

Prof.Dr. Sezgin BAKIRDERE

Kişisel Bilgiler

E-posta: bsezgin@yildiz.edu.tr

Eğitim Bilgileri

Doktora, Orta Doğu Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Kimya, Türkiye 2004 - 2009

Yüksek Lisans, Fırat Üniversitesi, Fen Edebiyat Fakültesi, Kimya, Türkiye 2001 - 2003

Lisans, Fırat Üniversitesi, Fen-Edebiyat Fakültesi, Kimya, Türkiye 1997 - 2001

Yabancı Diller

İngilizce, C1 İleri

Yaptığı Tezler

Doktora, Speciation studies using HPLC-ICP-MS and HPLC-ES-MS, Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Kimya / Analitik Kimya, 2009

Yüksek Lisans, Biyolojik ve Çevre Örneklerinde Kurşunun Zenginleştirilerek Atomik Absorpsiyon Spektrofotometresiyle Tayini, Fırat Üniversitesi, Fen Edebiyat Fakültesi, Kimya / Analitik Kimya, 2003

Araştırma Alanları

Kimya, Analitik Kimya, Adsorpsiyon Spektroskopisi, Atomik Kütle Spektrometrisi, Atomik ve Moleküler Spektroskopisi, Kromatografi, Kütle Spektroskopisi, Temel Bilimler

Akademik Unvanlar / Görevler

Prof.Dr., Yıldız Teknik Üniversitesi, Fen Edebiyat Fakültesi, Kimya, 2017 - Devam Ediyor

Doç.Dr., Yıldız Teknik Üniversitesi, Fen Edebiyat Fakültesi, Kimya, 2013 - 2017

Doç.Dr., Yıldız Teknik Üniversitesi, Eğitim Fakültesi, Matematik Ve Fen Bilimleri Bölümü, 2012 - 2013

Yrd.Doç.Dr., Yıldız Teknik Üniversitesi, Eğitim Fakültesi, Matematik Ve Fen Bilimleri Bölümü, 2012 - 2012

Araştırma Görevlisi Dr., Zonguldak Bülent Ecevit Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2010 - 2012

Araştırma Görevlisi Dr., Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Kimya, 2009 - 2010

Araştırma Görevlisi, Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Kimya, 2002 - 2009

Mesleki Deneyim

Dekan, Yıldız Teknik Üniversitesi, Uygulamalı Bilimler Fakültesi, 2017 - Devam Ediyor

Uygulama ve Araştırma Merkezi Müdürü, Yıldız Teknik Üniversitesi, Bilim Ve Teknoloji Uygulama Ve Araştırma Merkezi, 2016 - Devam Ediyor

Rektör Danışmanı, Yıldız Teknik Üniversitesi, Rektörlük, 2016 - Devam Ediyor

Bölüm Başkan Yardımcısı, Yıldız Teknik Üniversitesi, Fen Edebiyat Fakültesi Kimya Bölümü, 2014 - 2016

Yönetilen Tezler

BAKIRDERE S., Alevli Atomik Absorpsiyon Spektrofotometre Cihaz Duyarlılığının Yarıklı Kuartz Tüp (YKT) ile Artırılması ve YKT İç Yüzeyinin Adsorpsiyon Özelliklerinin İncelenmesi, Doktora, Ç.Büyükpınar(Öğrenci), Devam Ediyor

BAKIRDERE S., Farklı Pestisit, Hormon ve İlaç Etken Madde Grubu Endokrin Bozucu Maddelerin Önderiştirilmesi Sonrası GC-MS Sisteminde Eser Seviyelerde Tayinleri, Doktora, E.Seda(Öğrenci), Devam Ediyor

BAKIRDERE S., Farklı Matrikslerde Bulunan Endokrin Bozucu Maddelerin Önderiştirme Sonrası Eser Seviyelerde Tayinleri, Doktora, D.Selali(Öğrenci), Devam Ediyor

BAKIRDERE S., Uçucu Bileşen Oluşturma -Atomik Absorpsiyon Spektrofotometre Sisteminde Analitlerin Düşük Seviyelerde Tayinleri, Yüksek Lisans, B.Tuğba(Öğrenci), Devam Ediyor

BAKIRDERE S., Pestisit ve Endokrin Bozucu Maddelerin Düşük Seviyelerde Eşzamanlı Tayinleri ve Biyoerişebilirlik Seviyelerinin Belirlenmesi, Yüksek Lisans, U.Balçık(Öğrenci), Devam Ediyor

