

Prof. Sezgin BAKIRDERE

Personal Information

Email: bsezgin@yildiz.edu.tr

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

International Researcher IDs

ORCID: 0000-0001-9746-3682

ScopusID: 6506190285

Yoksis Researcher ID: 137708

Education Information

Doctorate, Middle East Technical University, Faculty Of Arts And Sciences, Kimya, Turkey 2004 - 2009

Postgraduate, Fırat University, Fen Edebiyat Fakültesi, Kimya, Turkey 2001 - 2003

Undergraduate, Fırat University, Faculty Of Arts And Sciences, Kimya, Turkey 1997 - 2001

Foreign Languages

English, C1 Advanced

Dissertations

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

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

Research Areas

Chemistry, Analytical Chemistry, Adsorption Spectroscopy, Atomic Mass Spectrometry, Atomic and Molecular Spectroscopy, Chromatographic Analysis, Mass Spectroscopy, Natural Sciences

Academic Titles / Tasks

Professor, Yıldız Technical University, Fen Edebiyat Fakültesi, Kimya, 2017 - Continues

Associate Professor, Yıldız Technical University, Fen Edebiyat Fakültesi, Kimya, 2013 - 2017

Associate Professor, Yıldız Technical University, Faculty Of Education, Matematik Ve Fen Bilimleri Bölümü, 2012 - 2013

Assistant Professor, Yıldız Technical University, Faculty Of Education, Matematik Ve Fen Bilimleri Bölümü, 2012 - 2012

Research Assistant PhD, Zonguldak Bülent Ecevit University, Faculty Of Arts And Sciences, 2010 - 2012

Research Assistant PhD, Middle East Technical University, Fen Edebiyat Fakültesi, Kimya, 2009 - 2010

Research Assistant, Middle East Technical University, Fen Edebiyat Fakültesi, Kimya, 2002 - 2009

Academic and Administrative Experience

Dean, Yildiz Technical University, Faculty Of Applied Sciences, 2017 - 2021

Manager of Research and Application Center, Yildiz Technical University, 2016 - 2020

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

Advising Theses

BAKIRDERE S., Alevli Atomik Absorpsiyon Spektrofotometre Cihaz Duyarlılığının Yarıkli Kuartz Tüp (YKT) ile Artırılması ve YKT İç Yüzeyinin Adsorpsiyon Özelliklerinin İncelenmesi, Doctorate, Ç.Büyükpınar(Student), Continues

Bakırdere S., Özdoğan N., Farklı Analitlerin Önderiştirilmesinde Zirkonyum Nanopartiküllerin Kullanılması, Postgraduate, Z.TEKİN(Student), Continues

Bakırdere S., Farklı Pestisit, Hormon ve İlaç Etken Madde Grubu Endokrin Bozucu Maddelerin Önderiştirilmesi Sonrası GC-MS Sisteminde Eser Seviyelerde Tayinleri, Doctorate, E.Seda(Student), Continues

Bakırdere S., Balık Yağı Örneklerinde Bulunan Organik Analitlerin Ters Faz Dağıtıcı Sıvı-Sıvı Mikroekstraksiyon Stratejisi Kullanılarak Eser Seviyelerde Tayinleri, Postgraduate, G.ÖZZEYBEK(Student), Continues

Bakırdere S., Uçucu Bileşen Oluşturma Alevli Atomik Absorpsiyon Sistemine Antimon Tayinine Yönelik Analitik Yöntem Geliştirme, Postgraduate, E.YAZICI(Student), Continues

Bakırdere S., Türleme Çalışmalarında Tayin Limitlerinin Düşürülmesine Yönelik Analitik Yöntemlerin Geliştirilmesi, Postgraduate, S.BODUR(Student), Continues

Bakırdere S., Poli Aromatik Hidrokarbonların Tayininde Yeni Analitik Stratejiler, Postgraduate, M.Selin(Student), Continues

Bakırdere S., Nanokompozitler kullanılarak seçili mikrokirleticilerin çevre örneklerinde eser seviyelerde tayinleri, Postgraduate, B.TIŞLI(Student), Continues

Bakırdere S., Combination of Microextraction Strategies and T-Shaped Quartz Tube to Lower the Detection Limits, Doctorate, E.AKKAYA(Student), Continues

Bakırdere S., Bakırdere E. G., New solid and liquid phase microextraction strategies for trace analyte determinations in atomic spectroscopy, Doctorate, B.Tuğba(Student), Continues

Bakırdere S., Vücut sıvılarında bulunan farklı hastalık belirteçlerinin tayinlerine yönelik analitik stratejilerin geliştirilmesi, Doctorate, U.BALÇIK(Student), Continues

Bakırdere S., Moleküler Baskılı Polimerlerin Analitik Uygulamaları, Postgraduate, N.Aylin(Student), Continues

Keyf S., Bakırdere S., Organik/İnorganik Kirleticilerin Ultraeser Seviyelerde Tayinlerine Yönelik Yeni Analitik Stratejilerin Geliştirilmesi, Doctorate, T.UNUTKAN(Student), Continues

Engin G., Bakırdere S., Simultaneous Determination of Nervous System Drugs and Their Treatment From Wastewater by Novel Adsorption Technologies, Doctorate, G.DALGIÇ(Student), Continues

Bakırdere S., Accurate and sensitive determination of organic and inorganic contaminants in body fluids and environmental samples using novel analytical strategies, Doctorate, S.ERARPAT(Student), Continues

Bakırdere S., Acı biber örneklerinde kapsaisin tayinine yönelik özgün mikroekstraksiyon yöntemleri geliştirilmesi, Postgraduate, İ.ŞAHİN(Student), Continues

Bakırdere S., Eser Seviyelerde Melamin Tayinine Yönelik Analitik Yöntem Geliştirilmesi, Postgraduate, E.MALTEPE(Student), Continues

Bakırdere S., Can S., Selenyum, krom türlemesi ve ceviz köken tayinine yönelik yüksek doğruluk ve duyarlılıkta analitik yöntemler geliştirilmesi, Doctorate, B.Arı(Student), Continues

Bakırdere S., Farklı Matrikslerde Bulunan Endokrin Bozucu Maddelerin Önderiştirme Sonrası Eser Seviyelerde Tayinleri, Doctorate, D.Selali(Student), Continues

Bakırdere S., Organik/İnorganik Analitlerin Gıda Örneklerinde Eser Seviyelerde Tayinlerine Yönelik Özgün Analitik Stratejilerin Geliştirilmesi, Postgraduate, T.BORAHAN(Student), Continues

Özbek B., Bakırdere S., Determination of Trace Analytes in Biological Fluids by Q TOF LC/MS Using Isotope Dilution Method, Doctorate, E.ÖZTÜRKER(Student), 2020

Bakırdere S., Development of analytical strategies for accurate and precise determination of endocrine disruptive

chemicals in biological and environmental matrices, Postgraduate, S.ERARPAT(Student), 2019

Bakirdere S., Pestisit ve Endokrin Bozucu Maddelerin Düşük Seviyelerde Eşzamanlı Tayinleri ve Biyoerişebilirlik Seviyelerinin Belirlenmesi, Postgraduate, U.Balçık(Student), 2019

Özdoğan N., Bakirdere S., Farklı pestisitlerin akıllı ve ikili dağıtıcı sıvı sıvı mikroekstraksiyon stratejileri ile yüksek doğruluk ve duyarlılıkla eşzamanlı tayinleri, Postgraduate, F.KAPUKIRAN(Student), 2019

Bakirdere S., Uçucu Bileşen Oluşturma -Atomik Absorpsiyon Spektrofotometre Sisteminde Analitlerin Düşük Seviyelerde Tayinleri, Postgraduate, B.Tuğba(Student), 2018

Bakirdere S., Determination of trace and ultratrace cadmium in different matrices using microextraction strategies and analysis methods, Postgraduate, E.AKKAYA(Student), 2018

BAKIRDERE S., Eser Analiz ve Türleme Çalışmalarında Kromatografik Yöntemler, Postgraduate, S.Sel(Student), 2017

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

BAKIRDERE S., İlaç Aktif Maddelerinin Kararlılık Seviyelerinin HPLC Cihaz İle Tayinleri, Postgraduate, A.Kemal(Student), 2016

