

Assoc. Prof. İLKNUR DURUKAN TEMUGE

Personal Information

Office Phone: [+90 312 780 6172](tel:+903127806172)

Office Phone: [+90 312 297 7800](tel:+903122977800) Extension: 125

Email: ilknurt@hacettepe.edu.tr

Address: hacettepe üniversitesi çevre mühendisliği bölümü beytepe kampüsü 06800 çankaya ankara

Education Information

Doctorate, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Bölümü, Turkey 2005 - 2012

Postgraduate, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Bölümü, Turkey 2002 - 2005

Undergraduate, Hacettepe Üniversitesi, Fen Fakültesi, Kimya Bölümü, Turkey 1997 - 2001

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Analysis of atmospheric aerosol samples with spectrometric methods, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (Dr), 2012

Postgraduate, Preconcentration of lead by on-line solid-phase extraction using a PTFE packed column and flame atomic absorption spectrometry, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), 2005

Research Areas

Environmental Engineering, Environmental Sciences, Environmental Chemistry, Environmental Technology, Air Pollution and Control, Particle Control, Water Pollution and Control, Soil and Groundwater Pollution and Control, Life Sciences, Environmental Biology, Environmental Pollution, Chemistry, Analytical Chemistry, Adsorption Spectroscopy, Atomic Mass Spectrometry, Separation Methods, Emission Spectroscopy, Food Analysis, Infrared Spectroscopy, Microchemical Analysis, Sample preparation, Spectroscopical Methods, Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Hacettepe University, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, 2016 - Continues

Assistant Professor, Hacettepe University, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, 2015 - 2019

Expert, Hacettepe University, Fen Fakültesi, Kimya Bölümü, 2012 - 2015

Research Assistant, Hacettepe University, Fen Fakültesi, Kimya Bölümü, 2006 - 2012

Courses

Instrumental Analysis, Undergraduate, 2017 - 2018

ENVIRONMENTAL CHEMISTRY LABORATORY, Undergraduate, 2016 - 2017, 2017 - 2018
ENVIRONMENTAL CHEMISTRY 2, Undergraduate, 2016 - 2017, 2017 - 2018
BASIC WATER CHEMISTRY, Doctorate, 2016 - 2017, 2017 - 2018
ENVIRONMENTAL CHEMISTRY 1, Undergraduate, 2018 - 2019
CEV210 Environmental Microbiology Laboratory, Undergraduate, 2016 - 2017

Advising Theses

DURUKAN TEMUGE İ., BİYOKÜTLENİN POLİMERLERLE KO-PIROLİZİ, Postgraduate, E.AKALIN(Student), 2017
DURUKAN TEMUGE İ., SU ÖRNEKLERİNDE KATILAŞTIRILMIŞ YÜZEN ORGANİK DAMLA MİKROEKSTRAKSİYONU YÖNTEMİYLE KOBALT TAYİNİ, Postgraduate, M.ÜNALDI(Student), 2017
DURUKAN TEMUGE İ., PRECONCENTRATION OF TRACE HEAVY METAL IONS IN TEXTILES AND DETERMINATION BY FLAME ATOMIC ABSORPTION SPECTROMETER, Doctorate, S.KESEKLER(Student), 2015
DURUKAN TEMUGE İ., PRECONCENTRATION OF TRACE HEAVY METAL IONS IN COSMETICS AND DETERMINATION BY FLAME ATOMIC ABSORPTION SPECTROMETER, Doctorate, M.YAHYA(Student), 2015

