

Prof. Dr. Sezgin BAKIRDERE

Kişisel Bilgiler

E-posta: bsezgin@yildiz.edu.tr

Web: <https://avesis.yildiz.edu.tr/bsezgin>

Uluslararası Araştırmacı ID'leri

ORCID: 0000-0001-9746-3682

ScopusID: 6506190285

Yoksis Araştırmacı ID: 137708

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 Spektroskopi, 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

AKADEMİK İDARI DENEYİM

Dekan, Yıldız Teknik Üniversitesi, Uygulamalı Bilimler Fakültesi, 2017 - 2021

Uygulama ve Araştırma Merkezi Müdürü, Yıldız Teknik Üniversitesi, 2016 - 2020

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
- Bakırdere S., Özdoğan N., Farklı Analitlerin Önderiştirilmesinde Zirkonyum Nanopartiküllerin Kullanılması, Yüksek Lisans, Z.TEKİN(Öğrenci), Devam Ediyor
- Bakırdere 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
- Bakırdere S., Balık Yağı Örneklerinde Bulunan Organik Analitlerin Ters Faz Dağıtıcı Sıvı-Sıvı Mikroekstraksiyon Stratejisi Kullanılarak Eser Seviyelerde Tayinleri, Yüksek Lisans, G.ÖZZEYBEK(Öğrenci), Devam Ediyor
- Bakırdere S., Uçucu Bileşen Oluşturma Alevli Atomik Absorpsiyon Sisteminde Antimon Tayinine Yönelik Analitik Yöntem Geliştirme, Yüksek Lisans, E.YAZICI(Öğrenci), Devam Ediyor
- Bakırdere S., Türleme Çalışmalarında Tayin Limitlerinin Düşürülmesine Yönelik Analitik Yöntemlerin Geliştirilmesi, Yüksek Lisans, S.BODUR(Öğrenci), Devam Ediyor
- Bakırdere S., Poli Aromatik Hidrokarbonların Tayininde Yeni Analitik Stratejiler, Yüksek Lisans, M.Selin(Öğrenci), Devam Ediyor
- Bakırdere S., Nanokompozitler kullanılarak seçili mikrokirleticilerin çevre örneklerinde eser seviyelerde tayinleri, Yüksek Lisans, B.TIŞLI(Öğrenci), Devam Ediyor
- Bakırdere S., Combination of Microextraction Strategies and T-Shaped Quartz Tube to Lower the Detection Limits, Doktora, E.AKKAYA(Öğrenci), Devam Ediyor
- Bakırdere S., Bakırdere E. G., New solid and liquid phase microextraction strategies for trace analyte determinations in atomic spectroscopy, Doktora, B.Tuğba(Öğrenci), Devam Ediyor
- Bakırdere S., Vücut sıvılarında bulunan farklı hastalık belirteçlerinin tayinlerine yönelik analitik stratejilerin geliştirilmesi, Doktora, U.BALÇIK(Öğrenci), Devam Ediyor
- Bakırdere S., Moleküler Baskılı Polimerlerin Analitik Uygulamaları, Yüksek Lisans, N.Aylin(Öğrenci), Devam Ediyor
- Keyf S., Bakırdere S., Organik/İnorganik Kirleticilerin Ultraeser Seviyelerde Tayinlerine Yönelik Yeni Analitik Stratejilerin Geliştirilmesi, Doktora, T.UNUTKAN(Öğrenci), Devam Ediyor
- Engin G., Bakırdere S., Simultaneous Determination of Nervous System Drugs and Their Treatment From Wastewater by Novel Adsorption Technologies, Doktora, G.DALGIÇ(Öğrenci), Devam Ediyor
- Bakırdere S., Accurate and sensitive determination of organic and inorganic contaminants in body fluids and environmental samples using novel analytical strategies, Doktora, S.ERARPAT(Öğrenci), Devam Ediyor
- Bakırdere S., Acı biber örneklerinde kapsaisin tayinine yönelik özgün mikroekstraksiyon yöntemleri geliştirilmesi, Yüksek Lisans, İ.ŞAHİN(Öğrenci), Devam Ediyor
- Bakırdere S., Eser Seviyelerde Melamin Tayinine Yönelik Analitik Yöntem Geliştirilmesi, Yüksek Lisans, E.MALTEPE(Öğrenci), Devam Ediyor
- Bakırdere S., Can S., Selenyum, krom türlemesi ve ceviz köken tayinine yönelik yüksek doğruluk ve duyarlılıkta analitik yöntemler geliştirilmesi, Doktora, B.Arı(Öğrenci), Devam Ediyor
- Bakırdere S., Farklı Matrikslerde Bulunan Endokrin Bozucu Maddelerin Önderiştirme Sonrası Eser Seviyelerde Tayinleri, Doktora, D.Selali(Öğrenci), Devam Ediyor
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- Özbek B., Bakırdere S., Determination of Trace Analytes in Biological Fluids by Q TOF LC/MS Using Isotope Dilution Method, Doktora, E.ÖZTÜRKER(Öğrenci), 2020
- Bakırdere S., Development of analytical strategies for accurate and precise determination of endocrine disruptive chemicals in biological and environmental matrices, Yüksek Lisans, S.ERARPAT(Öğrenci), 2019
- Bakırdere S., Pestisit ve Endokrin Bozucu Maddelerin Düşük Seviyelerde Eşzamanlı Tayinleri ve Biyoerişebilirlik

Seviyelerinin Belirlenmesi, Yüksek Lisans, U.Balçık(Öğrenci), 2019

Özdoğan N., Bakırdere S., Farklı pestisitlerin akıllı ve ikili dağıtıcı sıvı sıvı mikroekstraksiyon stratejileri ile yüksek doğruluk ve duyarlılıkla eşzamanlı tayinleri, Yüksek Lisans, F.KAPUKIRAN(Öğrenci), 2019

Bakırdere S., Uçucu Bileşen Oluşturma -Atomik Absorpsiyon Spektrofotometre Sisteminde Analitlerin Düşük Seviyelerde Tayinleri, Yüksek Lisans, B.Tuğba(Öğrenci), 2018

Bakırdere S., Determination of trace and ultratrace cadmium in different matrices using microextraction strategies and analysis methods, Yüksek Lisans, E.AKKAYA(Öğrenci), 2018

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

İçelli O., Bakırdere S., Ses dalgaları, manyetik alan ve elektrik alan etkisinde kurutulan gıdalardamikotoksinlerin tayini ve fiziksel/kimyasal parametrelerin incelenmesi, Doktora, E.Nuroğlu(Öğrenci), 2016

Keyf S., Bakırdere S., Amoksisilinin Farklı Matrislerde Yüksek Basıncılı Sıvı Kromatografi Sistemi İle Düşük Seviyelerde Tayini, Yüksek Lisans, T.UNUTKAN(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., Valsartanın Farklı Matrislerde Tayinine Yönelik Analitik Yöntem Geliştirilmesi ve Kararlılık Çalışması, Yüksek Lisans, H.Serbest(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.Seltuğ(Öğrenci), 2016

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Trace element determination using mass spectrometry coupled detection methods**
Chormey D. S., Er E. Ö., ERARPAT BODUR S., Zaman B. T., Bodur S., Kustanto T. B., Kayın İ., BAKIRDERE S.
Trends in Environmental Analytical Chemistry, cilt.45, 2025 (SCI-Expanded)
- II. **Preconcentration of bismuth using nickel hydroxide nanoflower from water samples and determination by FAAS**
YILDIZ O. B., Durukan İ., Şaylan M., Zaman B. T., BAKIRDERE S.
Environmental Monitoring and Assessment, cilt.197, sa.1, 2025 (SCI-Expanded)
- III. **Development an effective adsorptive treatment strategy for the removal of cadmium from textile wastewater by CuBi2O4@Fe3O4 nanocomposites**
Büyük M. A., Serbest H., DALGIÇ BOZYİĞİT G., BAKIRDERE S.
Chemical Engineering Communications, cilt.212, sa.3, ss.409-421, 2025 (SCI-Expanded)
- IV. **Determination of copper at trace levels in fennel tea samples by flame atomic absorption spectrometry after the implementation of simultaneous complexation and supramolecular solvent based spraying assisted liquid phase microextraction**
Tutar B. K., Tutar Ö. F., Bodur S., Derin Y., Tutar A., BAKIRDERE S.
Journal of Food Composition and Analysis, cilt.137, 2025 (SCI-Expanded)
- V. **Dispersive solid phase extraction and quadruple isotope dilution–mass spectrometry combination for the accurate and sensitive quantification of capsaicin in pepper, domestic wastewater and human saliva samples by GC–MS system**
Bodur S., ERARPAT BODUR S., GÜRSOY S., Ayyıldız M. F., Kartoğlu B., Akbiyik H., GÜNKARA Ö. T., BAKIRDERE S.
Microchemical Journal, cilt.208, 2025 (SCI-Expanded)
- VI. **A simple and efficient magnetic solid phase extraction strategy assisted by CoS@polypyrrole@Fe3O4 nanocomposite for determination of palladium in the soil samples**
Zeytinci N. K., Akbiyik H., Zaman B. T., Şahin Ç., BAKIRDERE S.
Microchemical Journal, cilt.208, 2025 (SCI-Expanded)