İçelli O., Bakirdere S., Ses dalgaları, manyetik alan ve elektrik alan etkisinde kurutulmuş gıdalardamikotoksinlerin tayini ve fiziksel/kimyasal parametrelerin incelenmesi, Doctorate, E.Nuroğlu(Student), 2016

Keyf S., Bakirdere S., Amoksisilin Farklı Matrikslerde Yüksek Basınçlı Sıvı Kromatografi Sistemi İle Düşük Seviyelerde Tayini, Postgraduate, T.UNUTKAN(Student), 2016

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

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

BAKIRDERE S., Türk Makam Müziğinin Günümüze Aktarımında Gramofon Kayıtlarının Rolü, Disklerin Kimyasal ve Fiziksel Analizleri ve Tayin Sonuçlarının Ses Kalitesiyle İlişkisi, Postgraduate, D.Seltuğ(Student), 2016

Published journal articles indexed by SCI, SSCI, and AHCI

- 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., Kayn İ., BAKIRDERE S.
Trends in Environmental Analytical Chemistry, vol.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, vol.197, no.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, vol.212, no.3, pp.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, vol.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., Akbıyık H., GÜNKARA Ö. T., BAKIRDERE S.
Microchemical Journal, vol.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, vol.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, vol.196, no.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, vol.14, no.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, vol.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, vol.196, no.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, vol.15, no.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., Akbiyik H., Girgin A., DALGIÇ BOZYİĞİT G., BAKIRDERE E. G., BAKIRDERE S.
Environmental Monitoring and Assessment, vol.196, no.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., Akbiyik H., Tezgin E., Zaman B. T., DALGIÇ BOZYİĞİT G., Şaylan M., BAKIRDERE S.
Journal of Analytical Science and Technology, vol.15, no.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, vol.17, no.2, pp.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, vol.9, no.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, vol.9, no.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, vol.205, 2024 (SCI-Expanded)
- XVIII. **Microwave-assisted synthesis of γ -aloooh 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, vol.196, no.10, pp.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, vol.196, no.9, 2024 (SCI-Expanded)
- XX. Determination of trace amounts of metobromuron herbicide residues in fruits by QuEChERS and DLLME methods**
Ofli S., Zaman B. T., Kılınc Y., Bakirdere S., Turak F.
Journal of Food Composition and Analysis, vol.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, vol.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, vol.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., Ofli S., Ayyıldız M. F., Serbest H., DALGIÇ BOZYİĞİT G., BAKIRDERE S.
Chemical Papers, vol.78, no.13, pp.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**
Bahçivan A., Şaylan M., SAĞDIÇ O., BAKIRDERE S.
Food Chemistry, vol.447, 2024 (SCI-Expanded)
- XXV. Graphene oxide-zinc oxide nanocomposite modified disposable electrodes for detection of uric acid in fetal bovine serum**
Yildirim A., Maral M., Tugba Zaman B., Bozoglu A., Demir C., BAKIRDERE S., Erdem A.
Journal of Electroanalytical Chemistry, vol.965, 2024 (SCI-Expanded)
- 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, vol.78, no.11, pp.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, vol.78, no.10, pp.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.
Journal of Chemical Technology and Biotechnology, vol.99, no.7, pp.1646-1659, 2024 (SCI-Expanded)
- 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, vol.26, no.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.
Food Chemistry, vol.441, 2024 (SCI-Expanded)

- 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, vol.196, no.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 BOZYİĞİT G., Temuge İ. D., ÇETİN G., BAKIRDERE S.
Water, Air, and Soil Pollution, vol.235, no.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 Bakırdere E., BAKIRDERE S.
Food Chemistry, vol.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, vol.9, no.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, vol.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, vol.62, no.3, pp.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.
Water, Air, and Soil Pollution, vol.235, no.3, 2024 (SCI-Expanded)
- 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, vol.16, no.9, pp.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.
Chemical Papers, vol.78, no.4, pp.2185-2192, 2024 (SCI-Expanded)
- 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, vol.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**
Kilinç Y., Zaman B. T., BAKIRDERE S., Özdoğan N.
Food Chemistry, vol.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 BOZYİĞİT G., Zaman B. T., ÖZDEMİR O. K., Kilinç Y., Chormey D. S., BAKIRDERE S., ENGİN G.
Environmental Monitoring and Assessment, vol.196, no.1, 2024 (SCI-Expanded)

- 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**
Tıslı B., Gösterişli T., BAKIRDERE S.
Analytical Letters, vol.57, no.11, pp.1715-1726, 2024 (SCI-Expanded)
- XLV. **Introduction for the 12th Aegean Analytical Chemistry Days (AACD 2023) Conference Special Issue in Analytical Letters**
BAKIRDERE S.
Analytical Letters, 2024 (SCI-Expanded)
- 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**
Akbiyik H., Serbes H., Kilinç Y., Ofly S., Gürsoy S., Özdoğan N., ÇETİN G., BAKIRDERE S.
Analytical Letters, 2024 (SCI-Expanded)
- XLVII. **Microwave-assisted hydrothermal green synthesis of selenium nanoparticles incorporated with hyaluronic acid methacrylate/gelatin methacrylate hydrogels for wound healing applications**
Nejati O, Tıslı B., Yaşayan G., Zaman B. T., Torkay G., Dönmez M., Kayın İ., BAKIRDERE S., Bal-Öztürk A.
Polymer Engineering and Science, vol.64, no.1, pp.316-327, 2024 (SCI-Expanded)
- XLVIII. **Simultaneous complexation and extraction of manganese in melissa tea sample by deep eutectic solvent based liquid phase microextraction**
Bayraktar A., ERARPAT S., Diridiri P. N., Kuşat K., BAKIRDERE S.
Journal of Food Composition and Analysis, vol.125, 2024 (SCI-Expanded)
- XLIX. **Ultraviolet-assisted Fenton digestion of peach juice for the determination of nickel by flame atomic absorption spectrometry (FAAS)**
Ayyıldız M. F., Şaylan M., Yazıcı E., Chormey D. S., BAKIRDERE S.
Analytical Letters, vol.57, no.13, pp.2170-2181, 2024 (SCI-Expanded)
- L. **A simple microwave-assisted synthesis of cobalt ferrite nanoparticles and its application for the determination of lead ions in rooibos (*Aspalathus linearis*) tea**
Ayyıldız M. F., Karaman D. N., Kartoğlu B., Şaylan M., Chormey D. S., BAKIRDERE S.
Food Chemistry, vol.429, 2023 (SCI-Expanded)
- LI. **Development of an analytical strategy for the determination of trace lead in hibiscus tea extract by double slotted quartz tube assisted flame atomic absorption spectrometry after manganese ferrite based dispersive solid phase extraction**
Nur Karaman D., Serbest H., Bahçivan A., POLAT KORKUNÇ Ü., BAKIRDERE S.
Microchemical Journal, vol.195, 2023 (SCI-Expanded)
- LII. **Biogenic synthesis of novel nanomaterials and their applications**
Chormey D. S., Zaman B. T., Borahan Kustanto T., ERARPAT BODUR S., Bodur S., Tekin Z., Nejati O., BAKIRDERE S.
Nanoscale, vol.15, no.48, pp.19423-19447, 2023 (SCI-Expanded)
- LIII. **Smartphone digital image colorimetry combined with dispersive solid-phase microextraction for the determination of boron in food samples**
Caleb J., Alshana U., ERTAŞ N., BAKIRDERE S.
Food Chemistry, vol.426, 2023 (SCI-Expanded)
- LIV. **Analytical application of flower-shaped nickel nanomaterial for the preconcentration of manganese in domestic wastewater samples**
Aydın E. S., Zaman B. T., DALGIÇ BOZYİĞİT G., BAKIRDERE S.
Environmental Monitoring and Assessment, vol.195, no.11, 2023 (SCI-Expanded)
- LV. **Cadmium determination at trace levels in lake water samples by cold vapor generation-atomic absorption spectrometry after magnetic dispersive solid phase extraction**
Bodur S., ERARPAT S., Kayın İ., BAKIRDERE S.

