

Res. Asst. PhD AYŞE ASLIHAN GÖKALTUN

Personal Information

Office Phone: [+90 312 297 7402](tel:+903122977402) Extension: 123

Email: asbay@hacettepe.edu.tr

Education Information

Doctorate, Hacettepe Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği, Turkey 2009 - 2014

Postgraduate, Hacettepe Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği, Turkey 2007 - 2009

Undergraduate, Hacettepe Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği, Turkey 2003 - 2007

Dissertations

Doctorate, Synthesis and Characterization of New Monolithic Stationary Phases For Capillary Electrochromatography, Hacettepe Üniversitesi, Mühendislik Fakültesi, 2014

Research Areas

Chemical Engineering and Technology, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Harvard University, Center For Engineering In Medicine, 2016 - 2017

Courses

KMU 480 Enerji Teknolojileri, Undergraduate, 2017 - 2018

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

- I. **A microfluidic 3D hepatocyte chip for hepatotoxicity testing of nanoparticles**
Li L., Gokduman K., Gokaltun A., Yarmush M. L. , Usta O. B.
NANOMEDICINE, vol.14, no.16, pp.2209-2226, 2019 (Journal Indexed in SCI)
- II. **Simple Surface Modification of Poly(dimethylsiloxane) via Surface Segregating Smart Polymers for Biomicrofluidics**
Gokaltun A., Kang Y. B. (., Yarmush M. L. , Usta O. B. , Asatekin A.
SCIENTIFIC REPORTS, vol.9, 2019 (Journal Indexed in SCI)
- III. **Organic polymer-based monolithic capillary columns and their applications in food analysis**
AYDOĞAN C., Gokaltun A., DENİZLİ A., El-Rassi Z.
JOURNAL OF SEPARATION SCIENCE, vol.42, no.5, pp.962-979, 2019 (Journal Indexed in SCI)
- IV. **Post-polymerization modification of a new reactive monolith for reversed phase and hydrophilic interaction capillary electrochromatography of neutral, polar, and biologically active compounds**

Gokaltun A., Tuncel A.

POLYMERS FOR ADVANCED TECHNOLOGIES, vol.29, no.7, pp.2110-2120, 2018 (Journal Indexed in SCI)

V. **Biochromatographic applications of polymethacrylate monolithic columns used in electro- and liquid phase-separations**

AYDOĞAN C., Gokaltun A., DENİZLİ A., El Rassi Z.

JOURNAL OF LIQUID CHROMATOGRAPHY & RELATED TECHNOLOGIES, vol.41, no.10, pp.572-582, 2018 (Journal Indexed in SCI)

VI. **Octadecylamine-attached poly(3-chloro-2-hydroxypropyl methacrylate-co-ethylene dimethacrylate) microspheres as a new stationary phase for microbore reversed phase chromatography**

Gokaltun A., Celebi B., Tuncel A.

ANALYTICAL METHODS, vol.6, no.15, pp.5712-5719, 2014 (Journal Indexed in SCI)

VII. **Preparation of an Electrochromatographic Stationary Phase Using a New Polymethacrylate Monolith with Chloropropyl Functionality**

Gokaltun A., Aydoğan C., Celebi B., DENİZLİ A., Tuncel A.

CHROMATOGRAPHIA, vol.77, pp.459-469, 2014 (Journal Indexed in SCI)

VIII. **Polyethylenimine attached-poly(3-chloro-2-hydroxypropyl methacrylate-co-ethylene dimethacrylate) monosized-porous microspheres as a new separation medium for polar compounds**

Celebi B., Gokaltun A., Arman E., Evirgen O. A. , Tuncel A.

COLLOIDS AND SURFACES A-PHYSICO-CHEMICAL AND ENGINEERING ASPECTS, vol.441, pp.629-637, 2014 (Journal Indexed in SCI)

IX. **Comparison of activity behaviors of particle based and monolithic immobilized enzyme reactors operated in semi-micro-liquid chromatography system**

Celebi B., Gokaltun A., Tuncel A.

SEPARATION AND PURIFICATION TECHNOLOGY, vol.118, pp.294-299, 2013 (Journal Indexed in SCI)

Articles Published in Other Journals

I. **Recent advances in nonbiofouling PDMS surface modification strategies applicable to microfluidic technology**

Gokaltun A., Yarmush M. L. , Asatekin A., Usta O. B.

TECHNOLOGY, vol.5, no.1, pp.1-12, 2017 (Journal Indexed in ESCI)

Supported Projects

GÖKALTUN A. A. , Project Supported by Higher Education Institutions, Aktif olarak kontrol edilebilen in vitro karaciğer için yeni nesil mikroakışkan platformlar, 2016 - 2017

AKSU Z., GÖKALTUN A. A. , Project Supported by Higher Education Institutions, Müdek Akreditasyonu Sürecinde Hacettepe Üniversitesi Kimya Mühendisliği Bölümü'nün Eğitim Alt Yapısının İyileştirilmesi, 2015 - 2017

Citations

Total Citations (WOS):75

h-index (WOS):5