- VII. **Synthesis of calcium phosphate nanomaterial from quail eggshell for cadmium removal from wastewater and its genotoxic/cytotoxic properties**
Demir C., Bakırdere B. E., Zaman B. T., Öner M., DALGIÇ BOZYİĞİT G., Ergenler A., Turan F., Nejati O., Öztürk A. B., ÇETİN G., et al.
Environmental Monitoring and Assessment, cilt.196, sa.12, 2024 (SCI-Expanded)
- VIII. **Simultaneous determination of nineteen azo dyes in water samples by gas chromatography-mass spectrometry after Fe₃O₄@COF based dispersive solid phase extraction**
Karlıdağ N. E., Bodur S. E., GÜNKARA Ö. T., BAKIRDERE S.
Scientific Reports, cilt.14, sa.1, 2024 (SCI-Expanded)
- IX. **Combination of spraying based liquid phase microextraction and liquid chromatography-tandem mass spectrometry for the determination of colchicine at ultra-trace levels in artificial urine and serum samples**
Kutlu R., Bodur S., GÜNKARA Ö. T., BAKIRDERE S.
Microchemical Journal, cilt.207, 2024 (SCI-Expanded)
- X. **Mn₃O₄-MnOOH nanocomposites for the adsorption-based removal of nickel ions from wastewater**
Doru E. S., Öztürk Er E., Zaman B. T., BAKIRDERE S.
Environmental Monitoring and Assessment, cilt.196, sa.12, 2024 (SCI-Expanded)
- XI. **Microwave-assisted synthesis of antimony oxide nanoparticles for the determination of trace cadmium in mulberry leaf tea matrices by flame atomic absorption spectrophotometry**
İnce M. N., Serbest H., BAKIRDERE S.
Journal of Analytical Science and Technology, cilt.15, sa.1, 2024 (SCI-Expanded)
- XII. **Removal of cadmium ions from synthetic wastewater samples by copper ferrite magnetic nanoparticle-assisted batch-type adsorption-based removal strategy**
Zaman B. T., Akbıyık H., Girgin A., DALGIÇ BOZYİĞİT G., BAKIRDERE E. G., BAKIRDERE S.
Environmental Monitoring and Assessment, cilt.196, sa.12, 2024 (SCI-Expanded)
- XIII. **Spray-assisted drop formation liquid-phase microextraction for the determination of sertraline in environmental water samples with matrix-matching calibration in GC-MS**
Zeytinci N. K., Akbıyık H., Tezgin E., Zaman B. T., DALGIÇ BOZYİĞİT G., Şaylan M., BAKIRDERE S.
Journal of Analytical Science and Technology, cilt.15, sa.1, 2024 (SCI-Expanded)
- XIV. **Combination of quadruple isotope dilution strategy and dispersive solid phase extraction method for accurate quantification of selected steroid hormones**
Ular Çağatay N., Bodur S., Bodur S. E., Maviş M. E., BAKIRDERE S.
Analytical Methods, cilt.17, sa.2, ss.256-264, 2024 (SCI-Expanded)
- XV. **Microwave-Assisted Synthesis of Selenium Nanoparticles: Bioactivity Insights**
Tırlı B., Nejati O., Torkay G., Giray B., Bal-Öztürk A., BAKIRDERE S.
ChemistrySelect, cilt.9, sa.43, 2024 (SCI-Expanded)
- XVI. **Microwave-Assisted Synthesis Method for the Production of Carbon Nano Dots and Its Genotoxicity Assessment**
Tekin Z., Ergenler A., Zaman B. T., GÜNKARA Ö. T., Depci T., Turan F., BAKIRDERE S.
ChemistrySelect, cilt.9, sa.37, 2024 (SCI-Expanded)
- XVII. **A simple and efficient supramolecular solvent based liquid phase microextraction method for the preconcentration of nickel from dandelion tea samples before FAAS quantification, and the practicality and greenness assessment of developed method**
Kartoğlu B., Bodur S., Gülhan Bakırdere E., BAKIRDERE S.
Microchemical Journal, cilt.205, 2024 (SCI-Expanded)
- XVIII. **Microwave-assisted synthesis of γ -alooH nanoflowers as an adsorbent for cadmium removal from domestic wastewater**
Metin B., DALGIÇ BOZYİĞİT G., Zaman B. T., Er E. Ö., TURAK F., BAKIRDERE S.
Environmental monitoring and assessment, cilt.196, sa.10, ss.996, 2024 (SCI-Expanded)
- XIX. **Development of dispersive solid phase extraction method for the preconcentration of parathion ethyl as a simulant of nerve agent sarin from soil, plant and water samples prior to GC-MS**

determination

Bodur S., ERARPAT BODUR S., Tutar B. K., BAKIRDERE S., Yağmuroğlu O.
Environmental Monitoring and Assessment, cilt.196, sa.9, 2024 (SCI-Expanded)

- XX. **Determination of trace amounts of metobromuron herbicide residues in fruits by QuEChERS and DLLME methods**
Ofllu S., Zaman B. T., Kılınç Y., Bakırdere S., Turak F.
Journal of Food Composition and Analysis, cilt.133, 2024 (SCI-Expanded)
- XXI. **Determination of capsaicin at trace levels in different food, biological and environmental samples by quadruple isotope dilution-gas chromatography mass spectrometry after its preconcentration**
ERARPAT BODUR S., Bodur S., Ayyıldız M. F., GÜNKARA Ö. T., Dikmen Y., Doru E. S., BAKIRDERE S.
Journal of Chromatography A, cilt.1731, 2024 (SCI-Expanded)
- XXII. **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)
- XXIII. **Efficient removal of estrone and 17 β -estradiol from aqueous medium using UV irradiation-assisted fenton process**
Dikmen Y., Şaylan M., Ofllu S., Ayyıldız M. F., Serbest H., DALGIÇ BOZYİĞİT G., BAKIRDERE S.
Chemical Papers, cilt.78, sa.13, ss.7477-7486, 2024 (SCI-Expanded)
- XXIV. **CoSn(OH)₆ nanocubes as a solid sorbent for the effective preconcentration of copper ions in cinnamon (Cinnamomum zeylanicum) extract**
Bağcıvan A., Şaylan M., SAĞDIÇ O., BAKIRDERE S.
Food Chemistry, cilt.447, 2024 (SCI-Expanded)
- XXV. **Graphene oxide-zinc oxide nanocomposite modified disposable electrodes for detection of uric acid in fetal bovine serum**
Yıldırım A., Maral M., Tugba Zaman B., Bozoglu A., Demir C., BAKIRDERE S., Erdem A.
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- XXVI. **Determination of ethalfluralin in soy flour samples using MnO₂-deep eutectic solvent based nanofluid for its preconcentration prior to GC-FID measurement**
Gürsoy S., Bombom M., Zaman B. T., TURAK F., Er E. Ö., Korkunç Ü. P., BAKIRDERE S.
Chemical Papers, cilt.78, sa.11, ss.6545-6552, 2024 (SCI-Expanded)
- XXVII. **Determination of acetylcysteine and cysteine in pharmaceutical formulations using a smartphone-based digital image colorimetric method**
Şahin N., Kustanto T. B., Zaman B. T., Korkunç Ü. P., Gel M. S., BAKIRDERE S.
Chemical Papers, cilt.78, sa.10, ss.6203-6210, 2024 (SCI-Expanded)
- XXVIII. **Simultaneous removal of mixed pesticides and natural organic matter from surface waters by nitric and chlorosulfonic acid functionalized powdered activated carbon**
Aykut-Senel B., Ozgur C., BAKIRDERE S., KAPLAN BEKAROĞLU Ş. Ş., ATEŞ N.
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- XXIX. **Development of a novel treatment strategy for the removal of cadmium from wastewater samples using poly(vinyl alcohol)-based magnetic hydrogel beads**
Karlıdağ N. E., Göver T., Er E. Ö., DALGIÇ BOZYİĞİT G., TURAK F., BAKIRDERE S.
Journal of Nanoparticle Research, cilt.26, sa.6, 2024 (SCI-Expanded)
- XXX. **Determination of copper ion at trace levels in apple tea samples by simultaneous complexation and spray assisted microextraction method prior to detection by flame atomic absorption spectrophotometry**
Diridiri P. N., Bodur S., Bayraktar A., GÜNKARA Ö. T., BAKIRDERE S.
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- XXXI. **Determination of phenytoin at trace levels in domestic wastewater and synthetic urine samples by gas chromatography-mass spectrometry after its preconcentration by simple liquid-phase**

microextraction

Bodur S. E., Ayan G. N., Bodur S., GÜNKARA Ö. T., BAKIRDERE S.
Environmental Monitoring and Assessment, cilt.196, sa.5, 2024 (SCI-Expanded)