Chemical Papers, vol.77, no.11, pp.6629-6636, 2023 (SCI-Expanded)

- LVI. **Combination of smartphone digital image colorimetry and UV-Vis spectrophotometry as detection systems with solidified floating organic drop microextraction as preconcentration method for the quantification of methyl red in wastewater samples**
Bombom M., Girgin A., Zaman B. T., TURAK F., BAKIRDERE S.
Turkish Journal of Chemistry, vol.47, no.5, pp.1075-1084, 2023 (SCI-Expanded)
- LVII. **Spray assisted preconcentration method combined with HPLC – Continuous flow hydride generation – FAAS for inorganic arsenic speciation in olive oil samples**
Bodur S., ERARPAT S., Tutar O. F., BAKIRDERE S.
Journal of Food Composition and Analysis, vol.123, 2023 (SCI-Expanded)
- LVIII. **T-cut slotted quartz tube-atom trap strategy for the on-line preconcentration of thallium in well water samples**
Bombom M., Zaman B. T., DALGIÇ BOZYİĞİT G., Şaylan M., Bayraktar A., ARVAS B., YOLAÇAN Ç., BAKIRDERE S.
Measurement: Journal of the International Measurement Confederation, vol.220, 2023 (SCI-Expanded)
- LIX. **A powerful combination of liquid chromatography-triple quadrupole mass spectrometry and quadruple isotope dilution strategy for the determination of fenuron at trace levels in river water, stream water and fruit juice samples**
Bodur S., ERARPAT S., GÜNKARA Ö. T., BAKIRDERE S.
Journal of Food Composition and Analysis, vol.123, 2023 (SCI-Expanded)
- LX. **Colorimetric Sensor Based AgNPs for the Detection of Cyanide using UV-Vis Spectrophotometry**
Girgin A., Akbıyık H., Zaman B. T., ÇETİN G., BAKIRDERE S.
ChemistrySelect, vol.8, no.33, 2023 (SCI-Expanded)
- LXI. **Trace cadmium determination in lake water matrix by flame atomic absorption spectrometry after manganese ferrite magnetic nanoparticles-based dispersive solid phase extraction**
Karaman D. N., Serbest H., Kilinç Y., Demirel R., BAKIRDERE S.
Clean - Soil, Air, Water, vol.51, no.9, 2023 (SCI-Expanded)
- LXII. **Quantification of trace fenuron in waste water samples by matrix matching calibration strategy and gas chromatography-mass spectrometry after simultaneous derivatization and preconcentration**
Ofllu S., ERARPAT S., Zaman B. T., Eroğlu K., GÜNKARA Ö. T., BAKIRDERE S., TURAK F.
Environmental Monitoring and Assessment, vol.195, no.9, 2023 (SCI-Expanded)
- LXIII. **Novel data on genotoxic assessment of bismuth sulfide nanoflowers in common carp *Cyprinus carpio***
Ergenler A., Turan F., Zaman B. T., Tezgin E., BAKIRDERE S., Depci T.
Environmental Monitoring and Assessment, vol.195, no.9, 2023 (SCI-Expanded)
- LXIV. **Microwave assisted synthesis method for cobalt nanoleaves and its usage in sensitive determination of lead in blue butterfly tea extract and tap water samples by flame atomic absorption spectrophotometry**
Kartoğlu B., Bahçivan A., ERARPAT S., Bayraktar A., BAKIRDERE S.
Journal of Food Composition and Analysis, vol.121, 2023 (SCI-Expanded)
- LXV. **Enhancing the quantification accuracy for selected endocrine disruptors in different tea samples by GC-MS using matrix matching calibration strategy**
Chormey D. S., BAKIRDERE S.
Microchemical Journal, vol.191, 2023 (SCI-Expanded)
- 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**
Kapukran F., Kartoğlu B., Ebrar Karlıdağ N., BAKIRDERE S.
ChemistrySelect, vol.8, no.27, 2023 (SCI-Expanded)
- LXVII. **Determination of selenium by gas chromatography-mass spectrometry after formation of its volatile derivative and preconcentration using vortex-assisted dispersive liquid-liquid microextraction**
Topal S., Öner M., Zaman B. T., Demir C., TURAK F., GÜNKARA Ö. T., BAKIRDERE S.
New Journal of Chemistry, vol.47, no.30, pp.14520-14527, 2023 (SCI-Expanded)

- LXVIII. **Assessment of external calibration, internal standard calibration and quadruple isotope dilution strategies for the determination of acrylamide in wastewater samples after LC-MS/MS quantification**
Yazıcı E., Bodur S., ERARPAT S., Arslan U. E., BAKIRDERE S.
Microchemical Journal, vol.190, 2023 (SCI-Expanded)
- LXIX. **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, vol.20, no.7, pp.7533-7542, 2023 (SCI-Expanded)
- LXX. **Trace nickel determination in seawater matrix using combination of dispersive liquid-liquid microextraction and triethylamine-assisted Mg(OH)₂ method**
Kublay İ. Z., KOÇOĞLU E. S., Oflu S., ARVAS B., YOLAÇAN Ç., BAKIRDERE S.
Environmental Monitoring and Assessment, vol.195, no.7, 2023 (SCI-Expanded)
- LXXI. **Nanoflower synthesis, characterization and analytical applications: a review**
Chormey D. S., ERARPAT S., Zaman B. T., Özdoğan N., Yağmuroğlu O., BAKIRDERE S.
Environmental Chemistry Letters, vol.21, no.3, pp.1863-1880, 2023 (SCI-Expanded)
- LXXII. **A Simple and Effective Quantification of Water-Soluble Rhodium in Soil Samples by Magnetic-Colloidal-Gel-Assisted Dispersive Solid Phase Extraction**
Cesur B., Atsever N., Tuğba Zaman B., BAKIRDERE S.
ChemistrySelect, vol.8, no.19, 2023 (SCI-Expanded)
- LXXIII. **Development of Fe₃O₄/reduced graphene oxide nanocomposite-based dispersive solid-phase extraction for the quantification of five steroid hormones**
Çağatay N. U., Maviş M. E., ERARPAT S., BAKIRDERE S.
Bioanalysis, vol.15, no.9, pp.503-512, 2023 (SCI-Expanded)
- LXXIV. **Synthesis of Isotopic Labelled Paracetamol Benzoate-d₃ and Its Application in the Determination of Paracetamol**
Demirel R., ERARPAT BODUR S., Bodur S., GÜNKARA Ö. T., BAKIRDERE S., TURAK F.
ChemistrySelect, vol.8, no.13, 2023 (SCI-Expanded)
- LXXV. **Development of a vortex-assisted dispersive micro-solid-phase extraction using reduced graphene oxide/Fe₃O₄ nanocomposites for the determination of chlorfenson pesticide in green tea samples by high-performance liquid chromatography-ultraviolet detection**
Aydin N., Tekin Z., Turan N. B., BAKIRDERE S.
CHEMICAL PAPERS, vol.77, no.4, pp.2141-2149, 2023 (SCI-Expanded)
- LXXVI. **Development of a rapid and efficient analytical method for trace lead determination: Manganese dioxide nanoflower based dispersive solid-phase extraction**
Öner M., Demir C., ÇETİN G., BAKIRDERE S.
Measurement: Journal of the International Measurement Confederation, vol.211, 2023 (SCI-Expanded)
- LXXVII. **A simple spray assisted extraction/preconcentration of cadmium from sunflower oil, olive oil and hazelnut oil samples prior to flame atomic absorption spectrometry determination**
Bodur S., ERARPAT S., Tutar Ö. F., BAKIRDERE S.
Journal of Food Composition and Analysis, vol.117, 2023 (SCI-Expanded)
- LXXVIII. **Deep eutectic solvent-based simultaneous complexation and preconcentration of nickel in Antarctic lake water samples for determination by flame atomic absorption spectrometry**
Tan İ. Ş., Kılınç Y., Zaman B. T., BAKIRDERE S.
Environmental Monitoring and Assessment, vol.195, no.2, 2023 (SCI-Expanded)
- 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**
Oflu S., Erarpat S., Zaman B. T., Günkara Ö. T., Bakirdere S., Turak F.
Journal of Pharmacological and Toxicological Methods, vol.119, 2023 (SCI-Expanded)
- LXXX. **Nickel hydroxide nanoflower-based dispersive solid-phase extraction of copper from water matrix**
Saylan M., Demirel R., Ayyıldız M. F., Chormey D. S., ÇETİN G., BAKIRDERE S.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.195, no.1, 2023 (SCI-Expanded)