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

- I. **Determination of prohibited lead and cadmium traces in hair dyes and henna samples using ultrasound assisted-deep eutectic solvent-based liquid phase microextraction followed by microsampling-flame atomic absorption spectrometry**
Yahya M., Kesekler S., DURUKAN TEMUGE İ., ARPA ÇALIŞIR Ç.
ANALYTICAL METHODS, vol.13, no.8, pp.1058-1068, 2021 (Journal Indexed in SCI)
- II. **An application of coacervate-based extraction for the separation and preconcentration of cadmium, lead, and nickel ions prior to their determination by flame atomic absorption spectrometry in various water samples.©Tübitak.**
SATTI A. A. , DURUKAN TEMUGE İ, Bektaş S., ARPA ŞAHİN Ç.
Turkish Journal of Chemistry, vol.40, no.6, pp.979-987, 2016 (Journal Indexed in SCI)
- III. **Effect of Bleaching on Mercury Release from Amalgam Fillings and Antioxidant Enzyme Activities: A Pilot Study**
Cakir F. Y. , ERGİN E., Gurgan S., SABUNCUOĞLU S., Arpa Ç., Tokgoz I., Ozgunes H., Kiremitci A.
JOURNAL OF ESTHETIC AND RESTORATIVE DENTISTRY, vol.27, no.1, pp.29-36, 2015 (Journal Indexed in SCI)
- IV. **Arsenic removal in a sulfidogenic fixed-bed column bioreactor**
Altun M., ŞAHİNKAYA E., Durukan I., Bektas S., Komnitsas K.
JOURNAL OF HAZARDOUS MATERIALS, vol.269, pp.31-37, 2014 (Journal Indexed in SCI)
- V. **Indoor Aerosol Determination with Respect to a Soiling Phenomenon in Private Residences**
Fittschen U. E. A. , Santen M., Rehmers A., Durukan I., Wesselmann M.
ENVIRONMENTAL SCIENCE & TECHNOLOGY, vol.47, no.1, pp.608-615, 2013 (Journal Indexed in SCI)
- VI. **Enrichment and Separation of Fe(III), Mn(II), Ni(II), and Zn(II) as Their Congo Red Chelates on Multiwalled Carbon Nanotube (MWCNT) Disk in Food and Water Samples**
Durukan I., SOYLAK M., Dogan M.
ATOMIC SPECTROSCOPY, vol.34, no.1, pp.20-25, 2013 (Journal Indexed in SCI)
- VII. **Plasma protein oxidation is correlated positively with plasma iron levels and negatively with hemolysate zinc levels in sickle-cell anemia patients**
Oztas Y., Durukan I., Unal S., Ozgunes N.
INTERNATIONAL JOURNAL OF LABORATORY HEMATOLOGY, vol.34, no.2, pp.129-135, 2012 (Journal Indexed in SCI)
- VIII. **Plasma protein oxidation is correlated positively with plasma iron levels and negatively with hemolysate zinc levels in sickle-cell anemia patients.**

Er Öztaş Y., Durukan Temuge İ., Ünal S., Özgüneş N.

International Journal Of Laboratory Hematology, vol.34, no.2, pp.129-135, 2012 (Journal Indexed in SCI)

- IX. **Decolorization of textile basic dye in aqueous solution by ozone**
TURHAN K., Durukan I., Ozturkcan S. A. , TURGUT Z.
DYES AND PIGMENTS, vol.92, no.3, pp.897-901, 2012 (Journal Indexed in SCI)
- X. **Determination of iron and copper in food samples by flow injection cloud point extraction flame atomic absorption spectrometry**
Durukan I., Sahin Ç., ŞATIROĞLU N., Bektas S.
MICROCHEMICAL JOURNAL, vol.99, no.1, pp.159-163, 2011 (Journal Indexed in SCI)
- XI. **Ligandless-solidified floating organic drop microextraction method for the preconcentration of trace amount of cadmium in water samples**
Sahin C. A. , Durukan I.
TALANTA, vol.85, no.1, pp.657-661, 2011 (Journal Indexed in SCI)
- XII. **Determination of copper traces in water samples by flow injection-flame atomic absorption spectrometry using a novel solidified floating organic drop microextraction method**
Durukan I., Sahin Ç., Bektas S.
MICROCHEMICAL JOURNAL, vol.98, no.2, pp.215-219, 2011 (Journal Indexed in SCI)
- XIII. **Preconcentration and determination of iron and copper in spice samples by cloud point extraction and flow injection flame atomic absorption spectrometry**
Sahin C. A. , Tokgoz I., Bektas S.
JOURNAL OF HAZARDOUS MATERIALS, vol.181, pp.359-365, 2010 (Journal Indexed in SCI)
- XIV. **A novel solidified floating organic drop microextraction method for preconcentration and determination of copper ions by flow injection flame atomic absorption spectrometry**
Sahin C. A. , Tokgoz I.
ANALYTICA CHIMICA ACTA, vol.667, pp.83-87, 2010 (Journal Indexed in SCI)
- XV. **Comparison of Copper, Zinc, Iron and Calcium Levels in Plasma and Hemolysate of Steady State Sickle Cell Anemia Patients with Carriers**
Oztas Y. E. , Tokgoz I., Unal S., Ozgunes N.
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.35, no.3, pp.203-207, 2010 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **A novel solidified floating organic drop microextraction method for preconcentration and determination of copper ions by flow injection flame atomic absorption spectrometry in water samples**
ŞAHİN C., Durukan I., Bektas S.
16th International Conference on Heavy Metals in the Environment (ICHMET), Rome, Italy, 23 - 27 September 2012, vol.1
- II. **Analysis of trace elements in airborne particulate matters collected in Ankara, Turkey by TXRF**
Durukan I., Bektas S., Dogan M., Fittschen U.
16th International Conference on Heavy Metals in the Environment (ICHMET), Rome, Italy, 23 - 27 September 2012, vol.1