- XXXII. **Microwave-Assisted Hydrothermal Synthesis of Zinc-tin Based Nanoflower for the Adsorptive Removal of Cadmium from Synthetic Wastewater**
Toprak M., YILDIZ O. B., Zaman B. T., DALGIÇ BOZYIĞİT G., Temuge İ. D., ÇETİN G., BAKIRDERE S.
Water, Air, and Soil Pollution, cilt.235, sa.5, 2024 (SCI-Expanded)
- XXXIII. **Determination of copper in rose tea samples using flame atomic absorption spectrometry after emulsification liquid-liquid microextraction**
Kartoğlu B., Bodur S., ZEYDANLI D., Göver T., Özaydın E., Gülhan Bakirdere E., BAKIRDERE S.
Food Chemistry, cilt.439, 2024 (SCI-Expanded)
- XXXIV. **Synthesis of Nanocube-Shaped Cobalt Tin Hydroxides for the Preconcentration of Lead in Environmental Seawater Collected from Antarctic Region**
Şaylan M., Ayyıldız M. F., Zaman B. T., Korkunç Ü., Gürsoy S., ÇETİN G., BAKIRDERE S.
ChemistrySelect, cilt.9, sa.9, 2024 (SCI-Expanded)
- XXXV. **A simple and effective graphene oxide-zinc oxide nanocomposite based solid phase extraction method for the determination of cadmium in tea matrix at trace levels by flame atomic absorption spectrophotometry**
Demir C., Öner M., ÇETİN G., BAKIRDERE S.
Journal of Food Composition and Analysis, cilt.127, 2024 (SCI-Expanded)
- XXXVI. **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)
- XXXVII. **Trace Determination of Cadmium in Water Matrix by Matrix Matching Calibration Strategy-Based UV-Vis Spectrophotometer After Its Preconcentration**
Yağmuroğlu O., BAKIRDERE E. G., BAKIRDERE S.
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- XXXVIII. **An accurate and sensitive determination of selected pesticides in mixed fruit juice samples using the combination of a simple and efficient microextraction method and GC-MS with a matrix matching calibration strategy**
Bodur S., Tutar B. K., Tutar Ö. F., BAKIRDERE S.
Analytical Methods, cilt.16, sa.9, ss.1363-1370, 2024 (SCI-Expanded)
- XXXIX. **Detection of copper in boiled water samples from traditional coffee pots by applying deep eutectic solvent-assisted reduced graphene oxide-coated magnetic nanocomposite-based microextraction strategy**
KASA N. A., Zeytinci N. K., Aydın B. N., BAKIRDERE S.
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- XL. **Deep eutectic solvents for the determination of endocrine disrupting chemicals**
Chormey D. S., Zaman B. T., Kustanto T. B., ERARPAT BODUR S., Bodur S., Er E. Ö., BAKIRDERE S.
Talanta, cilt.268, 2024 (SCI-Expanded)
- XLI. **Dual techniques for trace copper determination: DES/Dithizone based liquid phase microextraction-flame atomic absorption spectrophotometry and digital image based colorimetric probe**
Kılınç Y., Zaman B. T., BAKIRDERE S., Özdoğan N.
Food Chemistry, cilt.432, 2024 (SCI-Expanded)
- XLII. **Removal of two antidepressant active pharmaceutical ingredients from hospital wastewater by polystyrene-coated magnetite nanoparticles-assisted batch adsorption process**
DALGIÇ BOZYIĞİT G., Zaman B. T., ÖZDEMİR O. K., Kılınç Y., Chormey D. S., BAKIRDERE S., ENGİN G.
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- XLIII. **Biocompatible silver nanoparticles from apricot kernel skin: a green synthesis approach to antibacterial and antiangiogenic therapies**

- Nejati O., Torkay G., Girgin A., Zaman B. T., Akar R. O., Giray B., Ulukaya E., BAKIRDERE S., Bal-Öztürk A. *Chemical Papers*, 2024 (SCI-Expanded)
- XLIV. **Determination of Thallium in Tea with Preconcentration by Microwave-Assisted Synthesized Molybdenum Disulfide Nanoparticles and Flame Atomic Absorption Spectrometry (FAAS) Analysis**
TıŖlı B., GösteriŖli T., BAKIRDERE S.
Analytical Letters, cilt.57, sa.11, ss.1715-1726, 2024 (SCI-Expanded)
- XLV. **Introduction for the 12th Aegean Analytical Chemistry Days (AACD 2023) Conference Special Issue in Analytical Letters**
BAKIRDERE S.
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- XLVI. **Development of Analytical Strategy for the Determination of Cadmium by Flame Atomic Absorption Spectrometry After Dithizone/Deep Eutectic Solvent Probe Based Liquid Phase Microextraction**
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- XLVII. **Microwave-assisted hydrothermal green synthesis of selenium nanoparticles incorporated with hyaluronic acid methacrylate/gelatin methacrylate hydrogels for wound healing applications**
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- XLVIII. **Simultaneous complexation and extraction of manganese in melissa tea sample by deep eutectic solvent based liquid phase microextraction**
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- XLIX. **Ultraviolet-assisted Fenton digestion of peach juice for the determination of nickel by flame atomic absorption spectrometry (FAAS)**
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- L. **A simple microwave-assisted synthesis of cobalt ferrite nanoparticles and its application for the determination of lead ions in rooibos (*Aspalathus linearis*) tea**
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- LII. **Biogenic synthesis of novel nanomaterials and their applications**
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- LIII. **Smartphone digital image colorimetry combined with dispersive solid-phase microextraction for the determination of boron in food samples**
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- LIV. **Analytical application of flower-shaped nickel nanomaterial for the preconcentration of manganese in domestic wastewater samples**
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- LXIII. **Novel data on genotoxic assessment of bismuth sulfide nanoflowers in common carp Cyprinus carpio**
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- LXVI. **Zinc Oxide Nanomaterial-Based Dispersive Solid Phase Extraction for the Trace Determination of Gold in Flash Gold Plating Solution Samples using Flame Atomic Absorption Spectrophotometry**
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- LXX. **Trace nickel determination in seawater matrix using combination of dispersive liquid-liquid microextraction and triethylamine-assisted Mg(OH)₂ method**
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- LXXIV. **Synthesis of Isotopic Labelled Paracetamol Benzoate-d₃ and Its Application in the Determination of Paracetamol**
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- LXXIX. **Combination of quadrupole isotope dilution mass spectrometry with simultaneous derivatization and spray assisted droplet formation-liquid phase microextraction for the determination of methamphetamine in human urine and serum samples by gas chromatography mass spectrometry**
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- LXXX. **Nickel hydroxide nanoflower-based dispersive solid-phase extraction of copper from water matrix**
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- LXXXII. **Determination of diflufenican and azaconazole pesticides in wastewater samples by GC-MS after preconcentration with stearic acid functionalized magnetic nanoparticles-based dispersive solid-phase extraction**
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- LXXXIV. **Determination of cobalt in chamomile tea samples at trace levels by flame atomic absorption spectrophotometry after poly(vinyl alcohol)-magnetic hydrogel based dispersive solid phase extraction**
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- LXXXV. **Plastic sieve equipped two-syringe assisted magnetic colloidal gel for dispersive solid-phase extraction of manganese in tea samples**
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- LXXXVI. **Quantification of Seventeen Elements in Musical Drumheads and the Extractability of Arsenic, Lead and Chromium with Determination by Inductively Coupled Plasma - Mass Spectrometry (ICP-MS)**
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- LXXXVIII. **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**
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- LXXXIX. **Performance evaluation of ceramic membrane bioreactor: effect of operational parameters on micropollutant removal and membrane fouling**
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- XC. **Removal of twelve endocrine disrupting compounds from wastewater using two laboratory-scale batch-type bioreactors**
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- XCI. **Combination of high performance liquid chromatography and flame atomic absorption spectrophotometry using a novel nebulizer interface supported T shaped slotted quartz tube for the determination of Vitamin B12**
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- XCII. **Determination of trace cadmium in seawater using combination of polystyrene coated magnetic nanoparticles based DSPE and triethylamine assisted Mg(OH)(2) method**
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- XCIII. Accurate and Sensitive Determination of Concentrations of Twenty-Two Elements in the Surface Water from West Antarctica**
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- XCIV. Determination of gold at trace levels in gold plating wastewater samples by vortex-assisted amidosulfonic acid-coated magnetic nanoparticle-based solid-phase microextraction method prior to slotted quartz tube flame atomic absorption spectrometric measurements**
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- XCIV. A simple and efficient derivatization strategy combined with switchable solvent liquid-liquid microextraction hydroxychloroquine methyl acetate-d(3)-based quadruple isotope dilution gas chromatography mass spectrometry for the determination of hydroxychloroquine sulfate in biological fluids**
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- XCVI. Polystyrene-coated magnetic nanoparticles based dispersive solid phase extraction for the determination of cadmium in cigarette ash prior to slotted quartz tube flame atomic absorption spectrometry system**
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- XCVIII. Development and validation of dispersive liquid-liquid microextraction method for the determination of 15 polycyclic aromatic hydrocarbons in 200 Antarctica samples by gas chromatography mass spectrometry**
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- XCIX. Novel Salicylic Acid Modified Magnetic Nanoparticles Based Ligandless Extraction for the Accurate Determination of Bismuth in Urine Samples by Flame Atomic Absorption Spectrophotometry**
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- C. Magnetic Nanoparticle-Based Dispersive Solid-Phase Microextraction of Three UV Blockers Prior to Their Determination by HPLC-DAD**
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- CI. A Binary Solvent Dispersive Liquid-Liquid Microextraction Method for the Determination of Four Endocrine Disruptor Compounds by Gas Chromatography with Flame Ionization Detector**
Yaman B., Zaman B. T., Chormey D. S., BAKIRDERE S., DİLGİN Y.
WATER AIR AND SOIL POLLUTION, cilt.233, sa.5, 2022 (SCI-Expanded)
- CII. Serum Levels of Selected Elements in Patients with Beta Thalassemia Major**
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- CIII. Performance Evaluation of A/O Membrane Bioreactor System in the Effective Removal of Endocrine-Disrupting Chemicals: the Effect of SRT and Flux Rate**
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Water Air And Soil Pollution, cilt.233, ss.119-135, 2022 (SCI-Expanded)
- CIV. Dispersive solid phase extraction based on reduced graphene oxide modified Fe₃O₄ nanocomposite for trace determination of parabens in rock, soil, moss, seaweed, feces, and water samples from**