BAKIRDERE S., Yüzen Katı Organik Damla Mikroekstraksiyon Yöntemi ile Eser Seviyede Analit Tayinleri, Yüksek Lisans, D.Terzioğlu(Öğrenci), Devam Ediyor

BAKIRDERE S., Gıda/Çevre/Biyolojik Örneklerde Türleme Çalışmalarına Yönelik Analitik Yöntem Geliştirilmesi, Doktora, B.Arı(Öğrenci), Devam Ediyor

BAKIRDERE S., Eser Analiz ve Türleme Çalışmalarında Kromatografik Yöntemler, Yüksek Lisans, S.Sel(Öğrenci), 2017

BAKIRDERE S., Farklı C/N Oranlarında Çalıştırılan Membran Biyoreaktörlerde Mikrobiyal Tür Analizi Değerlendirilmesi, Doktora, N.Bakaraki(Öğrenci), 2017

BAKIRDERE S., İlaç Aktif Maddelerinin Kararlılık Seviyelerinin HPLC Cihaz İle Tayinleri, Yüksek Lisans, A.Kemal(Öğrenci), 2016

İÇELLİ O., BAKIRDERE S., Ses dalgaları, manyetik alan ve elektrik alan etkisinde kurutulan gıdalarda mikotoksinlerin tayini ve fiziksel/kimyasal parametrelerin incelenmesi, Doktora, E.Nuroğlu(Öğrenci), 2016

BAKIRDERE S., Valsartanın Farklı Matrikslerde Tayinine Yönelik Analitik Yöntem Geliştirilmesi ve Kararlılık Çalışması, Yüksek Lisans, H.Serbest(Öğrenci), 2016

BAKIRDERE S., Sertralinin GC-MS Sisteminde Düşük Seviyelerde Tayinine Yönelik Analitik Yöntem Geliştirilmesi ve Yapay Mide Ortamındaki Kararlılığının Tespit Edilmesi, Yüksek Lisans, E.Seda(Öğrenci), 2016

BAKIRDERE S., Amoksisilinin Farklı Matrikslerde Yüksek Basınçlı Sıvı Kromatografi Sistemi İle Düşük Seviyelerde Tayini, Yüksek Lisans, T.Unutkan(Öğrenci), 2016

BAKIRDERE S., Türk Makam Müziğinin Günümüze Aktarımında Gramofon Kayıtlarının Rolü, Disklerin Kimyasal ve Fiziksel Analizleri ve Tayin Sonuçlarının Ses Kalitesiyle İlişkisi, Yüksek Lisans, D.Selü(Öğrenci), 2016

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- **Determination of trace manganese in soil samples by using eco-friendly switchable solvent based liquid phase microextraction-3 holes cut slotted quartz tube-flame atomic absorption spectrometry**
Zaman B. T. , Bakaraki Turan N., BAKIRDERE E. G. , Topal S., Sağsöz O., BAKIRDERE S.
Microchemical Journal, cilt.157, 2020 (SCI Expanded İndekslerine Giren Dergi)
- **Fe₃O₄/reduced graphene oxide nanocomposites based dispersive solid phase microextraction for trace determination of profenofos in white rice flour samples**
Bodur S., ERARPAT S., BAKIRDERE S.
Journal of Food Composition and Analysis, cilt.91, 2020 (SCI Expanded İndekslerine Giren Dergi)
- **A sensitive and accurate analytical method for the determination of cadmium in food samples: Molybdenum coated T-shape slotted quartz tube flame atomic absorption spectrophotometry**
Kasa N. A. , Büyükpınar Ç., Erulaş A. F. , BAKIRDERE S.
Food Chemistry, cilt.319, 2020 (SCI İndekslerine Giren Dergi)
- **Determination of iron in hair samples by slotted quartz tube-flame atomic absorption spectrometry after switchable solvent liquid phase extraction**
Atsever N., Borahan T., Gülhan Bakırdere E., BAKIRDERE S.
Journal of Pharmaceutical and Biomedical Analysis, cilt.186, 2020 (SCI Expanded İndekslerine Giren Dergi)
- **Reverse phase dispersive liquid-liquid microextraction coupled to slotted quartz tube flame atomic absorption spectrometry as a new analytical strategy for trace determination of cadmium in fish and olive oil samples**
Özzybek G., Şahin İ., ERARPAT S., BAKIRDERE S.
Journal of Food Composition and Analysis, cilt.90, 2020 (SCI Expanded İndekslerine Giren Dergi)

