turkmen D., Denizli A.  
Journal of Applied Polymer Science, vol.93, no.6, pp.2669-2677, 2004 (Journal Indexed in SCI Expanded)

## Articles Published in Other Journals

- I. **Magnetic Nanoparticles and Their Biomedical Applications**  
Çetin K., Denizli F., Yavuz Alagöz H., Qureshi T., Türkmen D., Denizli A.  
Hacettepe Journal of Biology and Chemistry, vol.47, no.2, pp.143-152, 2019 (National Refreed University Journal)
- II. **DNA Purification by Solid Phase Extraction SPE Methods**  
TOPÇU A. A. , AŞIR S., TÜRKMEN D.  
Hacettepe Journal of Biology and Chemistry, vol.3, pp.259, 2016 (Refereed Journals of Other Institutions)
- III. **Phanerochaete Chrysosporium Loaded Cryogel Column for Biosorption of Mercury from Aqueous Solution**  
ÇETİN K., TÜRKMEN D., QURESHİ T., SAĞLAM N., DENİZLİ A.  
Hacettepe Journal of Biology and Chemistry, vol.1, pp.77-86, 2016 (Refereed Journals of Other Institutions)

- IV. **Adsorption of BSA on Metal Loaded Monosize p GMA Microspheres**  
Evrin Banu A., Kartal F., TÜRKMEN D., Ali D., DENİZLİ A.  
Hacettepe Journal of Biology and Chemistry, vol.43, pp.225-233, 2015 (Refereed Journals of Other Institutions)
- V. **Thermosensitive poly N isopropylacrylamide based cryogel A SAXS study**  
Veyis K., Elif Hilal Ş., İDE S., TÜRKMEN D., Rabel S., DENİZLİ A.  
Hacettepe Journal of Biology Chemistry, vol.42, pp.237-249, 2014 (Refereed Journals of Other Institutions)
- VI. **Synthesis and Characterization of Poly N isopropylacrylamide Thermosensitive Based Cryogel**  
Veyis K., TÜRKMEN D., Huma S., BERELİ N., DENİZLİ A.  
Hacettepe Journal of Biology and Chemistry, vol.41, pp.159-166, 2013 (Refereed Journals of Other Institutions)
- VII. **Poly hydroxyethyl methacrylate Nanoparticles for Environmental Applications**  
TÜRKMEN D., Veyis K., UZUN L., ÖZTÜRK ATAY N., AKGÖL S., DENİZLİ A.  
Hacettepe Journal of Biology and Chemistry, vol.37, pp.157-168, 2009 (Refereed Journals of Other Institutions)
- VIII. **Ion Imprinted Thermosensitive Polymers for Fe<sup>3</sup> Removal from Human Plasma**  
Seçil U., YILMAZ E., TÜRKMEN D., UZUN L., SAY R., DENİZLİ A.  
Hacettepe Journal of Biology and Chemistry, vol.36, pp.291-304, 2008 (Refereed Journals of Other Institutions)
- IX. **Poly acrylamide allyl glycidyl ether Cryogel as a Novel Stationary Phase for Chlorophenol Adsorption**  
ENGİN B., UZUN L., TÜRKMEN D., YILMAZ E., IGOR YU G., DENİZLİ A., BEKTAŞ F. S.  
Hacettepe Journal of Biology and Chemistry, vol.35, pp.219-231, 2007 (Refereed Journals of Other Institutions)

## Books & Book Chapters

- I. **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.  
in: Nanotechnology for Sustainable Water Resources, Ajay Kumar Mishra,Chaudhery Mustansar Hussain, Editor,  
John Wiley & Sons, West Sussex, UK , New-Jersey, pp.501-522, 2018
- II. **Cryogels for Affinity Chromatography**  
BERELİ N., TÜRKMEN D., YAVUZ ALAGÖZ H., IGOR YURİ G., DENİZLİ A.  
in: Advanced Separations by Specialized Sorbents, Ecaterina Stela Dragan, Editor, CRC Press, 2015

## Refereed Congress / Symposium Publications in Proceedings

- I. **Antibiyotik Baskılanmış Monolitik Kolonlar**  
AĞLAMAZ M. D. , TOPÇU A. A. , TÜRKMEN D., DENİZLİ A.  
17. Kromatografi Kongresi, Çorum, Turkey, 20 - 22 September 2017
- II. **Saccharomyces cerevisiae'den Malat Dehidrogenaz Saflaştırılması için Biya-Afinite Kriyojel Diskler**  
Hamade A., BERELİ N., TOPÇU A. A. , TÜRKMEN D., Elkak A., DENİZLİ A.  
11. Ulusal Afinite Teknikleri Kongresi, Aydın, Turkey, 15 June - 17 July 2017
- III. **Phanerochate chryso sporium Gömülü Kriyojel Kolonlarla Hg II Biyosorpsiyonu**  
TÜRKMEN D., SAĞLAM N., DENİZLİ A.  
14. Ulusal Kromatografi Kongresi, Turkey, 12 - 15 May 2014

## Supported Projects

TÜRKMEN D., Akgönüllü S., BERELİ N., Project Supported by Higher Education Institutions, Melamin Baskılanmış Polimerik Kartuşlar, 2017 - 2019

DENİZLİ A., YAVUZ ALAGÖZ H., BERELİ N., TÜRKMEN D., Project Supported by Higher Education Institutions, Diklofenak Baskılanmış Sensörlerin Hazırlanması ve Diklofenak Tayininde Kullanımının Araştırılması, 2017 - 2019

BERELİ N., DENİZLİ A., TÜRKMEN D., Project Supported by Higher Education Institutions, Histidin Miktarının Tayinine Yönelik Kuvars Kristal Miktoterazi QCM Biyosensörlerin Hazırlanması, 2017 - 2017  
TÜRKMEN D., Project Supported by Higher Education Institutions, Lizozim Safaştırılması için PoliLHistidin Kriyojeller, 2017 - 2017  
TÜRKMEN D., Project Supported by Higher Education Institutions, Romatoid Faktör (IgM) Tayini için Yüzey Plazmon Temelli Biyosensörlerin Hazırlanması Karakterizasyonu, 2015 - 2017

## **Citations**

Total Citations (WOS):501

h-index (WOS):14