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- CV. **Accurate determination of amino acids by quadruple isotope dilution-reverse phase liquid Chromatography-Tandem mass spectrometry after derivatization with 2-Naphthoyl chloride**
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- CVI. **Development of a double-monitoring method for the determination of total antioxidant capacity as ascorbic acid equivalent using CUPRAC assay with RP-HPLC and digital image-based colorimetric detection**
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- CVII. **Bioaccessibility and bioavailability of selenium species in Se-enriched leeks (Allium Porrum) cultivated by hydroponically**
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- CVIII. **Polystyrene-Coated Magnetite Nanoparticles Based Dispersive Micro-Solid Phase Extraction of Active Pharmaceutical Ingredients of Antidepressant Drugs and Determination by GC-MS**
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- CIX. **Determination of levetiracetam by GC-MS and effects of storage conditions and gastric digestive systems on drug samples**
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- CX. **Zirconium Nanoparticles Based Vortex Assisted Ligandless Dispersive Solid Phase Extraction for Trace Determination of Lead in Domestic Wastewater using Flame Atomic Absorption Spectrophotometry**
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- CXI. **Trace level determination of eleven nervous system-active pharmaceutical ingredients by switchable solvent-based liquid-phase microextraction and gas chromatography-mass spectrometry with matrix matching calibration strategy**
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- CXII. **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**
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- CXIII. **Determination of Four Priority Polycyclic Aromatic Hydrocarbons in Food Samples by Gas Chromatography - Mass Spectrometry (GC-MS) after Vortex Assisted Dispersive Liquid-Liquid Microextraction (DLLME)**
Chormey D. S., Tonbul G., Soylu G., Saygilar A., BAKIRDERE S.
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- CXIV. **One step derivatization and dispersive liquid-liquid microextraction of hydroxychloroquine sulfate for its sensitive and accurate determination using GC-MS**
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- CXV. **Determination of Trace Nickel after Complexation with a Schiff Base by Switchable Solvent - Liquid Phase Microextraction (SS-LPME) and Flame Atomic Absorption Spectrometry (FAAS)**

- Kartoglu B., Tezgit E., Yigit A., Zaman B. T., BAKIRDERE E. G., BAKIRDERE S.
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- CXVI. **Magnetic Nanoparticles Based Solid Phase Extraction Methods for the Determination of Trace Elements**
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- CXVII. **Trace Determination of Rhodium in Coating Wastewater by Vortex Assisted Magnetic Nanoparticle Based Solid Phase Microextraction (MNP-SPME) Combined with Slotted Quartz Tube-Flame Atomic Absorption Spectrometry (SQT-FAAS) with Matrix Matching Calibration**
Serbest H., BAKIRDERE S., KEYF S.
ANALYTICAL LETTERS, cilt.55, sa.10, ss.1672-1684, 2022 (SCI-Expanded)
- CXVIII. **Sensitive Determination of 4-n-Nonylphenol in Domestic Wastewater and Liquid Detergent by Binary Solvent Microextraction (BSME) and Gas Chromatography–Mass Spectrometry (GC-MS) with Matrix Matching Calibration**
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- CXIX. **Atrazine: From Detection to Remediation - A Minireview**
Bakaraki Turan N., Zaman B. T., Chormey D. S., Onkal Engin G., BAKIRDERE S.
ANALYTICAL LETTERS, cilt.55, sa.3, ss.411-426, 2022 (SCI-Expanded)
- CXX. **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)
- CXXI. **Nanoparticles Based Extraction Strategies for Accurate and Sensitive Determination of Different Pesticides**
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- CXXII. **Stearic Acid Functionalized Iron Nanoparticle Based Magnetic Solid-Phase Extraction (MSPE) for the Determination of Oxadiazon in Purslane by High-Performance Liquid Chromatography (HPLC)**
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ANALYTICAL LETTERS, cilt.56, sa.1, ss.120-131, 2022 (SCI-Expanded)
- CXXIII. **Removal of selected pesticides, alkylphenols, hormones and bisphenol A from domestic wastewater by electrooxidation process**
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- CXXX. **Determination of nickel in daphne tea extract and lake water samples by flame atomic absorption spectrophotometry with a zirconium-coated T-shaped slotted quartz tube-atom trap and photochemical vapor generation sample introduction**
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- CXLV. **Combination of an Efficient Photochemical Vapor Generation System and Flame Atomic Absorption Spectrophotometry for Trace Nickel Determination in Wastewater Samples**
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- CXLVI. **Accurate Quantification of Nervous System Drugs in Aqueous Samples at Trace Levels by Binary Solvent Dispersive Liquid-Liquid Microextraction-Gas Chromatography Mass Spectrometry**
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- CXLVIII. **Simultaneous Complexation and Microextraction Using Verbenone Hydrazone as the Ligand with Slotted Quartz Tube-Flame Atomic Absorption Spectrometry (FAAS) for the Sensitive Determination of Copper**
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- CLIII. **Determination of Manganese in Coffee and Wastewater Using Deep Eutectic Solvent Based Extraction and Flame Atomic Absorption Spectrometry**
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Analytical Letters, cilt.54, sa.6, ss.979-989, 2021 (SCI-Expanded)
- CLIV. **Ultrasonic assisted glass bead loaded gas liquid separator-photochemical vapor generation-T-shaped slotted quartz tube-flame atomic absorption spectrophotometry system for antimony determination in tap water and wastewater samples**
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- CLV. **Determination of seventeen free amino acids in human urine and plasma samples using quadruple isotope dilution mass spectrometry combined with hydrophilic interaction liquid chromatography – Tandem mass spectrometry**
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- CLVI. **A rapid, sensitive and accurate determination of cobalamin with double monitoring system: HPLC-UV and HPLC-ICP-OES**
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- CLVII. **A simple and effective determination of methyl red in wastewater samples by UV-Vis spectrophotometer with matrix matching calibration strategy after vortex assisted deep eutectic solvent based liquid phase extraction and evaluation of green profile**
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- CLVIII. **Sodium, Magnesium, Calcium, Manganese, Iron, Copper, and Zinc in Serums of Beta Thalassemia Major Patients**
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- CLIX. **Determination of Pyridaphenthion in Aqueous and Food Samples by Reverse Phase High Performance Liquid Chromatography (HPLC) after QuEChERS Extraction and Degradation Studies under Ultraviolet (UV) Radiation**
Chormey D. S., Yilmaz Durak B., BAKIRDERE S.
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- CLX. **Development of an easy and rapid analytical method for the extraction and preconcentration of chloroquine phosphate from human biofluids prior to GC-MS analysis**
Bodur S., Erarpat S., Günkara Ö. T., Bakırdere S.
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- CLXI. **An accurate and sensitive effervescence-assisted liquid phase microextraction method for the**

determination of cobalt after a Schiff base complexation by slotted quartz tube-flame atomic absorption spectrophotometry in urine samples

Borahan T., Zaman B. T., Polat B. S. A., BAKIRDERE E. G., BAKIRDERE S.

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- CLXII. **A miniaturized spray-assisted fine-droplet-formation-based liquid-phase microextraction method for the simultaneous determination of fenpiclonil, nitrofen and fenoxaprop-ethyl as pesticides in soil samples**
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- CLXIII. **Dispersive Liquid-Liquid Microextraction Based Preconcentration of Selected Pesticides and Escitalopram Oxalate, Haloperidol, and Olanzapine from Wastewater Samples Prior to Determination by GC-MS**
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JOURNAL OF AOAC INTERNATIONAL, cilt.104, sa.1, ss.91-97, 2021 (SCI-Expanded)
- CLXIV. **Determination of copper in traditional coffee pot water samples by flame atomic absorption spectrometry and matrix matching calibration strategy after switchable solvent based liquid-phase microextraction**
Ercan M. S. F., Ayyıldız M. F., Chormey D. S., BAKIRDERE S.
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- CLXV. **A primary reference method for the characterization of Cd, Cr, Cu, Ni, Pb and Zn in a candidate certified reference seawater material: TEA/Mg(OH)₂ assisted ID3MS by triple quadrupole ICP-MS/MS**
Arı B., BAKIRDERE S.
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- CLXVI. **Determination of fipronil and bixafen pesticides residues using gas chromatography mass spectroscopy with matrix matching calibration strategy after binary dispersive liquid-liquid microextraction**
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- CLXVIII. **A sensitive determination method for trace bisphenol A in bottled water and wastewater samples: Binary solvent liquid phase microextraction-quadrupole isotope dilution-gas chromatography-mass spectrometry**
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- CLXIX. **A new microextraction method for trace nickel determination in green tea samples: Solventless dispersion based dispersive liquid-liquid microextraction combined with slotted quartz tube- flame atomic absorption spectrophotometry**
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- CLXX. **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)
- CLXXI. **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.