- **Feasibility studies on the uptake and bioaccessibility of pesticides, hormones and endocrine disruptive compounds in plants, and simulation of gastric and intestinal conditions**
Chormey D. S. , Ayyıldız M. F. , BAKIRDERE S.
Microchemical Journal, cilt.155, 2020 (SCI İndekslerine Giren Dergi)
- **Liquid phase microextraction based sensitive analytical strategy for the determination of 22 hazardous aromatic amine products of azo dyes in wastewater and tap water samples by GC-MS system**
Balçık U., Chormey D. S. , Ayyıldız M. F. , BAKIRDERE S.
Microchemical Journal, cilt.155, 2020 (SCI İndekslerine Giren Dergi)
- **A new derivatization method for the determination of propineb in black tea and infant formula samples using dispersive liquid-liquid microextraction followed by gas chromatography-mass spectrometry**
Bodur S., ERARPAT S., GÜNKARA Ö. T. , Chormey D. S. , BAKIRDERE S.
Talanta, cilt.213, 2020 (SCI İndekslerine Giren Dergi)
- **Development of a sensitive and accurate method for the simultaneous determination of selected insecticides and herbicide in tap water and wastewater samples using vortex-assisted switchable solvent-based liquid-phase microextraction prior to determination by gas chromatography-mass spectrometry**
Bozyiğit G., Ayyıldız M. F. , Chormey D. S. , Engin G. O. , Bakırdere S.
Environmental Monitoring and Assessment, cilt.192, 2020 (SCI İndekslerine Giren Dergi)
- **Combination of vortex assisted binary solvent microextraction and QuEChERS for the determination of prothiofos, oxadiargyl, and gamma-cyhalothrin in water and pineapple samples by gas chromatography mass spectrometry**
Budak T. B. , Ayyıldız M. F. , Chormey D. S. , BAKIRDERE S.
Environmental Monitoring and Assessment, cilt.192, 2020 (SCI İndekslerine Giren Dergi)
- **Determination of trace nickel in chamomile tea and coffee samples by slotted quartz tube-flame atomic absorption spectrometry after preconcentration with dispersive liquid-liquid microextraction method using a Schiff base ligand**
Şaylan M., Zaman B. T. , Gülhan Bakırdere E., BAKIRDERE S.
Journal of Food Composition and Analysis, cilt.88, 2020 (SCI İndekslerine Giren Dergi)
- **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. Ö. , BAKIRDERE S.
Chemistry Letters, cilt.49, ss.546-549, 2020 (SCI İndekslerine Giren Dergi)
- **A simple and efficient preconcentration method based on vortex assisted reduced graphene oxide magnetic nanoparticles for the sensitive determination of endocrine disrupting compounds in different water and baby food samples by GC-FID**
Firat Ayyıldız M., Selin Fındıkoğlu M., Selali Chormey D., BAKIRDERE S.
Journal of Food Composition and Analysis, cilt.88, 2020 (SCI İndekslerine Giren Dergi)
- **A green, accurate and sensitive analytical method based on vortex assisted deep eutectic solvent-liquid phase microextraction for the determination of cobalt by slotted quartz tube flame atomic absorption spectrometry**
Tekin Z., Unutkan T., Erulaş F., Bakırdere E. G. , Bakırdere S.
Food Chemistry, cilt.310, 2020 (SCI İndekslerine Giren Dergi)
- **Analytical protocol for determination of endosulfan beta, propham, chlorpyrifos, and acibenzolar-s-methyl in lake water and wastewater samples by gas chromatography–mass spectrometry after dispersive liquid–liquid microextraction**
Bodur S., Özlü C., Tışlı B., Firat M., Chormey D. S. , BAKIRDERE S.
Environmental Monitoring and Assessment, cilt.192, 2020 (SCI İndekslerine Giren Dergi)
- **Peristaltic pump-assisted zirconium nanoparticle-based pipette-tip solid phase extraction for the determination of cobalt by slotted quartz tube-flame atomic absorption spectrophotometry**
Tekin Z., Borahan T., Özdoğan N., BAKIRDERE S.
Analytical Methods, cilt.12, ss.1244-1249, 2020 (SCI İndekslerine Giren Dergi)
- **Traceable and accurate quantification of iron in seawater using isotope dilution calibration strategies by triple quadrupole ICP-MS/MS: Characterization measurements of iron in a candidate seawater CRM**

Ari B., Can S. Z. , BAKIRDERE S.