Supported Projects

ARPA ÇALIŞIR Ç., DURUKAN TEMUGE İ., Project Supported by Higher Education Institutions, Gıda örneklerindeki kurşun iyonlarının ultrason destekli derin ötektik çözücü temelli dispersif sıvı sıvı ekstraksiyonunun ardından alevli atomik absorpsiyon spektrometresiyle tayini, 2018 - 2019

DURUKAN TEMUGE İ., Project Supported by Higher Education Institutions, Civa(II) iyonlarının Alevli Atomik Absorpsiyon tekniđi ile analizini mümkün kılmak için önderiřtirilmesi ve su örneklerinden tayini, 2017 - 2017

DURUKAN TEMUGE İ., Project Supported by Higher Education Institutions, Katılařmıř Yüzen Organik Damla Mikroekstraksiyonu ile Eser Düzeydeki Kurřun İyonunun Ligandsız ekstraksiyonu ve Atomik Absorpsiyon Spektrometre ile Tayini, 2017 - 2017

DURUKAN TEMUGE İ., Project Supported by Higher Education Institutions, KATILAŐTIRILMIŐ YÜZEN ORGANİK DAMLA MİKROEKSTRAKSİYON TEKNİĐİ İLE NİKEL İYONLARININ ÖNDERİŐTİRİLMESİ VE ALEVLİ ATOMİK ABSORPSİYON SPEKTROMETRESİ İLE TAYİNİ, 2016 - 2017

DURUKAN TEMUGE İ., Project Supported by Higher Education Institutions, Çevresel Örneklerde Bizmut(III) İyonlarının Ultrasound Destekli Yüzen Katı Organik Damla Mikroekstraksiyonu ve Atomik Absorpsiyon Spektrometri Yöntemi ile Tayini, 2016 - 2017

DURUKAN TEMUGE İ., Project Supported by Higher Education Institutions, MANGANIN ÖNDERİŐTİRİLMESİ VE ALEVLİ ATOMİK ABSORPSİYON SPEKTROMETRESİ İLE TAYİNİ İÇİN YENİ KATILAŐTIRILMIŐ YÜZEN ORGANİK DAMLA MİKROEKSTRAKSİYON TEKNİĐİNİN KULLANILMASI, 2016 - 2016

DURUKAN TEMUGE İ., Project Supported by Higher Education Institutions, PET Őişelerden içme suyuna geçen antimon miktarının tespiti ve bu geçiři etkileyen faktörlerin incelenmesi, 2015 - 2016

DURUKAN TEMUGE İ., Project Supported by Higher Education Institutions, Çevresel örneklerden Pb(II) ağır metalinin katılařmıř yüzen organik damla mikroekstraksiyon yöntemiyle önderiřtirilmesi ve atomik absorpsiyon spektrometresi ile tayini, 2015 - 2016

ARPA ÇALIŐIR Ç., DURUKAN TEMUGE İ., Project Supported by Higher Education Institutions, Kimya Bölümü Atomik Spektroskopi Arařtırma Grubu tarafından kullanılan Perkin Elmer marka AAnalyst 800 model atomik absorpsiyon spektrofotometresinin bakım ve onarımı, 2015 - 2016

DURUKAN TEMUGE İ., Project Supported by Higher Education Institutions, Su örneklerinden Co(II) ağır metalinin katılařmıř yüzen organik damla mikroekstraksiyon yöntemiyle zenginleřtirilmesi ve atomik absorpsiyon spektrometresi ile tayini, 2015 - 2015

DURUKAN TEMUGE İ., Project Supported by Higher Education Institutions, Gıda ve su örneklerinden Fe (III), Mn (II), Ni (II) ve Zn (II) iyonlarının Congo Red Őelatları Őeklinde çok duvarlı karbon nanotüp (MWCNT) disk yardımıyla ayrılması ve zenginleřtirilmesi, 2015 - 2015

ARPA ÇALIŐIR Ç., DURUKAN TEMUGE İ., Project Supported by Higher Education Institutions, Dođal Örneklerdeki Ağır Metal İyonlarının Bulutlanma Noktası Ekstraksiyonu ile Önderiřtirilmesi ve Atomik Absorpsiyon Spektrometresiyle Tayini, 2011 - 2015

Citations

Total Citations (WOS):500

h-index (WOS):10