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- CLXXII. **Ultra-trace cadmium determination in eucalyptus and rosemary tea samples using a novel method: deep eutectic solvent based magnetic nanofluid liquid phase microextraction-slotted quartz tube-flame atomic absorption spectrometry**
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- CLXXIII. **Zirconium nanoparticles based dispersive solid phase extraction prior to slotted quartz tube-flame atomic absorption spectrophotometry for the determination of selenium in green tea samples**
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- CLXXIV. **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.
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- CLXXV. **A novel and rapid extraction protocol for sensitive and accurate determination of prochloraz in orange juice samples: Vortex-assisted spraying-based fine droplet formation liquid-phase microextraction before gas chromatography-mass spectrometry**
Dikmen Y., Guleryuz A., Metin B., Bodur S., Oner M., BAKIRDERE S.
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- CLXXVI. **Feasibility Studies on the Effect of Natural Plant Compounds on Sludge Characteristics in a Batch-Type Aerobic Reactor and N-butyryl-L Homoserine Lactone**
Turan N. B., Erkan H., Chormey D. S., Çağlak A., Bakirdere S., Engin G.
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- CLXXVII. **Accurate and simple determination of oxcarbazepine in human plasma and urine samples using switchable-hydrophilicity solvent in GC-MS**
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- CLXXVIII. **Simultaneous Determination of Harmful Aromatic Amine Products of Azo Dyes by Gas Chromatography-Mass Spectrometry**
Chormey D. S., Zaman B. T., Maltepe E., Büyükpınar Ç., Bulgurcuoğlu A. E., Turak F., Erulaş F. A., Bakirdere S.
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- CLXXIX. **Experimental Design of Vortex Assisted Switchable Solvent Homogeneous Liquid-Liquid Microextraction for Simultaneous Determination of Four Pesticides in Wastewater**
Tisli B., Chormey D. S., Ayyıldız M. F., BAKIRDERE S.
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- CLXXX. **Development of sensitive analytical methods for the determination of thallium at trace levels by slotted quartz tube flame atomic absorption spectrometry**
Arı B., BAKIRDERE S., Ataman O. Y.
Spectrochimica Acta - Part B Atomic Spectroscopy, cilt.171, 2020 (SCI-Expanded)
- CLXXXI. **Simple and Green Vortex-Assisted Switchable Solvent Liquid Phase Microextraction for the Determination of Indium in Soil with Matrix Matching and Slotted Quartz Tube (SQT)-Flame Atomic Absorption Spectrometry (FAAS)**
Turan N. B., Zaman B. T., BAKIRDERE E. G., Kartoğlu B., BAKIRDERE S.
Analytical Letters, cilt.54, ss.1627-1638, 2020 (SCI-Expanded)
- CLXXXII. **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.
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- CLXXXIII. **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, sa.14, ss.2278-2291, 2020 (SCI-Expanded)
- CLXXXIV. **Development of a sensitive microextraction strategy for the accurate determination of tebuconazole and etrimfos by gas chromatography-mass spectrometry**
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- CLXXXV. **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., Fırat M., Chormey D. S., BAKIRDERE S.
Analytical Letters, cilt.53, sa.14, ss.2191-2201, 2020 (SCI-Expanded)
- CLXXXVI. **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.
Analytical Letters, cilt.53, sa.13, ss.2047-2059, 2020 (SCI-Expanded)
- CLXXXVII. **Sensitive Determination of Acetochlor, Alachlor, Metolachlor and Fenthion Utilizing Mechanical Shaking Assisted Dispersive Liquid-Liquid Microextraction Prior to Gas Chromatography-Mass Spectrometry**
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- :LXXXVIII. **Zirconium nanoparticles based ligandless dispersive solid phase extraction for the determination of antimony in bergamot and mint tea samples by slotted quartz tube-flame atomic absorption spectrophotometry**
Karlidag N. E., Toprak M., Tekin Z., BAKIRDERE S.
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- CLXXXIX. **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.
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- CXC. **Assessment of different isotope dilution strategies and their combination with switchable solvent-based liquid phase microextraction prior to the quantification of bisphenol A at trace levels via GC-MS**
Bodur S., ERARPAT S., Chormey D. S., Bozyigit G., ÖZ E., Ozdoğan N., BAKIRDERE S.
NEW JOURNAL OF CHEMISTRY, cilt.44, sa.32, ss.13685-13691, 2020 (SCI-Expanded)
- CXCI. **A Simultaneous Dispersive Liquid-Liquid Microextraction-complexation Method to Determine Trace Cobalt in Chamomile Tea Extract Prior to Slotted Quartz Tube Flame Atomic Absorption Spectrometry**
BAKIRDERE E. G., Akarcay N. A., Zaman B. T., BAKIRDERE S.
CHEMISTRY LETTERS, cilt.49, sa.8, ss.991-994, 2020 (SCI-Expanded)
- CXCII. **Nano-sized magnetic Ni particles based dispersive solid-phase extraction of trace Cd before the determination by flame atomic absorption spectrometry with slotted quartz tube: a new, accurate, and sensitive quantification method**
YAĞCI Ö., Akkaya E., BAKIRDERE S.
ENVIRONMENTAL MONITORING AND ASSESSMENT, cilt.192, sa.9, 2020 (SCI-Expanded)
- CXCIII. **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-Expanded)

- CXCIV. **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)
- CXCV. **Preliminary study testing the effects of tea and coffee on sludge characteristics and N-butyryl-L-homoserine lactone in an MBR system**
BAKARAKI TURAN N., CHORMEY D. S., SARI ERKAN H., ÇAĞLAK A., SARAL M., BAKIRDERE S., ENGİN G.
Environmental Technology, cilt.41, sa.1, ss.2085-2095, 2020 (SCI-Expanded)
- CXCVI. **A Simple and Green Vortex-Assisted Switchable Solvent-Based Microextraction Method by Using Schiff Base Ligand Complexation for Iron Determination in Mineral Spring Water Samples Prior to Slotted Quartz Tube Flame Atomic Absorption Spectrophotometry**
Kasa N. A., Bakırdere E. G., Bakırdere S.
WATER AIR AND SOIL POLLUTION, cilt.231, sa.8, 2020 (SCI-Expanded)
- CXCVII. **Liquid phase microextraction strategies and their application in the determination of endocrine disruptive compounds in food samples**
Chormey D. S., Zaman B. T., Kasa N. A., BAKIRDERE S.
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- CXCVIII. **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**
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- CXCIX. **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**
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- CC. **Removal of Selected Micropollutants from Synthetic Wastewater by Electrooxidation Using Oxidized Titanium and Graphite Electrodes**
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- CCI. **Feasibility studies on the uptake and bioaccessibility of pesticides, hormones and endocrine disruptive compounds in plants, and simulation of gastric and intestinal conditions**
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- CCII. **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**
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- CCIII. **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., Bakırdere S.
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- CCIV. **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.

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- CCV. **Hydride generation-flame atomic absorption spectrometric quantification of trace lead after the extraction by fatty acid functionalized Fe₃O₄ nanoparticles assisted dispersive solid-phase extraction: A sensitive, precise and accurate analytical method**
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- CCVI. **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**
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Borahan T., UNUTKAN T., BAKIRDERE S.
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- CCVIII. **Sensitive Determination of Selected Drug Active Compounds in Wastewater Matrices by LC-QTOF-MS/MS after Vortex Assisted Binary Solvents Dispersive Liquid-Liquid Microextraction**
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- CCIX. **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**
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- CCX. **Analytical protocol for determination of endosulfan beta, protham, chlorpyrifos, and acibenzolar-s-methyl in lake water and wastewater samples by gas chromatography-mass spectrometry after dispersive liquid-liquid microextraction**
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- CCXI. **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**
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- CCXII. **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**
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- CCXIII. **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**
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- CCXIV. **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)**
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- CCXV. **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.
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- CCXVII. **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**
Arı B., Can S. Z., BAKIRDERE S.
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- CCXVIII. **Application of oleic acid functionalized magnetic nanoparticles for a highly sensitive and efficient dispersive magnetic solid phase extraction of fenazaquin in almond samples for determination by gas chromatography mass spectrometry**
Turan N. B., TuğbaZaman B., BAKIRDERE S.
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- CCXIX. **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.
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- CCXX. **A sieve-conducted two-syringe-based pressurized liquid-phase microextraction for the determination of indium by slotted quartz tube-flame atomic absorption spectrometry**
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- CCXXI. **Determination of fenazaquin in water and tomato matrices by GC-MS after a combined QuEChERS and switchable solvent liquid phase microextraction**
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- CCXXII. **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**
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- CCXXIII. **Accurate and Precise Determination of Gold in Plating Bath Solution: Deep Eutectic Solvent Based Liquid Phase Microextraction-Slotted Quartz Tube-Flame Atomic Absorption Spectrometry**
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- CCXXIV. **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.
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- CCXXV. **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**
Öztürk Er E., Akkaya E., Özbek B., Bakirdere S.