Talanta, cilt.209, 2020 (SCI İndekslerine Giren Dergi)

- **Validation of ultrasonic-assisted switchable solvent liquid phase microextraction for trace determination of hormones and organochlorine pesticides by GC–MS and combination with QuEChERS**
Durak B. Y. , Chormey D. S. , Firat M., Bakirdere S.
Food Chemistry, cilt.305, 2020 (SCI İndekslerine Giren Dergi)
- **A sieve-conducted two-syringe-based pressurized liquid-phase microextraction for the determination of indium by slotted quartz tube-flame atomic absorption spectrometry**
UNUTKAN T., Borahan T., Girgin A., BAKIRDERE S.
Environmental Monitoring and Assessment, cilt.192, 2020 (SCI İndekslerine Giren Dergi)
- **Determination of fenazaquin in water and tomato matrices by GC-MS after a combined QuEChERS and switchable solvent liquid phase microextraction**
Turan N. B. , Maltepe E., Chormey D. S. , BAKIRDERE S.
Environmental Monitoring and Assessment, cilt.192, 2020 (SCI İndekslerine Giren Dergi)
- **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)
- **Accurate and Precise Determination of Gold in Plating Bath Solution: Deep Eutectic Solvent Based Liquid Phase Microextraction–Slotted Quartz Tube–Flame Atomic Absorption Spectrometry**
Yılmaz Ö., Durak B. Y. , Tekin Z., Koçoğlu E. S. , Bakirdere S.
Analytical Letters, cilt.53, ss.165-173, 2020 (SCI İndekslerine Giren Dergi)
- **Combination of stearic acid coated magnetic nanoparticle based sonication assisted dispersive solid phase extraction and slotted quartz tube-flame atomic absorption spectrophotometry for the accurate and sensitive determination of lead in red pepper samples and assessment of green profile**
Zaman B. T. , Erulaş A. F. , Chormey D. S. , BAKIRDERE S.
Food Chemistry, cilt.303, 2020 (SCI İndekslerine Giren Dergi)
- **Accurate and Sensitive Reverse Phase High-Performance Liquid Chromatographic Determination of Arbutin in Blueberries and Characterization of Its Stability in Simulated Gastric Fluid and under Ultraviolet Irradiation**
Durak B. Y. , Sel S., BAKIRDERE S.
ANALYTICAL LETTERS, 2020 (SCI İndekslerine Giren Dergi)
- **Determination of indium in lettuce samples using hydrogen supported-T-cut-slotted quartz tube-atom trap-flame atomic absorption spectrometry**
Kapukiran F., YILMAZ Ö., Tekin Z., Büyükpınar Ç., Özdoğan N., BAKIRDERE S.
Chemistry Letters, cilt.49, ss.276-279, 2020 (SCI İndekslerine Giren Dergi)
- **Determination of Copper in Quince Samples with a Matrix Matching Strategy Using Vortex Assisted Deep Eutectic Solvent-Based Emulsification Liquid Phase Microextraction–Slotted Quartz Tube–Flame Atomic Absorption Spectrometry**
Borahan T., UNUTKAN T., Zaman B. T. , BAKIRDERE E. G. , BAKIRDERE S.
Analytical Letters, 2020 (SCI Expanded İndekslerine Giren Dergi)
- **Determination of Trace Element Concentrations in Blood Samples and Their Correlation to Breast Cancer**
TOPDAĞI Ö., TOKER O., BAKIRDERE S., ÖZ E., Bursalioglu E. O. , Abuqbeith M., Demir M., İÇELLİ O.
ATOMIC SPECTROSCOPY, cilt.41, ss.29-35, 2020 (SCI İndekslerine Giren Dergi)
- **Optimization of T-shape slotted quartz tube with exit holes-atom trap-flame atomic absorption spectrophotometry system for the accurate and sensitive determination of tellurium in tap water**
Şahin İ., Durak B. Y. , Sağsöz O., Büyükpınar Ç., BAKIRDERE S.
Environmental Monitoring and Assessment, cilt.192, 2020 (SCI İndekslerine Giren Dergi)
- **Simple, Sensitive, and Selective High Performance Liquid Chromatographic (HPLC) Method for the Determination of Buturon in Herbal Tea, Dried Blueberry, and Cranberry Samples and Evaluation of Its Stability in Gastric Conditions**

Özzybek G., ERARPAT S., BAKIRDERE S.

