

Öğr.Gör. Elif ÖZTÜRK ER

Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, Yıldız Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Kimya Mühendisliği, Türkiye 2015 - Devam Ediyor

Yüksek Lisans, Yıldız Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Kimya Mühendisliği, Türkiye 2014 - 2015

Lisans, Yıldız Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Kimya Mühendisliği, Türkiye 2007 - 2012

Yabancı Diller

İngilizce, B2 Orta Üstü

Sertifika, Kurs ve Eğitimler

Eğitim Yönetimi ve Planlama, ICPE-9000 Eğitim Sertifikası, Scihmadzu, 2014

Eğitim Yönetimi ve Planlama, HPLC Eğitim Sertifikası, Agilent Technologies, 2014

Eğitim Yönetimi ve Planlama, QTOF LCMS Eğitim Sertifikası, Agilent Technologies, 2014

Eğitim Yönetimi ve Planlama, ICPMS Eğitim Sertifikası, Agilent Technologies, 2014

Yaptığı Tezler

Yüksek Lisans, REDUCTION OF GRAPHENE OXIDE BY NATURAL PRODUCTS AND PRODUCTION OF REDUCED GRAPHENE OXIDE-HYDROXYAPATITE COMPOSITES, Yıldız Teknik Üniversitesi, Kimya Metalurji Fakültesi, Kimya Mühendisliği, 2015

Araştırma Alanları

Metalurji ve Malzeme Mühendisliği, Malzeme Bilimi ve Mühendisliği, Kompozitler, Biyomalzemeler, Kimya, Analitik Kimya, Farmasötik Analizler, Kütle Spektroskopisi, Temel Bilimler, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Araştırma Görevlisi, Yıldız Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Merkez Laboratuvar, 2014 - Devam Ediyor

Araştırma Görevlisi, Gebze Yüksek Teknoloji Enstitüsü, Mühendislik Fakültesi, Kimya Mühendisliği, 2013 - 2014

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

1. Chitosan magnetic hydrogel based ligandless magnetic solid phase extraction for the accurate and sensitive determination of thallium by slotted-quartz tube flame atomic absorption

spectrophotometry with matrix matching calibration strategy

Maltepe E., ÖZTÜRK ER E., BAKIRDERE S.

Microchemical Journal, cilt.158, 2020 (SCI Expanded İndekslerine Giren Dergi)

