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Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, Yıldız Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Kimya Mühendisliği, Türkiye 2016 - 2022
Yüksek Lisans, Yıldız Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Kimya Mühendisliği, Türkiye 2013 - 2016
Lisans, Yıldız Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Kimya Mühendisliği, Türkiye 2008 - 2013

Yabancı Diller

İngilizce, C1 İleri

Sertifika, Kurs ve Eğitimler

Kalite Yönetimi, ISO 14001 Çevre Yönetim Sistemi, KOSGEB, 2014
İş Sağlığı ve Güvenliği, OHSAS 18001 İş Sağlığı ve Güvenliği, Bureau Veritas, 2014
Kalite Yönetimi, ISO 14001 Çevre Yönetim Sistemi, Bureau Veritas, 2014

Yaptığı Tezler

Doktora, Organik/İnorganik Kirleticilerin Ultraeser Seviyelerde Tayinlerine Yönelik Yeni Analitik Stratejilerin Geliştirilmesi, Yıldız Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Kimya Müh.Bölümü, 2022
Yüksek Lisans, AMOKSİSİLİNİN FARKLI MATRİKSLERDE YÜKSEK BASINÇLI SIVI KROMATOGRAFİ SİSTEMİ İLE DÜŞÜK SEVİYELERDE TAYİNİ, Yıldız Teknik Üniversitesi, Kimya-Metakurji Fakültesi, Kimya Mühendisliği, 2016

Araştırma Alanları

Kimya Mühendisliği ve Teknolojisi , Kimya, Analitik Kimya, Adsorpsiyon Spektroskopisi, Kromatografi, Kütle Spektroskopisi, Temel Bilimler

Akademik Unvanlar / Görevler

Öğretim Görevlisi Dr., Yıldız Teknik Üniversitesi, Rektörlük, Rektörlük, 2017 - Devam Ediyor

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

I. **Determination of trace levels of thiazopyr residues in oolong tea samples using metal sieve-linked double syringe based liquid-phase microextraction coupled with gas chromatography-mass spectrometry**
Aydın N., UNUTKAN GÖSTERİŞLİ T., BAKIRDERE S.
Journal of Food Composition and Analysis, cilt.132, 2024 (SCI-Expanded)

II. **Development of A Liquid-Phase Microextraction Method for Simultaneous Determination of Parabens in Lipstick Samples at Trace Levels by High-Performance Liquid Chromatography**
UNUTKAN GÖSTERİŞLİ T., Kublay I. Z., KEYF S., BAKIRDERE S.
Journal of Chromatographic Science, cilt.62, sa.3, ss.295-300, 2024 (SCI-Expanded)

III. **Determination of Thallium in Tea with Preconcentration by Microwave-Assisted Synthesized Molybdenum Disulfide Nanoparticles and Flame Atomic Absorption Spectrometry (FAAS) Analysis**
Tışlı B., Gösterişli T., BAKIRDERE S.
Analytical Letters, cilt.57, sa.11, ss.1715-1726, 2024 (SCI-Expanded)

IV. **Distribution of elements in rock/soil and seaweed/moss samples from the West Antarctic region**
KOÇOĞLU E. S., Gösterişli T., Tekin Z., Borahan T., ÖZ E., BAKIRDERE S.
International Journal of Environmental Science and Technology, cilt.20, sa.7, ss.7533-7542, 2023 (SCI-Expanded)

V. **Development of a double monitoring system for the determination of Cr(VI) in different water matrices by HPLC-UV and digital image-based colorimetric detection method with the help of a metal sieve-linked double syringe system in complexation**
Unutkan Gösterişli T., Oflu S., Keyf S., Bakırdere S.
ENVIRONMENTAL MONITORING AND ASSESSMENT, cilt.194, sa.10, 2022 (SCI-Expanded)

VI. **Determination of trace cadmium in seawater using combination of polystyrene coated magnetic nanoparticles based DSPE and triethylamine assisted Mg(OH)(2) method**
Seda Koçoğlu E. S., Zehra Kublay İ., UNUTKAN GÖSTERİŞLİ T., BAKIRDERE S.
MICROCHEMICAL JOURNAL, cilt.179, 2022 (SCI-Expanded)

VII. **Accurate and Sensitive Determination of Concentrations of Twenty-Two Elements in the Surface Water from West Antarctica**
UNUTKAN GÖSTERİŞLİ T., KOÇOĞLU E. S., ÖZTÜRK ER E., BAKIRDERE S.
WATER AIR AND SOIL POLLUTION, cilt.233, sa.7, 2022 (SCI-Expanded)