Analytical Letters, 2020 (SCI İndekslerine Giren Dergi)

- **Accurate and Sensitive Determination of Atraton in Dried Tomato and Corn Flour by High-Performance Liquid Chromatography (HPLC) and Characterization of Its Stability in Gastric Conditions and by Ultraviolet Radiation**

Özdoğan N., Yener B., Zaman B. T. , BAKIRDERE S.

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- **Removal of Selected Micropollutants from Synthetic Wastewater by Electrooxidation Using Oxidized Titanium and Graphite Electrodes**

Turan N. B. , ÇAĞLAK A., BAKIRDERE S., Engin G. Ö.

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- **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.

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- **Feasibility Studies on the Effect of Natural Plant Compounds on Sludge Characteristics in a Batch-Type Aerobic Reactor and N-butyryl-L Homoserine Lactone**

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- **Rapid, accurate and sensitive determination of fenpropathrin as insecticide in dried strawberry samples by high performance liquid chromatography, and in vivo stability and behavior under gastric conditions**

Tekin Z., Zaman B. T. , BAKIRDERE S.

Chemistry Letters, cilt.49, ss.17-19, 2020 (SCI İndekslerine Giren Dergi)

- **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.

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- **An accurate determination method for cobalt in sage tea and cobalamin: Slotted quartz tube-flame atomic absorption spectrometry after preconcentration with switchable liquid-liquid microextraction using a Schiff base**

Yazıcı E., Firat M., Selali Chormey D., Gülhan Bakirdere E., Bakirdere S.

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- **Determination of Trace Amounts of Gold in Electroplating Rinsing Bath by Slotted Quartz Tube Flame Atomic Absorption Spectrometry with Matrix Matching Calibration Strategy after Preconcentration with Vortex Assisted Dispersive Liquid-Liquid Microextraction**

Terzioğlu D., Firat M., Chormey D. S. , BAKIRDERE S.

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- **Zirconium nanoparticles based solid phase extraction-slotted quartz tube-flame atomic absorption spectrophotometry for the determination of cadmium in wastewater samples and evaluation of green profile**

Tekin Z., Özdoğan N., BAKIRDERE S.

International Journal of Environmental Analytical Chemistry, 2020 (SCI İndekslerine Giren Dergi)

- **An analytical strategy for propoxur determination in raisin samples with matrix matching method after dispersive liquid-liquid microextraction**

Borahan T., Tekin Z., Zaman B. T. , Chormey D. S. , BAKIRDERE S.

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- **Determination of cadmium at trace levels in parsley samples by slotted quartz tube-flame atomic absorption spectrometry after preconcentration with cloud point extraction**

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Dergi)