- LXXXI. **Microwave assisted effective synthesis of CdS nanoparticles to determine the copper ions in artichoke leaves extract samples by flame atomic absorption spectrometry**
Saylan M., Metin B., Akbiyik H., Turak F., Çetin G., Bakırdere S.
JOURNAL OF FOOD COMPOSITION AND ANALYSIS, vol.115, 2023 (SCI-Expanded)
- 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**
Metin B., Guleryuz A., Chormey D. S., Zaman B. T., BAKIRDERE S.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.195, no.1, 2023 (SCI-Expanded)
- LXXXIII. **Development of copper nanoflowers based dispersive solid-phase extraction method for cadmium determination in shalgam juice samples using slotted quartz tube atomic absorption spectrometry**
Karlidag N. E., Toprak M., Demirel R., Zaman B. T., BAKIRDERE S.
FOOD CHEMISTRY, vol.396, 2022 (SCI-Expanded)
- 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**
Karlidag N. E., Demirel R., Serbest H., Turak F., Bakırdere S.
ANALYTICAL METHODS, vol.15, no.1, pp.56-62, 2022 (SCI-Expanded)
- LXXXV. **Plastic sieve equipped two-syringe assisted magnetic colloidal gel for dispersive solid-phase extraction of manganese in tea samples**
Aydin E. S., Zaman B. T., Serbest H., Kapukiran F., Turak F., Bakırdere S.
JOURNAL OF FOOD COMPOSITION AND ANALYSIS, vol.114, 2022 (SCI-Expanded)
- 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)**
SAĞER T., BAKIRDERE S., Imik H., Borahan T., Zaman B. T., EDEN A.
ANALYTICAL LETTERS, vol.56, no.1, pp.101-119, 2022 (SCI-Expanded)
- LXXXVII. **Chromium speciation by the combination of high-performance liquid chromatography and inductively coupled plasma-optical emission spectrometry**
Erarpat S., Demir C., Oner M., Bakırdere S.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.194, no.10, 2022 (SCI-Expanded)
- 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**
Unutkan Gösterişli T., Oflu S., Keyf S., Bakırdere S.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.194, no.10, 2022 (SCI-Expanded)
- LXXXIX. **Performance evaluation of ceramic membrane bioreactor: effect of operational parameters on micropollutant removal and membrane fouling**
Çağlak A., Chormey D. S., Bakırdere S., Engin G.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.29, no.45, pp.68306-68319, 2022 (SCI-Expanded)
- XC. **Removal of twelve endocrine disrupting compounds from wastewater using two laboratory-scale batch-type bioreactors**
Chormey D. S., Çağlak A., Durak B. Y., Zaman B. T., Engin G., Bakırdere S.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, vol.19, no.8, pp.7539-7546, 2022 (SCI-Expanded)
- 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**
ERARPAT S., Bodur S., GÜNKARA Ö. T., BAKIRDERE S.
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, vol.217, 2022 (SCI-Expanded)
- XCII. **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, vol.179, 2022 (SCI-Expanded)

- XCVI. **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, vol.233, no.7, 2022 (SCI-Expanded)
- XCV. **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**
Serbest H., Bakırdere S., Keyf S.
Chemical Papers, vol.76, pp.3437-3445, 2022 (SCI-Expanded)
- XCV. **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**
ERARPAT S., Bodur S., Oner M., GÜNKARA Ö. T., BAKIRDERE S.
RAPID COMMUNICATIONS IN MASS SPECTROMETRY, vol.36, no.12, 2022 (SCI-Expanded)
- 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**
DALGIÇ BOZYİĞİT G., Kilinc Y., Zaman B. T., Chormey D. S., BAKIRDERE S.
ANALYTICAL SCIENCES, vol.38, no.6, pp.843-849, 2022 (SCI-Expanded)
- XCVII. **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, vol.377, 2022 (SCI-Expanded)
- 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**
Ercan M. S. F., Ayyıldız M. F., Yazıcı E., Metin B., Chormey D. S., Koçoğlu E. S., Bakırdere S.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.194, no.5, 2022 (SCI-Expanded)
- XCIX. **Novel Salicylic Acid Modified Magnetic Nanoparticles Based Ligandless Extraction for the Accurate Determination of Bismuth in Urine Samples by Flame Atomic Absorption Spectrophotometry**
Saylan M., Karlıdag N. E., Toprak M., Tekin Z., Balcık U., Er E., BAKIRDERE S.
ANALYTICAL LETTERS, vol.55, no.11, pp.1719-1730, 2022 (SCI-Expanded)
- C. **Magnetic Nanoparticle-Based Dispersive Solid-Phase Microextraction of Three UV Blockers Prior to Their Determination by HPLC-DAD**
Abughrin S. E., Alshana U., BAKIRDERE S.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH, vol.19, no.10, 2022 (SCI-Expanded)
- 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, vol.233, no.5, 2022 (SCI-Expanded)
- CII. **Serum Levels of Selected Elements in Patients with Beta Thalassemia Major**
Sahin A., Er E., Öz E., Yildirmak Z. Y., Bakırdere S.
BIOLOGICAL TRACE ELEMENT RESEARCH, vol.200, no.4, pp.1502-1507, 2022 (SCI-Expanded)
- CIII. **Performance Evaluation of A/O Membrane Bioreactor System in the Effective Removal of Endocrine-Disrupting Chemicals: the Effect of SRT and Flux Rate**
Sözüdoğru O., Koçoğlu E. S., Yılmaz A. E., Bakırdere S., Komesli O. T.
Water Air And Soil Pollution, vol.233, pp.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 Horseshoe and Faure Islands**
Tekin Z., Karhıdađ N. E., Özdođan N., KOÇOđLU E. S., BAKIRDERE S.
Journal of Hazardous Materials, vol.426, 2022 (SCI-Expanded)
- CV. **Accurate determination of amino acids by quadruple isotope dilution-reverse phase liquid Chromatography-Tandem mass spectrometry after derivatization with 2-Naphthoyl chloride**
Er E. O., ERARPAT S., Bodur S., GÜNKARA Ö. T., ÖZBEK B., BAKIRDERE S.
JOURNAL OF CHROMATOGRAPHY A, vol.1667, 2022 (SCI-Expanded)
- 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**
Borahan T., Girgin A., Atsever N., Zaman B. T., Chormey D. S., BAKIRDERE S.
EUROPEAN FOOD RESEARCH AND TECHNOLOGY, vol.248, no.3, pp.707-713, 2022 (SCI-Expanded)
- CVII. **Bioaccessibility and bioavailability of selenium species in Se-enriched leeks (*Allium Porrum*) cultivated by hydroponically**
Ari B., ÖZ E., Can S. Z., BAKIRDERE S.
FOOD CHEMISTRY, vol.372, 2022 (SCI-Expanded)
- CVIII. **Polystyrene-Coated Magnetite Nanoparticles Based Dispersive Micro-Solid Phase Extraction of Active Pharmaceutical Ingredients of Antidepressant Drugs and Determination by GC-MS**
DALGIÇ BOZYİđİT G., Zaman B. T., ÖZDEMİR O. K., Kilinc Y., Chormey D. S., ENGİN G., BAKIRDERE S.
CHEMISTRYSELECT, vol.7, no.10, 2022 (SCI-Expanded)
- CIX. **Determination of levetiracetam by GC-MS and effects of storage conditions and gastric digestive systems on drug samples**
ERULAŞ F. A., Chormey D. S., ÖZ E., BAKIRDERE S.
BIOANALYSIS, vol.14, pp.217-222, 2022 (SCI-Expanded)
- CX. **Zirconium Nanoparticles Based Vortex Assisted Ligandless Dispersive Solid Phase Extraction for Trace Determination of Lead in Domestic Wastewater using Flame Atomic Absorption Spectrophotometry**
Ay E., Tekin Z., ÖZDOđAN N., BAKIRDERE S.
BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.108, no.2, pp.324-330, 2022 (SCI-Expanded)
- 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**
DALGIÇ BOZYİđİT G., Ayyildiz M. F., Chormey D. S., ENGİN G., BAKIRDERE S.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.194, no.2, 2022 (SCI-Expanded)
- 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**
Tekin Z., Özdođan N., BAKIRDERE S.
International Journal of Environmental Analytical Chemistry, vol.102, no.4, pp.935-944, 2022 (SCI-Expanded)
- 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.
ANALYTICAL LETTERS, vol.55, no.2, pp.237-245, 2022 (SCI-Expanded)
- CXIV. **One step derivatization and dispersive liquid-liquid microextraction of hydroxychloroquine sulfate for its sensitive and accurate determination using GC-MS**
Bodur S., ERARPAT S., GÜNKARA Ö. T., BAKIRDERE S.
Journal of Pharmacological and Toxicological Methods, vol.113, 2022 (SCI-Expanded)

