

Res. Asst. PhD ILGİM GÖKTÜRK BAŞAL

Personal Information

Office Phone: [+90 312 297 7963](tel:+903122977963)

Email: ilgim@hacettepe.edu.tr

Education Information

Doctorate, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Nanoteknoloji Ve Nanotıp, Turkey 2011 - 2016

Post Graduate, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Nanoteknoloji Ve Nanotıp, Turkey 2008 - 2011

Under Graduate, Hacettepe Üniversitesi, Fen Fakültesi, Biyoloji, Turkey 2004 - 2008

Dissertations

Doctorate, Bakteriyel selüloz nanofiberler ile protein uzaklaştırılması, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Nanoteknoloji Ve Nanotıp Anabilim Dalı (Disiplinlerarası), 2016

Research Areas

Chemistry, Natural Sciences

Academic Titles / Tasks

Research Assistant, Hacettepe Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2016 - Continues

Research Assistant, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Nanoteknoloji Ve Nanotıp Anabilim Dalı (Disiplinlerarası), 2009 - 2016

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

- I. **Magnetic bacterial cellulose nanofibers for nucleoside recognition**
SAYLAN Y., GÖKTÜRK BAŞAL I., Pospiskova K., Safarik I., DENİZLİ A.
CELLULOSE, 2020 (Journal Indexed in SCI)
- II. **Molecularly imprinted cryogel cartridges for the selective recognition of tyrosine**
Bakshpour M., GÖKTÜRK BAŞAL I., BERELİ N., DENİZLİ A.
BIOTECHNOLOGY PROGRESS, 2020 (Journal Indexed in SCI)
- III. **Electrochromatographic separation of hydrophobic amino acid enantiomers by molecularly imprinted capillary columns**
Sarkaya K., Asir S., GÖKTÜRK BAŞAL I., YILMAZ F., Yavuz H., DENİZLİ A.
PROCESS BIOCHEMISTRY, vol.92, pp.69-77, 2020 (Journal Indexed in SCI)
- IV. **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, 2019 (Journal Indexed in SCI)
- V. **Polymethacryloyl-L-Phenylalanine [PMAPA]-Based Monolithic Column for Capillary**

Electrochromatography

Derazshamshir A., Asir S., GÖKTÜRK BAŞAL I., Ektirici S., YILMAZ F., DENİZLİ A.

JOURNAL OF CHROMATOGRAPHIC SCIENCE, vol.57, pp.758-765, 2019 (Journal Indexed in SCI)

VI. Rapid sensing of Cu²⁺ in water and biological samples by sensitive molecularly imprinted based plasmonic biosensor

SAFRAN V., Gokturk I., Derazshamshir A., YILMAZ F., SAĞLAM N., DENİZLİ A.

MICROCHEMICAL JOURNAL, vol.148, pp.141-150, 2019 (Journal Indexed in SCI)

VII. Phenol removal from wastewater by surface imprinted bacterial cellulose nanofibres

Derazshamshir A., Gokturk I., Tamahkar E., YILMAZ F., SAĞLAM N., DENİZLİ A.

ENVIRONMENTAL TECHNOLOGY, 2019 (Journal Indexed in SCI)

VIII. Protein depletion with bacterial cellulose nanofibers

Gokturk I., Tamahkar E., Yilmaz F., DENİZLİ A.

JOURNAL OF CHROMATOGRAPHY B-ANALYTICAL TECHNOLOGIES IN THE BIOMEDICAL AND LIFE SCIENCES, vol.1099, pp.1-9, 2018 (Journal Indexed in SCI)

IX. Poly(vinyl alcohol)/polyethyleneimine (PVA/PEI) blended monolithic cryogel columns for the depletion of haemoglobin from human blood

Göktürk I., Derazshamshir A., Yılmaz F., DENİZLİ A.

Separation Science and Technology (Philadelphia), vol.51, pp.1787-1797, 2016 (Journal Indexed in SCI)

X. Removal of iron by chelation with molecularly imprinted supermacroporous cryogel.

ÇİMEN D., Göktürk I., YILMAZ F.

Artificial cells, nanomedicine, and biotechnology, vol.44, pp.1158-66, 2016 (Journal Indexed in SCI Expanded)

XI. Catalase purification from rat liver with iron-chelated poly(hydroxyethyl methacrylate-N-methacryloyl-(L)-glutamic acid) cryogel discs

Gokturk I., Percin I., DENİZLİ A.

PREPARATIVE BIOCHEMISTRY & BIOTECHNOLOGY, vol.46, pp.602-609, 2016 (Journal Indexed in SCI)

XII. 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, pp.1133-1140, 2016 (Journal Indexed in SCI)

XIII. Characterization and cellular interaction of fluorescent-labeled PHEMA nanoparticles

Gokturk I., Karakoc V., ONUR M. A. , DENİZLİ A.

ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, vol.41, pp.78-84, 2013 (Journal Indexed in SCI)

Articles Published in Other Journals

I. Separation of histidine enantiomers by capillary electrochromatography with molecularly imprinted monolithic columns

Sarkaya K., Asir S., GÖKTÜRK BAŞAL I., Ektirici S., YILMAZ F., Yavuz H., DENİZLİ A.

SEPARATION SCIENCE PLUS, vol.3, pp.235-245, 2020 (Journal Indexed in ESCI)

II. Separation of D,L-Ampicillin by ligand exchange-micellar electrokinetic chromatography

Sarı D., DERAZSHAMSHIR A., AŞIR S., GÖKTÜRK BAŞAL I., YILMAZ F., DENİZLİ A.

BIOINTERFACE RESEARCH IN APPLIED CHEMISTRY, vol.9, pp.4522-4533, 2019 (Journal Indexed in ESCI)

Books & Book Chapters

I. Cryogels for protein purification and depletion

GÖKTÜRK BAŞAL I., Bakhshpour M., YILMAZ F., KARTAL ERSOY F., BERELİ N., DENİZLİ A.

in: Cryogels and Monoliths, Bo Mattiasson, Adil Denizli, Editor, Hacettepe Üniversitesi, Ankara, pp.95-118, 2018

Refereed Congress / Symposium Publications in Proceedings

- I. **KAPILER ELEKTROKROMATOGRAFI İÇİN POLİMETAKRİLOİL-LFENİLALANIN [PMAPA]-TABANLI MONOLİTİK KOLON**
DERAZSHAMSHIR A., AŞIR S., GÖKTÜRK BAŞAL I., EKTİRİCİ S., YILMAZ F., DENİZLİ A.
13.ULUSAL AFİNİTE TEKNİKLERİ KONGRESİ, Turkey, 4 - 06 September 2019
- II. **SÜPERMAKROGÖZENEKLI KRIYOJELLER İLE KOLESTEROL UZAKLAŞTIRILMASI,**
GÖKTÜRK BAŞAL I., SAYLAN Y., ÖZSEVGİÇ M., YILMAZ F., YAVUZ ALAGÖZ H., DENİZLİ A.
13.ULUSAL AFİNİTE TEKNİKLERİ KONGRESİ, Turkey, 4 - 06 September 2019
- III. **Separation of D,L-ampicillin by Ligand Exchange-Micellar Electrokinetic Chromatography**
AŞIR S., GÖKTÜRK BAŞAL I., derazshamshir A., Sarı D., Ektirici S., TOPÇU A. A. , DENİZLİ A.
18. Uluslararası Katılımlı Kromatografi Kongresi, İstanbul, Turkey, 15 - 18 November 2018
- IV. **Bakteriyel Selüloz Nanofiberler ile Protein Uzaklaştırılması**
GÖKTÜRK BAŞAL I., TAMAHKAR IRMAK E., YILMAZ F., DENİZLİ A.
17. Kromatografi Kongresi, Turkey, 20 - 22 September 2017
- V. **Development of Molecularly Imprinted Surface Plasmon Resonance Sensor for Albumin Detection**
SAYLAN Y., GÖKTÜRK BAŞAL I., YILMAZ F., DENİZLİ A.
BIOMED 2017, 12 - 14 May 2017
- VI. **Poly vinyl alcohol polyethyleneimine PVA PEI blended monolithic cryogelcolumns for the depletion of haemoglobin from human blood**
PERÇİN DEMİRÇELİK I., GÖKTÜRK BAŞAL I., DENİZLİ A.
10. Ulusal Afinite Teknikleri Kongresi, Turkey, 26 May 2016
- VII. **BOYA LİGAND AFİNİTE KRIYOJELLER İLE SACCHAROMYCES CEREVISIAE DEN MALAT DEHİDROGENAZ ENZİMİNİN SAFLAŞTIRILMASI**
PERÇİN DEMİRÇELİK I., GÖKTÜRK BAŞAL I., DENİZLİ A.
10. Ulusal afinite teknikleri kongresi, Turkey, 26 May 2016
- VIII. **Determination of Bupivacaine on Quartz Crystal Microbalance Based Nanosensors**
TAN G., SAYLAN Y., GÖKTÜRK BAŞAL I., YILMAZ F., DENİZLİ A.
2. Uluslararası Biyosensör kongresi, İzmir, 10 - 12 June 2015
- IX. **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

SAYLAN Y., GÖKTÜRK BAŞAL I., Project Supported by Higher Education Institutions, Moleküler Baskılanmış Manyetik Bakteriyel Selüloz Nanofiberler ile Nükleozid Saflaştırılması, 2018 - 2019
PERÇİN DEMİRÇELİK I., BAYDEMİR PEŞİNT G., GÖKTÜRK BAŞAL I., Project Supported by Higher Education Institutions, Katalaz Enzimine Afinite Gösteren Kriyojel Disklerin Hazırlanması, 2015 - 2015

Citations

Total Citations (WOS):44

h-index (WOS):5