- **Oleic and stearic acid-coated magnetite nanoparticles for sonication-assisted binary micro-solid phase extraction of endocrine disrupting compounds, and their quantification by GC-MS**
Chormey D. S. , Akkaya E., Erulaş F. A. , BAKIRDERE S.
Microchimica Acta, cilt.186, 2019 (SCI İndekslerine Giren Dergi)
- **Determination of lead in milk samples using vortex assisted deep eutectic solvent based liquid phase microextraction-slotted quartz tube-flame atomic absorption spectrometry system**
Borahan T., Unutkan T., Turan N. B. , Turak F., Bakirdere S.
Food Chemistry, cilt.299, 2019 (SCI İndekslerine Giren Dergi)
- **Simultaneous determination of drug active compound, hormones, pesticides, and endocrine disruptor compounds in wastewater samples by GC-MS with direct calibration and matrix matching strategies after preconcentration with dispersive liquid-liquid microextraction**
Koçoğlu E. S. , Sözüdoğru O., Komesli O. T. , Yılmaz A. E. , Bakirdere S.
Environmental Monitoring and Assessment, cilt.191, 2019 (SCI İndekslerine Giren Dergi)
- **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**
YILMAZ 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)
- **Determination of endocrine disruptive phenolic compounds by gas chromatography mass spectrometry after multivariate optimization of switchable liquid-liquid microextraction and assessment of green profile**
Karayaka S., Chormey D. S. , Firat M., BAKIRDERE S.
Chemosphere, cilt.235, ss.205-210, 2019 (SCI İndekslerine Giren Dergi)
- **Radiation interaction parameters for blood samples of breast cancer patients: an MCNP study**
Toker O., Caglar M., Öz E., Bakirdere S., Topdağı Ö., Eyecioglu O., İçelli O.
RADIATION AND ENVIRONMENTAL BIOPHYSICS, cilt.58, ss.531-537, 2019 (SCI İndekslerine Giren Dergi)
- **Accurate and sensitive determination of lead in black tea samples using cobalt magnetic particles based dispersive solid-phase microextraction prior to slotted quartz tube-flame atomic absorption spectrometry**
Akkaya E., Erulas F. A. , Büyükpınar Ç., BAKIRDERE S.
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- **Determination of micropollutants in wastewater matrix using gas chromatography-mass spectrometry after optimization of dispersive liquid-liquid microextraction**
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INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, cilt.16, ss.7285-7292, 2019 (SCI İndekslerine Giren Dergi)
- **Determination of trace nickel in spinach samples using the combination of vortex-assisted deep eutectic solvent-based liquid phase microextraction and slotted quartz tube-flame atomic absorption spectrometry**
Alacakoç B., Tekin Z., UNUTKAN T., ÇETİN G., BAKIRDERE S.
Atomic Spectroscopy, cilt.40, ss.233-237, 2019 (SCI Expanded İndekslerine Giren Dergi)
- **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)
- **Determination of palladium in soil samples by slotted quartz tube-flame atomic absorption spectrophotometry after vortex-assisted ligandless preconcentration with magnetic nanoparticle-based dispersive solid-phase microextraction.**
Aylin K., Sel S., Özkan B., Bakirdere S.
Environmental monitoring and assessment, cilt.191, ss.692, 2019 (SCI İndekslerine Giren Dergi)
- **Experimental design of switchable solvent-based liquid phase microextraction for the accurate determination of etrimfos from water and food samples at trace levels by GC-MS**
Firat M., Chormey D. S. , Bakirdere S., Turak F.
Environmental Monitoring and Assessment, cilt.191, 2019 (SCI İndekslerine Giren Dergi)

- **Analysis of Conventionally and Magnetic-Field Dried Fruit and Nuts for Mycotoxins by High-Performance Liquid Chromatography-Tandem Mass Spectrometry (HPLC-MS/MS) and Trace Elements by Inductively Coupled Plasma-Mass Spectrometry (ICP-MS)**
İçelli O., Öz E., Bakırdere S., Nuroglu E.
ANALYTICAL LETTERS, 2019 (SCI İndekslerine Giren Dergi)
- **Optimization of atrazine removal from synthetic groundwater by electrooxidation process using titanium dioxide and graphite electrodes**
BAKARAKI TURAN N., SARIERKAN H., ÇAĞLAK A., BAKIRDERE S., ENGİN G.
Separation Science And Technology, ss.1-10, 2019 (SCI İndekslerine Giren Dergi)
- **Binary dispersive liquid-liquid microextraction strategy for accurate and precise determination of micropollutants in lake, well and wastewater matrices**
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Bulletin Of Environmental Contamination And Toxicology, ss.1-10, 2019 (SCI İndekslerine Giren Dergi)
- **Determination of butyltin compounds in fish and mussel samples at trace levels by vortex assisted dispersive liquid-liquid microextraction-gas chromatography mass spectrometry**
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- **A Sensitive and Effective Analytical Method for Determination of Iron in Hair Samples by Slotted Quartz Tube - Flame Atomic Absorption Spectrometry after Preconcentration with Switchable Solvent Based Liquid Phase Microextraction Method**
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- **Simultaneous Determination of Dioxcarb, Trifluralin, Tefluthrin And Flumetralin in Tap Water and Wastewater Samples by Gas Chromatography Mass Spectrometry after Vortex Assisted Switchable Solvent Based Liquid Phase Microextraction**
Dalgıç Bozyiğit G., Firat Ayyıldız M., Chormey D. S. , Engin G., Bakırdere S.