- 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.
ANALYTICAL LETTERS, vol.55, no.7, pp.1017-1026, 2022 (SCI-Expanded)
- CXVI. **Magnetic Nanoparticles Based Solid Phase Extraction Methods for the Determination of Trace Elements**
ÖZTÜRK ER E., DALGIÇ BOZYİĞİT G., Büyükpınar Ç., BAKIRDERE S.
Critical Reviews in Analytical Chemistry, vol.52, no.2, pp.231-249, 2022 (SCI-Expanded)
- 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, vol.55, no.10, pp.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**
Erarpat S., Bodur S., Chormey D. S., Öz E., Bakırdere S.
Analytical Letters, vol.55, no.7, pp.1080-1092, 2022 (SCI-Expanded)
- CXIX. **Atrazine: From Detection to Remediation - A Minireview**
Bakaraki Turan N., Zaman B. T., Chormey D. S., Onkal Engin G., BAKIRDERE S.
ANALYTICAL LETTERS, vol.55, no.3, pp.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, vol.55, no.2, pp.175-185, 2022 (SCI-Expanded)
- CXXI. **Nanoparticles Based Extraction Strategies for Accurate and Sensitive Determination of Different Pesticides**
Erarpat S., Bodur S., Bakırdere S.
CRITICAL REVIEWS IN ANALYTICAL CHEMISTRY, vol.52, no.6, pp.1370-1385, 2022 (SCI-Expanded)
- 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)**
Tekin Z., ÖZDOĞAN N., Karlıdag N. E., BAKIRDERE S.
ANALYTICAL LETTERS, vol.56, no.1, pp.120-131, 2022 (SCI-Expanded)
- CXXIII. **Removal of selected pesticides, alkylphenols, hormones and bisphenol A from domestic wastewater by electrooxidation process**
Bozyigit G., Ayyildiz M. F., Chormey D. S., Turan N. B., Kapukiran F., Engin G., BAKIRDERE S.
WATER SCIENCE AND TECHNOLOGY, vol.85, pp.220-228, 2022 (SCI-Expanded)
- CXXIV. **Determination of Silver in Metal Plating Wastewater by Slotted Quartz Tube Flame Atomic Absorption Spectrometry (SQT-FAAS) after Preconcentration with Stearic Acid-Coated Magnetite Nanoparticle-Based Solid-Phase Microextraction (SA-MNP-SPME)**
Serbest H., Bakırdere S., Keyf S.
ANALYTICAL LETTERS, vol.55, no.7, pp.1104-1118, 2022 (SCI-Expanded)
- CXXV. **Determination of copper in human blood serum by flame atomic absorption spectrometry after UV-assisted Fenton digestion using binary magnetite nanoparticles**
Ayyildiz M. F., Yazici E., Saylan M., Chormey D. S., BAKIRDERE S.
MEASUREMENT, vol.186, 2021 (SCI-Expanded)
- CXXVI. **Effervescence-assisted liquid phase microextraction prior to slotted quartz tube-flame atomic absorption spectrometry for cadmium determination in domestic wastewater samples**
Borahan T., Karlıdağ N. E., YAĞCI Ö., BAKIRDERE S.
Chemical Papers, vol.75, pp.6307-6314, 2021 (SCI-Expanded)

- CXXVII. **Determination of trace cadmium in saliva samples using spray assisted droplet formation-liquid phase microextraction prior to the measurement by slotted quartz tube-flame atomic absorption spectrophotometry**
Topal S., Saylan M., Zaman B. T., BAKIRDERE S.
JOURNAL OF TRACE ELEMENTS IN MEDICINE AND BIOLOGY, vol.68, 2021 (SCI-Expanded)
- CXXVIII. **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., Bakirdere S.
Food Chemistry, vol.361, 2021 (SCI-Expanded)
- CXXIX. **Sensitive, Accurate and Selective Determination of Cd(II) Using Anodic Stripping Voltammetry With In-situ Hg-Bi Film Modified Pencil Graphite Electrode After Magnetic Dispersive Solid Phase Microextraction**
Yaman B., Zaman B. T., BAKIRDERE S., DİLGİN Y.
ELECTROANALYSIS, vol.33, no.10, pp.2161-2168, 2021 (SCI-Expanded)
- 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**
BÜYÜKPINAR Ç., Yazici E., SAN N., KOMESLİ O. T., BAKIRDERE S.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.193, no.10, 2021 (SCI-Expanded)
- CXXXI. **Determination of Cadmium in Mineral Water Samples by Slotted Quartz Tube-Flame Atomic Absorption Spectrometry After Peristaltic Pump Assisted Silica Nanoparticle Based Pipette Tip Solid Phase Extraction**
Girgin A., Atsever N., Borahan T., Tekin Z., BÜYÜKPINAR Ç., SAN N., BAKIRDERE S.
WATER AIR AND SOIL POLLUTION, vol.232, no.10, 2021 (SCI-Expanded)
- CXXXII. **A Novel Hydrogen Fluoride Assisted-Glass Surface Etching Based Liquid Phase Microextraction for the Determination of 4-n- Nonylphenol in Water by Gas Chromatography-Mass Spectrometry with Matrix Matching Strategy**
Öner M., Bodur S., Erarpat S., Bakirdere S.
ANALYTICAL SCIENCES, vol.37, no.10, pp.1433-1438, 2021 (SCI-Expanded)
- CXXXIII. **Surface modified iron magnetic nanoparticles assisted Fenton digestion and extraction method for cadmium determination**
Ayyıldız M. F., Saylan M., DALGIÇ BOZYİĞİT G., Chormey D. S., ÖZDEMİR O. K., BÜYÜKPINAR Ç., BAKIRDERE S.
ANALYTICAL BIOCHEMISTRY, vol.629, 2021 (SCI-Expanded)
- CXXXIV. **Arsenic speciation in rice samples for trace level determination by high performance liquid chromatography-inductively coupled plasma-mass spectrometry**
Kara S., Chormey D. S., Saygilar A., BAKIRDERE S.
FOOD CHEMISTRY, vol.356, 2021 (SCI-Expanded)
- CXXXV. **Development of a switchable solvent liquid phase extraction method for the determination of chlorthiamid, ethyl parathion, penconazole and fludioxonil pesticides in well, tap and lake water samples by gas chromatography mass spectrometry**
BULGURCUOĞLU A. E., Durak B. Y., Chormey D. S., BAKIRDERE S.
MICROCHEMICAL JOURNAL, vol.168, 2021 (SCI-Expanded)
- CXXXVI. **Quadruple isotope dilution gas chromatography-mass spectrometry after simultaneous derivatization and spraying based fine droplet formation liquid phase microextraction method for the accurate and sensitive quantification of chloroquine phosphate in human serum, urine and saliva samples at trace levels**
ERARPAT S., Bodur S., Oner M., GÜNKARA Ö. T., BAKIRDERE S.
JOURNAL OF CHROMATOGRAPHY A, vol.1651, 2021 (SCI-Expanded)
- CXXXVII. **Accurate and sensitive analytical method for trace iron determination in clove tea and tap water samples by slotted quartz tube-flame atomic absorption spectrometry after its preconcentration with supramolecular solvent-based liquid-phase microextraction**