VIII. **Development of a metal sieve-linked double syringe liquid phase microextraction method for the determination of copper in olive leaf extract samples by flame atomic absorption spectrometry**
Gösterişli T., Kublay İ. Z., Oflu S., Kılınç Y., Koçoğlu E. S., Zaman B. T., Keyf S., Bakırdere S.
Food Chemistry, cilt.377, 2022 (SCI-Expanded)

IX. **Determination of Palladium in Precious Metal Waste by Sieve Conducted Two Syringes Pressurized Liquid Phase Microextraction (SCTS-PLPME) and Slotted Quartz Tube Flame Atomic Absorption Spectrometry (SQT-FAAS)**
Unutkan Gösterişli T., Cesur B., Tezgit E., Bakırdere E. G., Keyf S., Bakırdere S.
ANALYTICAL LETTERS, cilt.55, sa.2, ss.175-185, 2022 (SCI-Expanded)

X. **A basic and effective liquid phase microextraction with a novel automated mixing system for the determination of cobalt in quince samples by flame atomic absorption spectrometry**
Gösterişli T., Zaman B. T., Bakirdere E. G., Keyf S., Bakırdere S.
Food Chemistry, cilt.361, 2021 (SCI-Expanded)

XI. **Determination of pyridaphenthion in soybean sprout samples by gas chromatography mass spectrometry with matrix matching calibration strategy after metal sieve linked double syringe based liquid-phase microextraction**
Özcan R., Cesur B., Tezgit E., Unutkan Gösterişli T., BAKIRDERE S.

Food Chemistry, cilt.342, 2021 (SCI-Expanded)

XII. **Determination of Manganese in Coffee and Wastewater Using Deep Eutectic Solvent Based Extraction and Flame Atomic Absorption Spectrometry**
Tisli B., Gosterisli T., Zaman B. T., BAKIRDERE E. G., BAKIRDERE S.
Analytical Letters, cilt.54, sa.6, ss.979-989, 2021 (SCI-Expanded)

XIII. **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, cilt.53, sa.17, ss.2748-2760, 2020 (SCI-Expanded)

XIV. **Simple, Accurate and Precise Determination of the Fungicide Zoxamide in Wine and the Characterization of its Stability in Gastric Conditions by Reverse-Phase High-Performance Liquid Chromatography (RP-HPLC)**
Borahan T., UNUTKAN T., BAKIRDERE S.
Analytical Letters, cilt.53, sa.7, ss.1053-1060, 2020 (SCI-Expanded)

XV. **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-Expanded)

XVI. **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, sa.2, 2020 (SCI-Expanded)

XVII. **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, sa.6, ss.233-237, 2019 (SCI-Expanded)

XVIII. **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., Bakırdere S.
FOOD CHEMISTRY, cilt.299, 2019 (SCI-Expanded)

XIX. **Ultrasound assisted deep eutectic solvent based microextraction-slotted quartz tube-flame atomic absorption spectrometry for the determination of cadmium**
UNUTKAN T., Tışlı B., Tekin Z., ÇETİN G., BAKIRDERE S.
SPECTROCHIMICA ACTA PART B-ATOMIC SPECTROSCOPY, cilt.155, ss.1-3, 2019 (SCI-Expanded)

XX. **A rapid and sensitive reversed phase-HPLC method for simultaneous determination of ibuprofen and paracetamol in drug samples and their behaviors in simulated gastric conditions**
Borahan T., UNUTKAN T., Şahin A., BAKIRDERE S.
Journal of Separation Science, cilt.42, sa.3, ss.678-683, 2019 (SCI-Expanded)

XXI. **Accurate and Sensitive Analytical Strategy for the Determination of Antimony: Hydrogen Assisted T-Shaped Slotted Quartz Tube-Atom Trap-Flame Atomic Absorption Spectrometry**
UNUTKAN T., KOYUNCU İ., Diker C., Fırat M., Büyükpınar Ç., BAKIRDERE S.
Bulletin of Environmental Contamination and Toxicology, cilt.102, sa.1, ss.122-127, 2019 (SCI-Expanded)