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- CCXXVI. **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**
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- CCXXVII. **Determination of Trace Element Concentrations in Blood Samples and Their Correlation to Breast Cancer**
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- CCXXIX. **Removal of Heavy Metals by a Membrane Bioreactor Combined with Activated Carbon**
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- CCXXXII. **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**
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- CCXXXIII. **Influence of Hydraulic Retention Time (HRT) upon the Treatment of Wastewater by a Laboratory-Scale Membrane Bioreactor (MBR)**
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- CCXXXIV. **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**
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- CCXXXV. **An analytical strategy for propoxur determination in raisin samples with matrix matching method after dispersive liquid-liquid microextraction**
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- CCXXXVI. **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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- CCXXXVII. **Determination of endocrine disruptive phenolic compounds by gas chromatography mass spectrometry after multivariate optimization of switchable liquid-liquid microextraction and assessment of green profile**
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- CCXXXIX. **Radiation interaction parameters for blood samples of breast cancer patients: an MCNP study**
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- CCXL. **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**
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- CCXLI. **Determination of micropollutants in wastewater matrix using gas chromatography-mass spectrometry after optimization of dispersive liquid-liquid microextraction**
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- CCXLII. **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**
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- CCXLIII. **Determination of lead in milk samples using vortex assisted deep eutectic solvent based liquid phase microextraction-slotted quartz tube-flame atomic absorption spectrometry system**
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- CCXLIV. **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**
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- CCXLV. **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**
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- CCXLVI. **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.**
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- CCXLVII. **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**
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- CCXLVIII. **Binary dispersive liquid-liquid microextraction strategy for accurate and precise determination of micropollutants in lake, well and wastewater matrices**
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- CCXLIX. **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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- CCL. **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 (Article in Press)**
Yılmaz P., Öztürk Er E., Bakırdere S., Ülgen Ş. K., Özbek B.
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- CCLI. **Determination of Vitamin B12 and cobalt in egg yolk using vortex assisted switchable solvent based liquid phase microextraction prior to slotted quartz tube flame atomic absorption spectrometry**
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- CCLII. **Accurate and Sensitive Determination Method for Procymidone and Chlorflurenol in Municipal Wastewater, Medical Wastewater and Irrigation Canal Water by GC-MS After Vortex Assisted Switchable Solvent Liquid Phase Microextraction**
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- CCLIII. **Magnetic cobalt particle-assisted solid phase extraction of tellurium prior to its determination by slotted quartz tube-flame atomic absorption spectrophotometry**
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- CCLIV. **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**
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- CCLV. **Ultrasound assisted deep eutectic solvent based microextraction-slotted quartz tube-flame atomic absorption spectrometry for the determination of cadmium**
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- CCLVI. **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**
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- CCLVII. **Accurate, sensitive, and precise determination of cobalt in soil matrices by the combination of batch type gas-liquid separator-assisted photochemical vapor generation and atomic absorption spectrophotometry**
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- CCLVIII. **Simultaneous determination of 4-tert-octylphenol, chlorpyrifos-ethyl and penconazole by GC-MS after sensitive and selective preconcentration with stearic acid coated magnetic nanoparticles**
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- CCLIX. **Simultaneous Determination of Fluoxetine, Estrone, Pesticides, and Endocrine Disruptors in Wastewater by Gas Chromatography-Mass Spectrometry (GC-MS) Following Switchable Solvent-Liquid Phase Microextraction (SS-LPME)**
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- CCLX. **Sensitive and Accurate Determination of Cobalt at Trace Levels by Slotted Quartz Tube-Flame Atomic Absorption Spectrometry Following Preconcentration with Dispersive Liquid-Liquid Microextraction**
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- CCLXI. **Accurate and sensitive determination of harmful aromatic amine products of azo dyes in wastewater and textile samples by GC-MS after multivariate optimization of binary solvent dispersive liquid-liquid microextraction**
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- CCLXII. **Simultaneous Determination of Chromium Species in Water and Plant Samples at Trace Levels by Ion Chromatography-Inductively Coupled Plasma-Mass Spectrometry**
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- CCLXIII. **Evaluation of magnetic field assisted sun drying of food samples on drying time and mycotoxin production**
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- CCLXIV. **Determination of Bismuth in Bottled and Mineral Water Samples at Trace Levels by T-Shaped Slotted Quartz tube-Atom Trap-Flame Atomic Absorption Spectrometry**
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- CCLXV. **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.
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- CCLXVI. **Accurate and Sensitive Analytical Strategy for the Determination of Antimony: Hydrogen Assisted T-Shaped Slotted Quartz Tube-Atom Trap-Flame Atomic Absorption Spectrometry**
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- CCLXVII. **Switchable solvent liquid-phase microextraction-gas chromatography-quadrupole isotope dilution mass spectrometry for the determination of 4-n-nonylphenol in municipal wastewater**
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- CCLXVIII. **Determination of Se, Cr, Mn, Zn, Co, Na, and K in Blood Samples of Breast Cancer Patients to Investigate Their Variation Using ICP-MS and ICP-OES**
Toker O., Topdağı Ö., Bakirdere S., Bursalioglu E. O., Öz E., Eyecoglu O., Karabul Y., Çağlar M., İçelli O.
ATOMIC SPECTROSCOPY, cilt.40, ss.11-16, 2019 (SCI-Expanded)
- CCLXIX. **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**
Öztürk Er E., Özbek B., Bakirdere S.
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- CCLXX. **Trace level determination of cadmium in different water matrices and rose hip tea sample by dispersive liquid-liquid microextraction slotted quartz tube flame atomic absorption spectrometry after complexation with a new imidazole-based ligand**
Yazici E., Fırat M., Chormey D. S., Budak T. B., Sahin Ç., TURAK F., BAKIRDERE S.
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- CCLXXI. **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**
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microextraction

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- CCLXXIII. **Multivariate Optimization of Binary Solvent Microextraction for the Simultaneous Determination of Endocrine Disruptive Phenolic Compounds and Organochlorine Pesticides in Wastewater and Sludge Samples by GC-MS**
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- CCLXXIV. **A new combination for the determination of ultratrace cadmium: solid-phase microextraction by stearic acid-coated magnetic nanoparticles prior to batch-type hydride generation atomic absorption spectrometry**
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- LXIV. **Switchable solvent liquid-phase microextraction-gas chromatography-quadrupole isotope dilution mass spectrometry for the determination of 4-n-nonylphenol in municipal waste water**
ERARPAT S., Bodur S., Chormey D. S., BAKIRDERE S.
11th Aegean Analytical Chemistry Days (AACD2018), Girit, Yunanistan, 25 Eylül 2018
- LXV. **Development of simultaneous determination method for selected pharmaceuticals and pesticides in wastewater by GC-MS to build up the treatment strategies**
Dalgıç Bozyiğit G., Fırat Ayyıldız M., Chormey D. S., Engin G., Bakirdere S.

- 11th Aegean Analytical Chemistry Days (AACD2018), Hania, Yunanistan, 25 - 29 Eylül 2018, ss.98
- LXVI. **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
- LXVII. **Multivariate optimization of sonication assisted binary solid phase microextraction based on oleic and stearic acid coated magnetite nanoparticles for the determination of endocrine disruptive compounds in aqueous medium by GC-MS**
Chormey D. S., Akkaya E., Erulaş A. F., BAKIRDERE S.
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- LXVIII. **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
- LXIX. **Development of a sensitive and accurate switchable liquid-liquid microextraction method for cobalt determination by slotted quartz tube flame atomic absorption spectrometry**
Yazıcı E., Fırat M., Chormey D. S., BAKIRDERE E. G., BAKIRDERE S.
11th Aegean Analytical Chemistry Days (AACD2018), Girit, Yunanistan, 25 Eylül 2018
- LXX. **Simultaneous determination of procymidone, chlorflurenol and iprodione in wastewater and lake water by GC-MS after experimental design of binary dispersive liquid-liquid microextraction**
Özdoğan N., Kapukıran F., Chormey D. S., BAKIRDERE S.
11th Aegean Analytical Chemistry Days (AACD2018), Girit, Yunanistan, 25 Eylül 2018
- LXXI. **Multivariate optimization of switchable solvent liquid phase microextraction for the determination of etrimfos in lake and well water by GC-MS**
Fırat M., Chormey D. S., BAKIRDERE S., TURAK F.
11th Aegean Analytical Chemistry Days (AACD2018), Girit, Yunanistan, 25 Eylül 2018
- LXXII. **Analytical strategies to obtain lower detection limits, 11th Aegean Analytical Chemistry Days**
Bakırdere S.
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- LXXIII. **Determination of bismuth in bottled water and mineral water samples at trace levels by T-shaped slotted quartz tube-atom trap-flame atomic absorption spectrometry**
Bodur S., Erarpat S., Chormey D. S., Büyükpınar Ç., Bakırdere S.
11th Aegean Analytical Chemistry Days, Hania, Yunanistan, 25 - 29 Eylül 2018
- LXXIV. **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
- LXXV. **Toxicity Effect Investigation of Graphene Oxide Addition into a Three-Component Scaffold Composed of Hydroxyapatite-Graphene Oxide-Chitosan for Bone Tissue Engineering Applications**
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23rd International Congress of Chemical and Process Engineering (CHISA 2018), Prag, Çek Cumhuriyeti, 25 Ağustos 2018, ss.165
- LXXVI. **Nikelin dağıtıcı sıvı sıvı mikroekstraksiyon sonrası yarıklı kuartz tüp alevli atomik absorpsiyon spektrofotometresi ile eser seviyelerde tayini**
Yolcu Ş. M., Fırat M., Chormey D. S., BÜYÜKPINAR Ç., TURAK F., BAKIRDERE S.
International Trace Analysis Congress (ITAC2018), Sivas, Türkiye, 20 Haziran 2018
- LXXVII. **Kurşun elementinin manyetik nanopartikül yardımcı önderiştirilme sonrası SQT-FAAS cihazıyla eser seviyelerde tayini**
Erulaş A. F., Akkaya E., BÜYÜKPINAR Ç., BAKIRDERE S.
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- LXXVIII. **The effect of HRT and SRT in the treatment of domestic wastewater by MBR**
Massara T. M., KOMESLİ O. T., SÖZÜDOĞRU O., YILMAZ A. E., BAKIRDERE S., Katsou E.
6th International Conference on Sustainable Solid Waste Management, 13 - 16 Haziran 2018
- LXXIX. **Development of a Sensitive and Accurate Dispersive Liquid-Liquid Microextraction Strategy for the Determination of Harmful Azo Dyes Products by Gas Chromatography-Mass Spectrometry**
Balçık U., Chormey D. S., Fırat M., BAKIRDERE S.
8TH BLACK SEA BASIN CONFERENCE ON ANALYTICAL CHEMISTRY, İstanbul, Türkiye, 09 Mayıs 2018, ss.185
- LXXX. **Determination of Ultratrace Cadmium by a New Combination: Solid Phase Microextraction by Stearic Acid Coated Magnetic Nanoparticles Prior To Batch Type Hydride Generation Atomic Absorption Spectrometry**
Kasa N. A., Akkaya E., Zaman B. T., ÇETİN G., BAKIRDERE S.
8TH BLACK SEA BASIN CONFERENCE ON ANALYTICAL CHEMISTRY, İstanbul, Türkiye, 09 Mayıs 2018, ss.67
- LXXXI. **Determination of Cadmium in Aqueous Samples Using a Sensitive Closed Batch Vessel Hydride Generation Atomic Absorption Spectrometry Method**
BÜYÜKPINAR Ç., Bekar B., Maltepe E., Chormey D. S., TURAK F., SAN N., BAKIRDERE S.
8TH BLACK SEA BASIN CONFERENCE ON ANALYTICAL CHEMISTRY, İstanbul, Türkiye, 09 Mayıs 2018, ss.179
- LXXXII. **Novel analytical strategies for the accurate and sensitive determination of the environmental contaminants**
Chormey D. S., BAKIRDERE S.
8th International Conference of Young Scientists and GYA Annual General Meeting, Pattaya, Tayland, 07 Mayıs 2018
- LXXXIII. **Determination of Harmful Aromatic Amine Products after Azo Dyes Reductive Cleavage by Gas Chromatography Mass Spectrometry**
Chormey D. S., Zaman B. T., Maltepe E., BÜYÜKPINAR Ç., BULGURCUOĞLU A. E., TURAK F., Erulaş F., BAKIRDERE S.
8TH BLACK SEA BASIN CONFERENCE ON ANALYTICAL CHEMISTRY, İstanbul, Türkiye, 09 Mayıs 2018, ss.176
- LXXXIV. **Determination of Cadmium in Environmental Samples by Slotted Quartz Tube Flame Atomic Absorption Spectrometry after Vortex Assisted Switchable Liquid-Liquid Microextraction**
Fırat M., Bodur S., Tışlı B., Özlü C., Chormey D. S., TURAK F., BAKIRDERE S.
8TH BLACK SEA BASIN CONFERENCE ON ANALYTICAL CHEMISTRY, İstanbul, Türkiye, 09 Mayıs 2018, ss.177
- LXXXV. **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
- LXXXVI. **A New Analytical Strategy for the Determination of Indium**
Çelik B., Akkaya E., Bakırdere S., Aydın F.
8th Black Sea Basin Conference on Analytical Chemistry (8th BBCAC), İstanbul, Türkiye, 9 - 11 Mayıs 2018
- LXXXVII. **Development of an Accurate and Sensitive Analytical Method for the Determination of Cadmium Using Hydrogen Assisted T-Shape Slotted Quartz Tube-Atom Trap-Flame Atomic Absorption Spectrophotometry**
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- LXXXVIII. **Study of electron density via some elements in breast cancer patients' blood samples**
Toker O., Topdağı Ö., Bakırdere S., Bursahoglu E. O., Öz E., Eyecioğlu Ö., Karabul Y., Çağlar M., İçelli O.
International Advanced Researches and Engineering Congress, Osmaniye, Türkiye, 16 - 18 Kasım 2017, ss.2714
- LXXXIX. **Investigation of the variations in Se, Cr, Mn, Zn, Co, Na, K concentrations in blood samples of breast cancer patients**
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- XC. **Matrix Matching and Matrix Dilution for the Accurate Determination of Pesticides, Hormones and Endocrine Disruptor Compounds in Complex Matrices**
Chormey D. S., Fırat M., BÜYÜKPINAR Ç., TURAK F., Erulaş F., Komesli O. T., BAKIRDERE S.