- II. **An accurate and sensitive analytical method for the simultaneous determination of glycine, methionine and homocysteine in biological matrices by matrix matching strategy and LC-quadrupole-time-of-flight-MS/MS**
Şaylan M., Er E., Tekin Z., BAKIRDERE S.
Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, cilt.239, 2020 (SCI İndekslerine Giren Dergi)
- III. **Accurate and Sensitive Analytical Method for the Determination of Cyclanilide in Cotton and Cosmetic Pads at Trace Levels Using the Combination of Vortex Assisted Iron(II,III)/Reduced Graphene Oxide Nanocomposite Based Dispersive Solid Phase Extraction and High Performance Liquid Chromatography (HPLC)**
ERARPAT S., Maltepe E., ÖZTÜRK ER E., BAKIRDERE S.
Analytical Letters, cilt.53, ss.2278-2291, 2020 (SCI İndekslerine Giren Dergi)
- IV. **Sensitive determination of selected drug active compounds in wastewater matrices by LC-QTOF-MS/MS after vortex assisted binary solvents dispersive liquid-liquid microextraction**
Seda Koçoğlu E. S., SÖZÜDOĞRU O., KOMESLİ O. T., YILMAZ A. B., Er E., BAKIRDERE S.
Chemistry Letters, cilt.49, ss.546-549, 2020 (SCI Expanded İndekslerine Giren Dergi)
- V. **Combination of ultrasound-assisted ethyl chloroformate derivatization and switchable solvent liquid-phase microextraction for the sensitive determination of l-methionine in human plasma by GC-MS**
Erarpat S., Bodur S., Öztürk E., Bakirdere S.
Journal of Separation Science, cilt.43, ss.1100-1106, 2020 (SCI Expanded İndekslerine Giren Dergi)
- VI. **A novel determination method for diuron in seaweed samples: Combination of quadruple isotope dilution strategy with liquid chromatography - quadrupole time of flight - tandem mass spectrometry for superior accuracy and precision**
Tekin Z., Öztürk E., Günkara Ö. T., Bakirdere S.
Journal of Chromatography A, cilt.1611, 2020 (SCI İndekslerine Giren Dergi)
- VII. **A powerful combination of quadruple isotope dilution strategy with dispersive magnetic solid phase extraction for the accurate and precise multi-analyte determination of tadalafil, sildenafil, avanafil and vardenafil in human plasma and urine samples using LC-ESI-Tandem MS**
Er E., Akkaya E., Özbek B., Bakirdere S.
Microchemical Journal, cilt.152, 2020 (SCI İndekslerine Giren Dergi)
- VIII. **Magnetic Nanoparticles Based Solid Phase Extraction Methods for the Determination of Trace Elements**
ÖZTÜRK ER E., DALGIÇ BOZYİĞİT G., Büyükpınar Ç., BAKIRDERE S.
Critical Reviews in Analytical Chemistry, 2020 (SCI İndekslerine Giren Dergi)
- IX. **Sodium, Magnesium, Calcium, Manganese, Iron, Copper, and Zinc in Serums of Beta Thalassemia Major Patients**
Şahin A., Er E., Öz E., Yıldırım Z. Y., Bakirdere S.
Biological Trace Element Research, 2020 (SCI İndekslerine Giren Dergi)
- X. **Application of supercritical gel drying method on fabrication of mechanically improved and biologically safe three-component scaffold composed of graphene oxide/chitosan/hydroxyapatite and characterization studies**
Yılmaz P., Öztürk Er E., Bakirdere S., Ülgen K., Özbek B.
Journal of Materials Research and Technology, cilt.8, ss.5201-5216, 2019 (SCI İndekslerine Giren Dergi)
- XI. **Determination of glycine in body fluids at trace levels using the combination of quadrupole isotope dilution strategy and Liquid Chromatography-Quadrupole Time of Flight-Tandem Mass Spectrometry**
Tekin Z., Er E. O., BAKIRDERE S.
MEASUREMENT, cilt.146, ss.606-612, 2019 (SCI İndekslerine Giren Dergi)