XXII. **A novel analytical method for sensitive determination of lead: Hydrogen assisted T-shape slotted quartz tube-atom trap-flame atomic absorption spectrometry**
Uslu H., Büyükpınar Ç., Unutkan T., Serbest H., San N., Turak F., Bakırdere S.
MICROCHEMICAL JOURNAL, cilt.137, ss.155-159, 2018 (SCI-Expanded)

XXIII. **Development of an Analytical Method for the Determination of Amoxicillin in Commercial Drugs and Wastewater Samples, and Assessing its Stability in Simulated Gastric Digestion**

Unutkan T., Bakırdere S., Keyf S.
JOURNAL OF CHROMATOGRAPHIC SCIENCE, cilt.56, ss.36-40, 2018 (SCI-Expanded)

XXIV. **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., Bakırdere E. G., Unutkan T., Bakırdere S.
JOURNAL OF TRACE ELEMENTS IN MEDICINE AND BIOLOGY, cilt.49, ss.13-18, 2018 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

I. **Development of an Analytical Method for the Determination of Cymoxanil in Potato Flour Samples by High Performance Liquid Chromatography**
Unutkan" T.
Sakarya Üniversitesi Fen Bilimleri Enstitüsü Dergisi, cilt.27, sa.5, ss.1002-1007, 2023 (Hakemli Dergi)

Hakemli Bilimsel Toplantılarda Yayımlanmış Bildiriler

I. **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**
Tekin Z., UNUTKAN T., Erulaş F. A., BAKIRDERE E. G., BAKIRDERE S.
1st INTERNATIONAL CONGRESS on ANALYTICAL and BIOANALYTICAL CHEMISTRY, Antalya, Türkiye, 27 Mart 2019, ss.161

II. **Sensitive 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., Bakariki Turan N., TURAK F., BAKIRDERE S.
1st INTERNATIONAL CONGRESS on ANALYTICAL and BIOANALYTICAL CHEMISTRY, Antalya, Türkiye, 27 Mart 2019, ss.225

III. **A rapid and sensitive RP-HPLC method for simultaneous determination of ibuprofen and paracetamol in drug samples and their behaviour in simulated gastric conditions**
Borahan T., UNUTKAN T., Şahin A., BAKIRDERE S.
11th Aegean Analytical Chemistry Days (AACD2018), Girit, Yunanistan, 25 Eylül 2018

IV. **Accurate and sensitive analytical strategy for the determination of trace antimony: Hydrogen assisted T-shaped slotted quartz tube-atom trap-flame atomic absorption spectrometry**
UNUTKAN T., KOYUNCU İ., Diker C., Fırat M., BÜYÜKPINAR Ç., BAKIRDERE S.
11th Aegean Analytical Chemistry Days (AACD2018), Girit, Yunanistan, 25 Eylül 2018

V. **Sensitive Determination of Lead using Slotted Quartz T Tube-Atom Trap-Flame Atomic Absorption Spectrometry**
Uslu H., UNUTKAN T., Serbest H., BÜYÜKPINAR Ç., TURAK F., BAKIRDERE S.
7th International IUPAC Conference on Green Chemistry, Moskova, Rusya, 02 Ekim 2017, ss.58

VI. **Development of an Analytical Method for the Determination of Amoxicillin in Commercial Drugs and Wastewater Samples, and Assessing its Stability in Simulated Gastric Digestion**
Unutkan T., Koçoğlu E. S., Bakırdere S., Keyf S.
10th Aegean Analytical Chemistry Days, Çanakkale, Türkiye, 29 Eylül - 02 Ekim 2016, ss.21

Desteklenen Projeler

Bakırdere S., Öz E., Özdoğan N., Öztürk Er E., TÜBİTAK Projesi, Horseshoe Adasındaki Çevresel Örneklerde

Organik/İnorganik Kirleticilerin, Değerli Metallerin ve Radyoaktif Elementlerin Önderiştirme Yöntemleri ile Birleştirilmiş Kromatografik ve Spektroskopik Yöntemler Kullanılarak Yüksek Doğruluk ve Duyarlılıkta Tayinleri, 2020 - 2023
Keyf S., Unutkan Gösterişli T., Bakırdere S., Yükseköğretim Kurumları Destekli Proje, Antibiyotiklerdeki aktif maddelerin Yüksek Basınçlı Sıvı Kromatografi (HPLC) metoduyla tayin edilimesi, 2014 - 2017

Metrikler

Yayın: 37
Atıf (WoS): 304
Atıf (Scopus): 381
H-İndeks (WoS): 10
H-İndeks (Scopus): 10