7th International IUPAC Conference on Green Chemistry, Moskova, Rusya, 02 Ekim 2017, ss.19

- XCI. **Determination of Copper at Trace Levels in Mineral Water Samples by Slotted Quartz Tube Atomic Absorption Spectrometry after Dispersive Liquid-Liquid Microextraction**
Zaman B. T., Kasa N. A., Deniz S., Sel S., Chormey D. S., BÜYÜKPINAR Ç., BAKIRDERE E. G., BAKIRDERE S.
7th International IUPAC Conference on Green Chemistry, Moskova, Rusya, 02 Ekim 2017, ss.68
- XCII. **Arsenic Speciation in Chicken and Water Samples at Trace Levels by Ion Chromatography-Inductively Coupled Plasma-Mass Spectrometry**
Fırat M., BAKIRDERE S., Sel S., Chormey D. S., Elkran Ö., Erulaş F., TURAK F.
7th International IUPAC Conference on Green Chemistry, Moskova, Rusya, 02 Ekim 2017, ss.64
- XCIII. **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
- XCIV. **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
- XCV. **Determination of Cadmium in Wastewater at Ultratrace Levels by Dispersive Liquid-Liquid Microextraction and Batch Type Hydride Generation Atomic Absorption Spectrometry**
Kasa N. A., Chormey D. S., Büyükpınar Ç., Turak F., Budak T., Bakırdere S.
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- XCVI. **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
- XCVII. **Development of a Photochemical Vapor Generation-Batch Type Ultrasonication Assisted Gas Liquid Separator- Atomic Absorption Spectrometry Method for the Trace Determination of Nickel in Soil and Water Samples**
BÜYÜKPINAR Ç., Maltepe E., Chormey D. S., SAN N., BAKIRDERE S.
7th International IUPAC Conference on Green Chemistry, Moskova, Rusya, 02 Ekim 2017, ss.42
- XCVIII. **Sensitive Determination of Cadmium Using Solidified Floating Organic Drop Microextraction-Slotted Quartz Tube-Flame Atomic Absorption Spectrometry**
Akkaya E., Chormey D. S., BAKIRDERE S.
7th International IUPAC Conference on Green Chemistry, Moskova, Rusya, 02 Ekim 2017, ss.15
- XCIX. **A Novel Liquid-Liquid Extraction for the Determination of Sertraline in Tap Water and Waste Water Samples at Trace Levels by GC-MS**
KOÇOĞLU E. S., BAKIRDERE S., KEYF S.
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- C. **Dispersive Liquid-Liquid Microextraction-Slotted Quartz Tube-Flame Atomic Absorption Spectrometry for the Sensitive Determination of Lead in Mussel and Sea Water Samples**
Özzyeybek G., ERARPAT S., Chormey D. S., BAKIRDERE S.
7th International IUPAC Conference on Green Chemistry, Moskova, Rusya, 02 Ekim 2017, ss.49
- CI. **Determination of cadmium in drinking and wastewater by dispersive liquid-liquid microextraction slotted quartz tube flame atomic absorption spectrometry system after complexation with a new imidazole based ligand**
Yazıcı E., Bakırdere S., Fırat M., Chormey D. S., Turak F., Şahin Ç., Budak T.
5th International Conference on Sustainable Solid Waste Management, Athens, Yunanistan, 21 - 24 Haziran 2017
- CII. **Antimonun Yarıklı Kuartz Tüp-Alevli Atomik Absorpsiyon Sistemi ile Düşük Seviyelerde Tayini**
KOYUNCU İ., BAKIRDERE S., BÜYÜKPINAR Ç.
8. Öğrenci Kongresi, 16 - 18 Mayıs 2017
- CIII. **A Novel Liquid-Liquid Extraction for the Determination of Naphthalene in Tap Water at Trace Levels**

by GC-MS with Deuterated Anthracene as Internal Standard

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10th Aegean Analytical Chemistry Days, Çanakkale, Türkiye, 29 Eylül 2016, ss.238

- CIV. **Volatile Compound Generation Strategies in Analytical Chemistry**
Bakirdere S.
10th Aegean Analytical Chemistry Days, Çanakkale, Türkiye, 29 Eylül 2016, ss.14
- CV. **Simultaneous Determination of Sildenafil and Tadalafil in Legal, Illicit/Counterfeit Drugs and Waste Water Samples by High Performance Liquid Chromatography**
Fidan A. K., BAKIRDERE S.
10th Aegean Analytical Chemistry Days, Çanakkale, Türkiye, 29 Eylül 2016, ss.86
- CVI. **Simultaneous Determination of Selected Hormones, Endocrine Disruptive Compounds and Pesticides in Water Samples by GC-MS after Dispersive Liquid-Liquid Microextraction**
Chormey D. S., TURAK F., BOZDOĞAN A. E., Komesli O. T., BÜYÜKPINAR Ç., BAKIRDERE S.
10th Aegean Analytical Chemistry Days, Çanakkale, Türkiye, 29 Eylül 2016, ss.35
- CVII. **Determination of Trace Amount of Cadmium using Dispersive Liquid Liquid Microextraction-Slotted Quartz Tube-Flame Atomic Absorption Spectrometry**
Fırat M., Fındıkoğlu M. S., Kafa B., Yazıcı E., Yolcu M., Büyükpınar Ç., Chormey D. S., Sel S., Turak F., Bakirdere S.
10th Aegean Analytical Chemistry Days, Çanakkale, Türkiye, 29 Eylül - 02 Ekim 2016, ss.107
- CVIII. **Development of an Analytical Method for the Determination of Valsartan in Commercial Drug and Sewage Sludge Samples by HPLC, and Evaluation of its Stability under Simulated Gastric System**
SERBEST H., BAKIRDERE S., KEYF S.
10th Aegean Analytical Chemistry Days, Çanakkale, Türkiye, 29 Eylül - 02 Ekim 2016, ss.3
- CIX. **Optimization of a Closed Batch Vessel Hydride Generation Atomic Absorption Spectrometry Method for the Determination of Lead in Drinking and Waste Water Samples at Trace Levels**
BAKIRDERE S., Chormey D. S., Büyükpınar Ç., SAN N., KEYF S.
10th Aegean Analytical Chemistry Days, Çanakkale, Türkiye, 29 Eylül - 02 Ekim 2016, ss.32
- CX. **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., Bakirdere S., Keyf S.
10th Aegean Analytical Chemistry Days, Çanakkale, Türkiye, 29 Eylül - 02 Ekim 2016, ss.21
- CXI. **SERTRALİNİN GC-MS SİSTEMİNDE DÜŞÜK SEVİYELERDE TAYİNİNE YÖNELİK ANALİTİK YÖNTEM GELİŞTİRİLMESİ VE YAPAY MİDE ORTAMINDAKİ KARARLILIĞININ TESPİT EDİLMESİ**
Koçoğlu E. S., Bakirdere S., Keyf S.
EsAn-2016, IV. ESER ANALİZ KONGRESİ, Sakarya, Türkiye, 19 - 22 Mayıs 2016, ss.65
- CXII. **Çevre Örneklerinde Cr(III) Ve Cr(VI) Türlerinin IC-ICP-MS Sisteminde Eser Seviyelerde Eşzamanlı Tayinleri**
Sel S., Erulaş F., Turak F., Göksu R., Bakirdere S.
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Kılıç M., Karabul Y., Alkan Ü., Okutan M., Bakirdere S., İçelli O.
2nd International Conference on Organic Electronic Material Technologies (OEMT-2016), Çanakkale, Türkiye, 17 Mayıs 2016, ss.102
- CXIV. **Magnetic Field Effect on Electrical Properties of Conducting PANI/Cu Composites**
Karabul Y., Kılıç M., Okutan M., Bakirdere S., İçelli O.
2nd International Conference on Organic Electronic Material Technologies (OEMT-2016), Çanakkale, Türkiye, 17 - 19 Mayıs 2016
- CXV. **Quorum Quenching For Biofilm Formation Prevention**
NOUHA B., ENGIN G., SARI ERKAN H., DOTSE SELALİ C., BAKIRDERE S.
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- CXVI. **The Study of the Electron Densities of Some Food Products for Different Drying Technics**