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- **An Accurate and Precise Determination Method for Propineb in Black Tea and Infant Formula Samples by GC - MS after Applying a New Derivatization Technique and Dispersive Liquid - Liquid Microextraction Method**

Bodur S., Erarpat S., Günkara Ö. T. , Chormey D. S. , Bakırdere S.

2nd International Congress on Analytical and Bioanalytical Chemistry (2nd ICABC 2020), Antalya, Türkiye, 11 - 14 Mart 2020, ss.104

- **Trace cobalt determination in lake water samples by ultraviolet based photochemical vapor generation - T - shaped slotted quartz tube atom trap - flame atomic absorption spectrophotometry**

Yazıcı E., Büyükpınar Ç., San N., Komesli O. T. , Bakırdere S.

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- **Trace Determination of Cadmium using Ultrasound Assisted Deep Eutectic Solvent Microextraction - Slotted Quartz Tube - Flame Atomic Absorption Spectrometry**

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- **Trace Determination of Organochlorine Pesticides and Hormones by the Combination of QuEChERS and Ultrasonic - Assisted Switchable Solvent Liquid Phase Microextraction with GC - MS**

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- **Switchable Solvent Based Liquid Phase Microextraction: An Alternative Method for the Determination of Manganese in Water and Soil Samples**

Zaman B. T. , Bakaraki Turan N., Bakırdere E. G. , Topal S., Sağsöz O., Bakırdere S.

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- **Zirconium Nanoparticles based Solid Phase Extraction Prior to Slotted Quartz Tube - Flame Atomic Absorption Spectrophotometry for the Determination of Cadmium in Wastewater Samples and Evaluation of Green Profile**

Tekin Z., Özdoğan N., Bakırdere S.

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- **A Novel Analytical Strategy for the Determination of Cadmium in Milk Powder, Linden and Mint Samples: Molybdenum Coated T - Shaped Slotted Quartz Tube - Flame Atomic Absorption Spectrophotometry (Mo - T - SQT - AT - FAAS)**

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- **Toxic And Endocrine Disrupter Chemicals In Foods And Food Chain**

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- **Ultraviolet Based Photochemical Vapor Generation T-Shaped Slotted Quartz Tube-Atom Trap-Flame Atomic Absorption Spectrophotometry for the Accurate and Sensitive Determination of Antimony**

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- **Optimization of a Highly Selective Dispersive Solid Phase Extraction Method Using Oleic Acid Functionalized Magnetic Nanoparticles for the Determination of Fenazaquin at Trace Levels in Almond Samples by Gas Chromatography Mass Spectrometry**

Bakaraki Turan N., Zaman B. T. , Bakırdere S.

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- **Enhancing the accuracy and precision in quantifying the pesticides present in complex environmental**

and food samples by GC-MS using matrix matching calibration and isotopically labeled internal standard

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• **The Device Design for Thin-Film Coating That Combines Different Techniques for High Efficiency**

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• **Simultaneous Determination of Selected Drug Active Compounds in Wastewater Matrix by Binary Solvent Dispersive Liquid-Liquid Microextraction-LC-QTOF-MS/MS System**

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• **Sensitive and Accurate Analytical Method for the Determination of Cobalt: Vortex Assisted Deep Eutectic Solvent-Liquid Phase Microextraction-Slotted Quartz Tube-Flame Atomic Absorption Spectrometry**

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• **An Accurate and Sensitive Reverse Phase High Performance Liquid Chromatography Method for the Determination of Arbutin in Blueberry Samples**

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• **Determination of Lead at Trace Levels in Red Pepper Sample by Atomic Absorption Spectrophotometry Combined with Slotted Quartz Tube After Stearic Acid Coated Magnetic Nanoparticle Based Dispersive Solid Phase Microextraction**

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• **A Simple and Green Switchable Solvent Based Microextraction Method by Using Novel Schiff Base Ligand for Iron Determination in Mineral Spring Waters Prior to Slotted Quartz Tube-Atomic Absorption Spectrophotometry**

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- **Simultaneous determination of procymidone, chlorfloreinol and iprodione in wastewater and lake water by GC-MS after experimental design of binary dispersive liquid-liquid microextraction**

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- **Quadrupole Isotope Dilution Mass Spectrometry-Dispersive Liquid-Liquid Microextraction Using Multivariate Optimization: A Novel Analytical Approach for the Determination of Parathion Methyl in Water**
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