- Yildirmaz B. B., Gölcü A., Zaman B. T., Kasa N. A., BAKIRDERE E. G., BAKIRDERE S.
CHEMICAL PAPERS, vol.75, no.8, pp.4157-4164, 2021 (SCI-Expanded)
- CXXXVIII. **Determination of selenite and selenomethionine in kefir grains by reversed-phase high-performance liquid chromatography-inductively coupled plasma-optical emission spectrometry**
Bodur S., Öner M., Erarpat S., Bakirdere S.
JOURNAL OF SEPARATION SCIENCE, vol.44, no.16, pp.3031-3040, 2021 (SCI-Expanded)
- CXXXIX. **Preconcentration of tellurium using magnetic hydrogel-assisted dispersive solid-phase extraction and its determination by slotted quartz tube-flame atomic absorption spectrophotometry**
Demir C., ÖZTÜRK ER E., Kartoglu B., Atsever N., YAĞCI Ö., Oner M., BAKIRDERE S.
CHEMICAL PAPERS, vol.75, no.8, pp.4261-4267, 2021 (SCI-Expanded)
- CXL. **An effective and rapid magnetic nanoparticle based dispersive solid phase extraction method for the extraction and preconcentration of cadmium from edible oil samples before ICP OES measurement**
Öner M., Bodur S., Demir C., Yazıcı E., ERARPAT S., BAKIRDERE S.
Journal of Food Composition and Analysis, vol.101, 2021 (SCI-Expanded)
- CXLI. **Cloud point extraction-slotted quartz tube with four-exit holes-flame atomic absorption spectrometry combination for the determination of cobalt at trace levels in fennel tea samples after complexation with a Schiff base ligand**
ozcan R., Kasa N. A., BAKIRDERE E. G., BAKIRDERE S.
JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION, vol.15, no.4, pp.2943-2950, 2021 (SCI-Expanded)
- CXLII. **A Sensitive Microextraction Method Using Effervescence Tablets to Disperse Fe₃O₄ Nanoparticles for Cadmium Determination in Lake Water Samples**
Borahan T., Karlidag N. E., Zaman B. T., BAKIRDERE S.
CHEMISTRYSELECT, vol.6, no.26, pp.6797-6802, 2021 (SCI-Expanded)
- CXLIII. **An accurate analytical method for the determination of antimony in tea and tap water samples: photochemical vapor generation-atom trapping prior to FAAS measurement**
Yazici E., BÜYÜKPINAR Ç., Bodur S., SAN N., KOMESLİ O. T., BAKIRDERE S.
CHEMICAL PAPERS, vol.75, no.7, pp.3309-3316, 2021 (SCI-Expanded)
- CXLIV. **Photochemical Vapor Generation Based Accurate Determination of Cadmium in Wastewater Using Novel Photoreactor and Gas-Liquid Separators Using Flame Atomic Absorption Spectrometry with Matrix Matching Calibration**
Buyukpinar C., Bodur S., SAN N., KOMESLİ O. T., BAKIRDERE S.
ANALYTICAL LETTERS, vol.54, no.14, pp.2315-2326, 2021 (SCI-Expanded)
- CXLV. **Combination of an Efficient Photochemical Vapor Generation System and Flame Atomic Absorption Spectrophotometry for Trace Nickel Determination in Wastewater Samples**
Buyukpinar C., SAN N., KOMESLİ O. T., BAKIRDERE S.
ANALYTICAL LETTERS, vol.54, no.9, pp.1457-1469, 2021 (SCI-Expanded)
- CXLVI. **Accurate Quantification of Nervous System Drugs in Aqueous Samples at Trace Levels by Binary Solvent Dispersive Liquid-Liquid Microextraction-Gas Chromatography Mass Spectrometry**
Dalgic Bozyigit G., Firat Ayyildiz M., Selali Chormey D., Onkal Engin G., Bakirdere S.
ENVIRONMENTAL TOXICOLOGY AND CHEMISTRY, vol.40, no.6, pp.1570-1575, 2021 (SCI-Expanded)
- CXLVII. **Implementation of a spraying-assisted fine droplet formation-based simultaneous liquid-phase microextraction method for the determination of copper in clove extract samples**
Bakaraki Turan N., Zaman B. T., Arvas B., Yolaçan Ç., Bakirdere S.
CHEMICAL PAPERS, vol.75, no.6, pp.2929-2935, 2021 (SCI-Expanded)
- 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**
ozzeybek G., Borahan T., Nesterkina M., Kravchenko I., BAKIRDERE S.
ANALYTICAL LETTERS, vol.54, no.14, pp.2376-2386, 2021 (SCI-Expanded)
- CXLIX. **Accurate and sensitive determination of cobalt in urine samples using deep eutectic solvent-assisted magnetic colloidal gel-based dispersive solid phase extraction prior to slotted quartz tube equipped**

flame atomic absorption spectrometry

Borahan T., Zaman B. T., Ozzeybek G., BAKIRDERE S.

CHEMICAL PAPERS, vol.75, no.6, pp.2937-2944, 2021 (SCI-Expanded)

- CL. **Accurate and sensitive determination of hydroxychloroquine sulfate used on COVID-19 patients in human urine, serum and saliva samples by GC-MS**
Bodur S., ERARPAT S., GÜNKARA Ö. T., BAKIRDERE S.
JOURNAL OF PHARMACEUTICAL ANALYSIS, vol.11, no.3, pp.278-283, 2021 (SCI-Expanded)
- CLI. **An accurate analytical method for the determination of cadmium: Ultraviolet based photochemical vapor generation-slotted quartz tube based atom trap-flame atomic absorption spectrophotometry**
BÜYÜKPINAR Ç., Bodur S., Yazici E., Tekin Z., SAN N., KOMESLİ O. T., BAKIRDERE S.
MEASUREMENT, vol.176, 2021 (SCI-Expanded)
- CLII. **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, vol.342, 2021 (SCI-Expanded)
- CLIII. **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, vol.54, no.6, pp.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**
Yazici E., BÜYÜKPINAR Ç., Bodur S., SAN N., KOMESLİ O. T., BAKIRDERE S.
CHEMICAL PAPERS, vol.75, no.4, pp.1377-1386, 2021 (SCI-Expanded)
- 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**
ÖZTÜRK ER E., ÖZBEK B., BAKIRDERE S.
Journal of Chromatography A, vol.1641, 2021 (SCI-Expanded)
- CLVI. **A rapid, sensitive and accurate determination of cobalamin with double monitoring system: HPLC-UV and HPLC-ICP-OES**
Bodur S., Erarpat S., Balçık U., Bakırdere S.
Food Chemistry, vol.340, 2021 (SCI-Expanded)
- 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**
Atsever N., Borahan T., Girgin A., Chormey D. S., BAKIRDERE S.
MICROCHEMICAL JOURNAL, vol.162, 2021 (SCI-Expanded)
- CLVIII. **Sodium, Magnesium, Calcium, Manganese, Iron, Copper, and Zinc in Serums of Beta Thalassemia Major Patients**
Şahin A., Er E., Öz E., Yıldırım Z. Y., Bakırdere S.
Biological Trace Element Research, vol.199, no.3, pp.888-894, 2021 (SCI-Expanded)
- 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.
ANALYTICAL LETTERS, vol.54, no.4, pp.637-645, 2021 (SCI-Expanded)
- 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.