- XII. **Magnetic cobalt particle–assisted solid phase extraction of tellurium prior to its determination by slotted quartz tube-flame atomic absorption spectrophotometry**
Özdoğan N., Kapukıran F., ÖZTÜRK ER E., BAKIRDERE S.
Environmental Monitoring and Assessment, cilt.191, 2019 (SCI İndekslerine Giren Dergi)
- XIII. **Development of an analytical method based on citric acid coated magnetite nanoparticles assisted dispersive magnetic solid-phase extraction for the enrichment and extraction of sildenafil, tadalafil, vardenafil and avanafil in human plasma and urine prior to determination by LC-MS/MS**
Er E., Akkaya E., Özbek B., Bakırdere S.
Microchemical Journal, cilt.147, ss.269-276, 2019 (SCI İndekslerine Giren Dergi)
- XIV. **Ultrasound-assisted dispersive solid phase extraction based on Fe₃O₄/reduced graphene oxide nanocomposites for the determination of 4-tert octylphenol and atrazine by gas chromatography mass spectrometry**
Er E., ÇAĞLAK A., Engin G., BAKIRDERE S.
MICROCHEMICAL JOURNAL, cilt.146, ss.423-428, 2019 (SCI İndekslerine Giren Dergi)
- XV. **Accurate and sensitive determination of sildenafil, tadalafil, vardenafil, and avanafil in illicit erectile dysfunction medications and human urine by LC with quadrupole-TOF-MS/MS and their behaviors in simulated gastric conditions**
Er E., Özbek B., Bakırdere S.
JOURNAL OF SEPARATION SCIENCE, cilt.42, ss.475-483, 2019 (SCI İndekslerine Giren Dergi)
- XVI. **A novel analytical method for the determination of cadmium in sorrel and rocket plants at ultratrace levels: Magnetic chitosan hydrogels based solid phase microextraction-slotted quartz tube-flame atomic absorption spectrophotometry**
Er E., Maltepe E., BAKIRDERE S.
MICROCHEMICAL JOURNAL, cilt.143, ss.393-399, 2018 (SCI İndekslerine Giren Dergi)
- XVII. **Simultaneous Determination of Phorate and Oxyfluorfen in Well Water Samples with High Accuracy by GC-MS After Binary Dispersive Liquid-Liquid Microextraction**
Alkan E., Kapukıran F., Er E., Chormey D. S. , Keyf S., Ozdogan N., Bakırdere S.
WATER AIR AND SOIL POLLUTION, cilt.229, 2018 (SCI İndekslerine Giren Dergi)
- XVIII. **A sensitive and selective analytical method for the simultaneous determination of sildenafil and tadalafil in water, energy drinks and sewage sludge matrices by LC-QTOF-MS/MS**
Er E., Özbek B., Bakırdere S.
MEASUREMENT, cilt.124, ss.64-71, 2018 (SCI İndekslerine Giren Dergi)
- XIX. **A novel analytical approach for the determination of parathion methyl in water: quadrupole isotope dilution mass spectrometry-dispersive liquid-liquid microextraction using multivariate optimization**
Chormey D. S. , Er E., Erarpat S., Özzeybek G., Arı B., Bakırdere S.
ANALYST, cilt.143, ss.1141-1146, 2018 (SCI İndekslerine Giren Dergi)
- XX. **Trace determination of cobalt in biological fluids based on preconcentration with a new competitive ligand using dispersive liquid-liquid microextraction combined with slotted quartz tube-flame atomic absorption spectrophotometry**
Er E., BAKIRDERE E. G. , UNUTKAN T., BAKIRDERE S.
JOURNAL OF TRACE ELEMENTS IN MEDICINE AND BIOLOGY, cilt.49, ss.13-18, 2018 (SCI İndekslerine Giren Dergi)
- XXI. **Simultaneous determination of niacin and pyridoxine at trace levels by using diode array high-performance liquid chromatography and liquid chromatography with quadrupole time-of-flight tandem mass spectrometry**
Sel S., Er E., Bakırdere S.
JOURNAL OF SEPARATION SCIENCE, cilt.40, ss.4740-4746, 2017 (SCI İndekslerine Giren Dergi)
- XXII. **Production of biologically safe and mechanically improved reduced graphene oxide/hydroxyapatite composites**
Ozturk E., Özbek B., Şenel İ.
MATERIALS RESEARCH EXPRESS, cilt.4, 2017 (SCI İndekslerine Giren Dergi)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Simultaneous Determination of Selected Drug Active Compounds in Wastewater Matrix by Binary Solvent Dispersive Liquid-Liquid Microextraction-LC-QTOF-MS/MS System**
Koçođlu E. S. , Sözüdođru O., Komesli O. T. , Yılmaz A. E. , Öztürk Er E., Bakirdere S.
1st INTERNATIONAL CONGRESS on ANALYTICAL and BIOANALYTICAL CHEMISTRY, Antalya, Türkiye, 27 Mart 2019, ss.223
- II. **Determination of Selected PDE-5 Inhibitors in Human Urine by LC-QTOFMS/MS after Citric Acid Coated Magnetic Nanoparticle Assisted Phase Microextraction**
ÖZTÜRK ER E., AKKAYA E., ÖZBEK B., BAKIRDERE S.
11th Aegean Analytical Chemistry Days (AACD 2018), Crete, Yunanistan, 25 Eylül 2018, ss.48
- III. **A green method kit for forensic drug analysis, to solve drug-induced crimes**
ANILANMERT B., ÇAVUŞ YONAR F., ÖZTÜRK ER E., YILMAZ PEKÇALIŞKAN E., CENGİZ S.
1th International Balkan Chemistry Congress, Edirne, Türkiye, 17 Eylül 2018, ss.43
- IV. **Toxicity Effect Investigation of Graphene Oxide Addition into a Three-Component Scaffold Composed of Hydroxyapatite-Graphene Oxide-Chitosan for Bone Tissue Engineering Applications**
YILMAZ P., ÖZTÜRK ER E., BAKIRDERE S., Ülgen K., ÖZBEK B.
23rd International Congress of Chemical and Process Engineering (CHISA 2018), Prag, Çek Cumhuriyeti, 25 Ağustos 2018, ss.165
- V. **Production and characterization studies of a three-component scaffold composed of hydroxyapatite-graphene oxide-chitosan for bone tissue engineering applications**
YILMAZ P., ÖZTÜRK ER E., BAKIRDERE S., Ülgen K., ÖZBEK B.
23rd International Congress of Chemical and Process Engineering (CHISA 2018), Prag, Çek Cumhuriyeti, 25 Ağustos 2018
- VI. **Quadrupole Isotope Dilution Mass Spectrometry-Dispersive Liquid-Liquid Microextraction Using Multivariate Optimization: A Novel Analytical Approach for the Determination of Parathion Methyl in Water**
Chormey D. S. , ÖZTÜRK ER E., ERARPAT S., Özzeybek G., Arı B., BAKIRDERE S.
8TH BLACK SEA BASIN CONFERENCE ON ANALYTICAL CHEMISTRY, İstanbul, Türkiye, 09 Mayıs 2018, ss.41
- VII. **Simultaneous Determination of Niacin and Pyridoxine at Trace Levels by Using HPLC and LC-QTOF-MS/MS**
Sel S., ÖZTÜRK ER E., TURAK F., BAKIRDERE S.
7th International IUPAC Conference on Green Chemistry, Moskova, Rusya, 02 Ekim 2017, ss.56
- VIII. **A Sensitive and Selective Method For Simultaneous Determination of Sildenafil and Tadalafil in Tap Water and Sewage Sludge Samples by LC-QTOF-MS/MS**
ÖZTÜRK ER E., BAKIRDERE S., ÖZBEK B.
7th International IUPAC Conference on Green Chemistry, Moscow, Rusya, 02 Ekim 2017, ss.49
- IX. **Production of green reduced graphene oxide-hydroxyapatite composites**
ÖZTÜRK E., ÖZBEK B., ZAMAN A. C.
10th European Congress of Chemical Engineering (ECCE10), Nice, Fransa, 27 Eylül 2015, ss.1575
- X. **Bio-reduction of Graphene Oxide by Natural Products**
ÖZTÜRK E., ŞİMŞEK S., ÖZBEK B.
Nanotech France 2015 International Conference, Paris, Fransa, 15 Haziran 2015, ss.9