NUROĞLU E., BAKIRDERE S., İÇELLİ O.

1st International Physics Conference at the Anatolian Peak at the Anatolian Peak, Erzurum, Türkiye, 25 - 27 Şubat 2016

- CXVII. **The study of electron densities of some food products for different drying technics**
Nuroğlu E., Bakırdere S., İçelli O.
International Physics Conference at the Anatolian Peak, Erzurum, Türkiye, 25 - 26 Şubat 2016, ss.287
- CXVIII. **Correlation between ratio of Na/K, Se/Zn, K/P, Cu/Zn, Se/Fe, Ca/P at breast cancer patients' blood samples which exposed to radiation and their electron density**
Toker O., Karabul Y., Bursalıoğlu E., Bakırdere S., İçelli O., Sarıbal D.
International Physics Conference at the Anatolian Peak, Erzurum, Türkiye, 25 - 27 Şubat 2016, ss.294
- CXIX. **Seltuğ D Bakırdere S Turgay N Ö Büyükpınar Ç Akdeniz İ Aksakal B Türk Makam Müziğinde Taş Plakların Rolü Plakların Fiziksel Kimyasal Analizleri ve Sonuçların Ses Kalitesiyle İlişkisi 29 31 Mayıs 2015 Elazığ**
SELTUĞ D., BAKIRDERE S., TURGAY N. Ö., BÜYÜKPINAR Ç., AKDENİZ İ., AKSAKAL B.
XIV. Ulusal Spektroskopi Kongresi, Elazığ, Türkiye, 29 - 31 Mayıs 2015
- CXX. **Türk Makam Müziğinde Taş Plakların Rolü, Plakların Fiziksel/Kimyasal Analizleri ve Sonuçların Ses Kalitesiyle İlişkisi**
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XIV. Ulusal Spektroskopi Kongresi, Elazığ, Türkiye, 29 - 31 Mayıs 2015
- CXXI. **Comparison of EDCs Removal in Full and Pilot Scale Membrane Bioreactor Plants: Effect of flux rate on EDCs removal in short SRT**
Komesli O. T., Muz M., Sönmez S., Bakırdere S., Gökçay C. F.
International Conference Industrial Waste & Wastewater Treatment & Valorisation (IWWATV), Athens, Yunanistan, 21 - 23 Mayıs 2015, ss.1-16
- CXXII. **İçme sularındaki eser miktardaki bakır tayini için yeni bir yöntem**
Güneri A., Aydın I., Bakırdere S., Aydın F., Ataman O. Y.
III. Eser Analiz Çalıştayı, Tokat, Türkiye, 15 - 18 Mayıs 2014, ss.108
- CXXIII. **Su örneklerinde bulunan arsenik, kadmiyum ve kurşunun optimize edilmiş Pd-Mg ve Ni matrisli modifiyerli grafit fırınlı atomik absorpsiyon spektrofotometre sistemi ile eser seviyelerdeki tayinleri**
Bakırdere S., Yaroğlu T., Tırık N., Demiröz M., Fidan A. K., Maruldaş O., Karaca A.
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- CXXIV. **Characterization of limestone figurines from Datça-Emecik bu using rare earth elements**
Muşkara Ü., Bakırdere S., Tuna N., Ataman O. Y.
8th Egean Analytical Chemistry Days, İzmir, Türkiye, 16 - 20 Eylül 2012
- CXXV. **In situ atom trapping of Bi on W coated Slotted Quartz Tube Atomic Absorption Spectrometry**
Kılınç E., Aydın F., Bakırdere S., Ataman O. Y.
3rd PAK-TURK Conference on Chemical Sciences, Bursa, Türkiye, 13 - 15 Eylül 2012, ss.57
- CXXVI. **Atık su arıtma tesislerinden alınan su örneklerinde doğal hormonların ve endokrin bozucu maddelerin katı faz ekstraksiyonundan sonra LC-ESI-MS/MS sistemi ile eşzamanlı tayinleri**
Muz M., Sönmez M. S., Komesli O. T., Bakırdere S., Gökçay C. F.
VI. Ulusal Analitik Kimya Kongresi, Hatay, Türkiye, 3 - 07 Eylül 2012, ss.32
- CXXVII. **Inorganik antimony speciation using tungsten coil atom trap and Hydride Generation Atomic Absorption Spectrometry**
Akay P., Yıldırım E., Arslan Y., Bakırdere S., Ataman O. Y.
XII. Ulusal Spektroskopi Kongresi, Antalya, Türkiye, 18 - 22 Mayıs 2011, ss.19
- CXXVIII. **ICPMS ile güvenilir bor tayini için örneklerden karbon uzaklaştırma çalışmaları**
Bora S., Evcimen İ., Bakırdere S., Ataman O. Y.
XII. Ulusal Spektroskopi Kongresi, Antalya, Türkiye, 18 - 22 Mayıs 2011
- CXXIX. **ICPMS ile prostat kanserli doku örneklerinde selenyum ve kadmiyum tayini**
Şenol F., Çelen İ., Müezzinoğlu T., Ataman O. Y., Bakırdere S., Korkmaz M., Neşe N., Lekili M.
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- CXXX. **Yarıklı kuvars t p-Atomik Absorpsiyon Spektrometri ile bizmut tayini**
Kılınç E., Bakırdere S., Aydın F., Ataman O. Y.
XII. Ulusal Spektroskopi Kongresi, Antalya, T rkiye, 18 - 22 Mayıs 2011, ss.9
- CXXXI. **Determination of As, Cd and Se in Anatolian spices by inductively coupled plasma mass-spectrometry**
Őenol F., Bakırdere S., Aydın F., Ataman O. Y.
7th Aegean Analytical Chemistry Days, Mitilini, Yunanistan, 29 Eyl l - 03 Ekim 2010, ss.182
- CXXXII. **Tellurium speciation using hydride generation atomic absorption spectrometry and In-Situ graphite cuvette trapping**
Yıldırım E., Akay P., Arslan Y., Bakırdere S., Ataman O. Y.
7th Aegean Analytical Chemistry Days, Mitilini, Yunanistan, 29 Eyl l - 03 Ekim 2010, ss.33
- CXXXIII. **Boron determination in human blood by ICP-MS**
Bora S., Bakırdere S., Ataman O. Y.
7th Aegean Analytical Chemistry Days, Mitilini, Yunanistan, 29 Eyl l - 03 Ekim 2010, ss.73
- CXXXIV. **Determination of thiols in biological samples using HPLC-ICP-MS and HPLC-Orbitrap MS**
Bakırdere S., Bramanti E., D'Ulivo A., Ataman O. Y., Mester Z.
5. Ulusal Analitik Kimya Kongresi, Erzurum, T rkiye, 21 - 25 Haziran 2010, ss.50
- CXXXV. **Hava filtresi  rneklerinde ICP-OES ile bor tayini**
Yıldırım E., Bora S., Arslan Y., Bakırdere S., Ataman O. Y.
5. Ulusal Analitik Kimya Kongresi, Erzurum, T rkiye, 21 - 25 Haziran 2010, ss.118
- CXXXVI. **Semen  rneklerinde ICP-MS ile bor tayini**
Aydın M.,  zdemir E.,  zcan Ő., Bora S., Arslan Y., Bakırdere S., Ataman O. Y.
5. Ulusal Analitik Kimya Kongresi, Erzurum, T rkiye, 21 - 25 Haziran 2010, ss.215
- CXXXVII. **Development of a sensitive analytical method for thallium determination using slotted tube atom trap and atomic absorption spectrometry**
Yıldırım A., Bakırdere S., Ataman O. Y.
5th Black Sea Basin Conference on Analytical Chemistry, Ordu, T rkiye, 23 - 26 Eyl l 2009, ss.50
- CXXXVIII. **Interference studies for lead determination by Ta coated slotted tube-atom trap-flame atomic absorption spectrometry**
DemirtaŐ İ., Bora S., Bakırdere S., Ataman O. Y.
5th Black Sea Basin Conference on Analytical Chemistry, Ordu, T rkiye, 23 - 26 Eyl l 2009, ss.52
- CXXXIX. **Determination of lead by in-situ graphite cuvette trapping hydride generation atomic absorption spectrometry**
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National Research Center, Canada