JOURNAL OF PHARMACOLOGICAL AND TOXICOLOGICAL METHODS, vol.108, 2021 (SCI-Expanded)

- 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.
ANALYTICAL METHODS, vol.13, no.5, pp.703-711, 2021 (SCI-Expanded)
- 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**
Turan N. B., BAKIRDERE S.
Rapid Communications in Mass Spectrometry, vol.35, no.1, 2021 (SCI-Expanded)
- 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**
DALGIÇ BOZYIĞİT G., Ayyıldız M. F., Chormey D. S., ENGİN G., BAKIRDERE S.
JOURNAL OF AOAC INTERNATIONAL, vol.104, no.1, pp.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.
Environmental Monitoring and Assessment, vol.193, no.1, 2021 (SCI-Expanded)
- 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.
Analytica Chimica Acta, vol.1140, pp.178-189, 2020 (SCI-Expanded)
- CLXVI. **Determination of fipronil and bixafen pesticides residues using gas chromatography mass spectroscopy with matrix matching calibration strategy after binary dispersive liquid-liquid microextraction**
Ozcan R., Buyukpinar C., BAKIRDERE S.
JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART B-PESTICIDES FOOD CONTAMINANTS AND AGRICULTURAL WASTES, vol.55, no.12, pp.1041-1047, 2020 (SCI-Expanded)
- CLXVII. **Accurate, sensitive determination of omega-6 and omega-3 polyunsaturated fatty acids in human plasma, urine samples**
Öztürk Er E., Sahin A., Bakirdere S.
Biomedical Chromatography, vol.34, 2020 (SCI-Expanded)
- 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**
Bodur S., Erarpat S., Dalgıç Bozyiğit G., Selali Chormey D., Öz E., Özdoğan N., Bakirdere S.
Microchemical Journal, vol.159, 2020 (SCI-Expanded)
- 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**
Erulaş A. F., Şaylan M., Topal S., Zaman B. T., BAKIRDERE E. G., BAKIRDERE S.
Journal of Food Composition and Analysis, vol.94, 2020 (SCI-Expanded)
- 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, vol.53, no.17, pp.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.
MICROCHEMICAL JOURNAL, vol.158, 2020 (SCI-Expanded)
- 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**
Kasa N. A., Zaman B. T., BAKIRDERE S.
JOURNAL OF ANALYTICAL ATOMIC SPECTROMETRY, vol.35, no.11, pp.2565-2572, 2020 (SCI-Expanded)
- 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**
Ebrar K., Seda K., Toprak M., Yilmaz O., Bakirdere S.
FOOD CHEMISTRY, vol.329, 2020 (SCI-Expanded)
- 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.
Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, vol.239, 2020 (SCI-Expanded)
- 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.
JOURNAL OF MASS SPECTROMETRY, vol.55, no.10, 2020 (SCI-Expanded)
- 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.
ANALYTICAL LETTERS, vol.53, no.15, pp.2431-2444, 2020 (SCI-Expanded)
- CLXXVII. **Accurate and simple determination of oxcarbazepine in human plasma and urine samples using switchable-hydrophilicity solvent in GC-MS**
Erarpat S., Bodur S., Ayyıldız M. F., Günkara Ö. T., Erulaş F., Chormey D. S., Turak F., Budak T., Bakirdere S.
BIOMEDICAL CHROMATOGRAPHY, vol.34, no.10, 2020 (SCI-Expanded)
- 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.
JOURNAL OF ANALYTICAL CHEMISTRY, vol.75, no.10, pp.1330-1334, 2020 (SCI-Expanded)
- 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.
JOURNAL OF AOAC INTERNATIONAL, vol.103, no.5, pp.1250-1255, 2020 (SCI-Expanded)
- 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, vol.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, vol.54, pp.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.
Microchemical Journal, vol.157, 2020 (SCI-Expanded)

- 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, vol.53, no.14, pp.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**
Akarcay N. A., Chormey D. S., Kasa N. A., Zaman B. T., Bakirdere S.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, vol.100, no.11, pp.1197-1208, 2020 (SCI-Expanded)
- 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, vol.53, no.14, pp.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, vol.53, no.13, pp.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**
Bodur S., Borahan T., ATEŞ N., BAKIRDERE S.
Bulletin of Environmental Contamination and Toxicology, vol.105, no.3, pp.460-467, 2020 (SCI-Expanded)
- CLXXXVIII. **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**
Karlıdag N. E., Toprak M., Tekin Z., BAKIRDERE S.
JOURNAL OF FOOD COMPOSITION AND ANALYSIS, vol.92, 2020 (SCI-Expanded)
- 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.
Journal of Food Composition and Analysis, vol.91, 2020 (SCI-Expanded)
- 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, vol.44, no.32, pp.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, vol.49, no.8, pp.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, vol.192, no.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, vol.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, vol.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, vol.41, no.1, pp.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, vol.231, no.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.
TrAC - Trends in Analytical Chemistry, vol.128, 2020 (SCI-Expanded)
- 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**
Özzeybek G., Şahin İ., Erarpat S., Bakırdere S.
Journal of Food Composition and Analysis, vol.90, 2020 (SCI-Expanded)
- 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**
Özzeybek G., Erarpat S., Bakırdere S.
Analytical Letters, vol.53, no.10, pp.1525-1535, 2020 (SCI-Expanded)
- CC. **Removal of Selected Micropollutants from Synthetic Wastewater by Electrooxidation Using Oxidized Titanium and Graphite Electrodes**
Turan N. B., ÇAĞLAK A., BAKIRDERE S., Engin G. Ö.
Clean - Soil, Air, Water, vol.48, 2020 (SCI-Expanded)
- CCI. **Feasibility studies on the uptake and bioaccessibility of pesticides, hormones and endocrine disruptive compounds in plants, and simulation of gastric and intestinal conditions**
Chormey D. S., Ayyıldız M. F., BAKIRDERE S.
Microchemical Journal, vol.155, 2020 (SCI-Expanded)
- 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**
Baçık U., Chormey D. S., Ayyıldız M. F., BAKIRDERE S.
Microchemical Journal, vol.155, 2020 (SCI-Expanded)
- 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.
Talanta, vol.213, 2020 (SCI-Expanded)
- 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.

ANALYTICAL LETTERS, vol.53, no.9, pp.1504-1511, 2020 (SCI-Expanded)

- 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**
Akkaya E., Ozturk E., Kasa N. A., ÇETİN G., KOMESLİ O. T., BAKIRDERE S.
Journal of Analytical Atomic Spectrometry, vol.35, no.5, pp.961-966, 2020 (SCI-Expanded)
- 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**
Şaylan M., Zaman B. T., Gülhan Bakırdere E., BAKIRDERE S.
Journal of Food Composition and Analysis, vol.88, 2020 (SCI-Expanded)
- CCVII. **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, vol.53, no.7, pp.1053-1060, 2020 (SCI-Expanded)
- 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**
Seda Koçoğlu E. S., SÖZÜDOĞRU O., KOMESLİ O. T., YILMAZ A. B., Er E., BAKIRDERE S.
CHEMISTRY LETTERS, vol.49, no.5, pp.546-549, 2020 (SCI-Expanded)
- 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**
Firat Ayyıldız M., Selin Fındıkoğlu M., Selali Chormey D., BAKIRDERE S.
Journal of Food Composition and Analysis, vol.88, 2020 (SCI-Expanded)
- CCX. **Analytical protocol for determination of endosulfan beta, prothiofos, chlorpyrifos, and acibenzolar-s-methyl in lake water and wastewater samples by gas chromatography-mass spectrometry after dispersive liquid-liquid microextraction**
Bodur S., Özlü C., Tışlı B., Firat M., Chormey D. S., BAKIRDERE S.
Environmental Monitoring and Assessment, vol.192, no.4, 2020 (SCI-Expanded)
- 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**
Tekin Z., Unutkan T., Erulaş F., Bakırdere E. G., Bakırdere S.
FOOD CHEMISTRY, vol.310, 2020 (SCI-Expanded)
- 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**
Budak T., Ayyıldız M. F., Chormey D. S., Bakırdere S.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.192, no.5, 2020 (SCI-Expanded)
- 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**
Bozyiğit G., Ayyıldız M. F., Chormey D. S., Engin G., Bakırdere S.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.192, no.5, 2020 (SCI-Expanded)
- 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)

İçelli O., Öz E., Bakırdere S., Nuroglu E.