Desteklenen Projeler

ÖZBEK B., ÖZTÜRK ER E., YILMAZ P., BAKIRDERE S., Yükseköğretim Kurumları Destekli Proje, Kemik Doku Mühendisliği Uygulamalarında Kullanılacak HidroksiapatitGrafen OksitKitosan Doku İskelesinin Süper Kritik Jel Kurutma Tekniđi Kullanılarak Üretimi ve Karakterizasyonu, 2018 - 2020

ÇETİN G., BAKIRDERE S., Akkaya E., ÖZTÜRK ER E., Kasa N. A. , KOMESLİ O. T. , Yükseköğretim Kurumları Destekli Proje,

Kurşunun Stearik Asit Kaplı Demir Manyetik Nanopartiküller ile Ekstraksiyonu/Önderiştirilmesi Sonrası HO-AAS Sisteminde Eser Seviyelerde Tayini, 2018 - 2019

ÖZTÜRK ER E., Diğer Resmi Kurumlarca Desteklenen Proje, Zaleplon için QTOFLCMS Yöntemiyle Kolada Hızlı Ve Doğrudan Analiz Yöntemi Geliştirilmesi, 2017 - 2017

ÖZTÜRK ER E., Yükseköğretim Kurumları Destekli Proje, REDUCTION OF GRAPHENE OXIDE BY NATURAL PRODUCTS AND PRODUCTION OF REDUCED GRAPHENE OXIDE-HYDROXYAPATITE COMPOSITES, 2015 - 2016

Bilimsel Hakemlikler

Bioactive Materials, Diğer İndekslerce Taranan Dergi, Mart 2017

Davetli Kongre ve Sempozyum Faaliyetleri

11th Aegean Analytical Chemistry Days, Katılımcı, Hania, Yunanistan, 2018

7 th International IUPAC Conference on Green Chemistry, Katılımcı, Moscow, Rusya, 2017

10th European Congress on Chemical Engineering, Katılımcı, Nice, Fransa, 2015

NANOTECH FRANCE 2015, Katılımcı, Paris, Fransa, 2015

Atıflar

Toplam Atıf Sayısı (WOS):70

h-indeksi (WOS):6

Burslar

Genel Doktora Burs Programı, TÜBİTAK, 2016 - Devam Ediyor