Analytical Letters, vol.53, no.5, pp.735-745, 2020 (SCI-Expanded)

- 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.
Analytical Methods, vol.12, no.9, pp.1244-1249, 2020 (SCI-Expanded)
- CCXVI. **Combination of ultrasound-assisted ethyl chloroformate derivatization and switchable solvent liquid-phase microextraction for the sensitive determination of l-methionine in human plasma by GC–MS**
Erarpat S., Bodur S., Öztürk E., Bakırdere S.
Journal of Separation Science, vol.43, no.6, pp.1100-1106, 2020 (SCI-Expanded)
- 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.
Talanta, vol.209, 2020 (SCI-Expanded)
- 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.
Microchemical Journal, vol.153, 2020 (SCI-Expanded)
- 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., Bakırdere S.
Food Chemistry, vol.305, 2020 (SCI-Expanded)
- CCXX. **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, vol.192, no.2, 2020 (SCI-Expanded)
- CCXXI. **Determination of fenazaquin in water and tomato matrices by GC-MS after a combined QuEChERS and switchable solvent liquid phase microextraction**
Turan N. B., Maltepe E., Chormey D. S., BAKIRDERE S.
Environmental Monitoring and Assessment, vol.192, no.2, 2020 (SCI-Expanded)
- 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**
Tekin Z., Öztürk E., Günkara Ö. T., Bakırdere S.
Journal of Chromatography A, vol.1611, 2020 (SCI-Expanded)
- 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**
Yılmaz Ö., Durak B. Y., Tekin Z., Koçoğlu E. S., Bakırdere S.
Analytical Letters, vol.53, no.2, pp.165-173, 2020 (SCI-Expanded)
- 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.
Food Chemistry, vol.303, 2020 (SCI-Expanded)
- 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., Bakırdere S.

MICROCHEMICAL JOURNAL, vol.152, 2020 (SCI-Expanded)

- 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**
Yazıcı E., Fırat M., Selali Chormey D., Gülhan Bakırdere E., Bakırdere S.
Food Chemistry, vol.302, 2020 (SCI-Expanded)
- CCXXVII. **Determination of Trace Element Concentrations in Blood Samples and Their Correlation to Breast Cancer**
TOPDAĞI Ö., TOKER O., BAKIRDERE S., ÖZ E., Bursalioglu E. O., Abuqbeith M., Demir M., İÇELLİ O.
ATOMIC SPECTROSCOPY, vol.41, no.1, pp.29-35, 2020 (SCI-Expanded)
- CCXXVIII. **Determination of indium in lettuce samples using hydrogen supported-T-cut-slotted quartz tube-atom trap-flame atomic absorption spectrometry**
Kapukıran F., YILMAZ Ö., Tekin Z., Büyükpınar Ç., Özdoğan N., BAKIRDERE S.
Chemistry Letters, vol.49, no.3, pp.276-279, 2020 (SCI-Expanded)
- CCXXIX. **Removal of Heavy Metals by a Membrane Bioreactor Combined with Activated Carbon**
Calik S., SÖZÜDOĞRU O., Massara T. M., YILMAZ A. E., BAKIRDERE S., Katsou E., KOMESLİ O. T.
ANALYTICAL LETTERS, vol.54, no.10, pp.1616-1626, 2020 (SCI-Expanded)
- CCXXX. **Optimization of atrazine removal from synthetic groundwater by electrooxidation process using titanium dioxide and graphite electrodes**
Bakaraki Turan N., Sarı Erkan H., Çağlak A., Bakırdere S., Engin G.
Separation Science And Technology, vol.55, no.16, pp.3036-3045, 2020 (SCI-Expanded)
- CCXXXI. **Rapid, accurate and sensitive determination of fenpropathrin as insecticide in dried strawberry samples by high performance liquid chromatography, and in vivo stability and behavior under gastric conditions**
Tekin Z., Zaman B. T., BAKIRDERE S.
Chemistry Letters, vol.49, no.1, pp.17-19, 2020 (SCI-Expanded)
- 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**
Şahin İ., Durak B. Y., Sağsöz O., Büyükpınar Ç., BAKIRDERE S.
Environmental Monitoring and Assessment, vol.192, no.1, 2020 (SCI-Expanded)
- CCXXXIII. **Influence of Hydraulic Retention Time (HRT) upon the Treatment of Wastewater by a Laboratory-Scale Membrane Bioreactor (MBR)**
SÖZÜDOĞRU O., Massara T. M., Calik S., YILMAZ A. E., BAKIRDERE S., Katsou E., KOMESLİ O. T.
ANALYTICAL LETTERS, vol.54, no.10, pp.1578-1587, 2020 (SCI-Expanded)
- 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**
Chormey D. S., Akkaya E., Erulaş F. A., BAKIRDERE S.
Microchimica Acta, vol.186, no.12, 2019 (SCI-Expanded)
- CCXXXV. **An analytical strategy for propoxur determination in raisin samples with matrix matching method after dispersive liquid-liquid microextraction**
Borahan T., Tekin Z., Zaman B. T., Chormey D. S., BAKIRDERE S.
Journal of Food Composition and Analysis, vol.84, 2019 (SCI-Expanded)
- CCXXXVI. **Determination of cadmium at trace levels in parsley samples by slotted quartz tube-flame atomic absorption spectrometry after preconcentration with cloud point extraction**
Kasa N. A., Sel S., Chormey D. S., BAKIRDERE S.
Measurement: Journal of the International Measurement Confederation, vol.147, 2019 (SCI-Expanded)
- 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**

- Karayaka S., Chormey D. S., Fırat M., BAKIRDERE S.
Chemosphere, vol.235, pp.205-210, 2019 (SCI-Expanded)
- :CXXXVIII. **Accurate and sensitive determination of lead in black tea samples using cobalt magnetic particles based dispersive solid-phase microextraction prior to slotted quartz tube-flame atomic absorption spectrometry**
Akkaya E., Erulas F. A., Büyükpınar Ç., BAKIRDERE S.
Food Chemistry, vol.297, 2019 (SCI-Expanded)
- CCXXXIX. **Radiation interaction parameters for blood samples of breast cancer patients: an MCNP study**
Toker O., Çağlar M., Öz E., Bakırdere S., Topdağı Ö., Eyecioglu O., İçelli O.
RADIATION AND ENVIRONMENTAL BIOPHYSICS, vol.58, no.4, pp.531-537, 2019 (SCI-Expanded)
- 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**
Koçoğlu E. S., Sözüdoğru O., Komesli O. T., Yılmaz A. E., Bakırdere S.
Environmental Monitoring and Assessment, vol.191, no.11, 2019 (SCI-Expanded)
- CCXLI. **Determination of micropollutants in wastewater matrix using gas chromatography-mass spectrometry after optimization of dispersive liquid-liquid microextraction**
ÇAĞLAK A., Chormey D. S., ENGİN G., BAKIRDERE S.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, vol.16, no.11, pp.7285-7292, 2019 (SCI-Expanded)
- 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**
Alacakoç B., Tekin Z., UNUTKAN T., ÇETİN G., BAKIRDERE S.
Atomic Spectroscopy, vol.40, no.6, pp.233-237, 2019 (SCI-Expanded)
- 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**
Borahan T., Unutkan T., Turan N. B., Turak F., Bakırdere S.
FOOD CHEMISTRY, vol.299, 2019 (SCI-Expanded)
- 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**
Yılmaz P., Öztürk Er E., Bakırdere S., Ülgen K., Özbek B.
Journal of Materials Research and Technology, vol.8, pp.5201-5216, 2019 (SCI-Expanded)
- 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**
Tekin Z., Er E. O., BAKIRDERE S.
MEASUREMENT, vol.146, pp.606-612, 2019 (SCI-Expanded)
- 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.**
Aylin K., Sel S., Özkan B., Bakırdere S.
Environmental monitoring and assessment, vol.191, pp.692, 2019 (SCI-Expanded)
- 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**
Fırat M., Chormey D. S., Bakırdere S., Turak F.
Environmental Monitoring and Assessment, vol.191, 2019 (SCI-Expanded)
- CCXLVIII. **Binary dispersive liquid-liquid microextraction strategy for accurate and precise determination of micropollutants in lake, well and wastewater matrices**
Sarı Erkan H., Chormey D. S., Çağlak A., Dalgıç Bozyiğit G., Maltepe E., Engin G., Bakırdere S.
Bulletin Of Environmental Contamination And Toxicology, vol.103, pp.841-847, 2019 (SCI-Expanded)

- CCXLIX. **Determination of butyltin compounds in fish and mussel samples at trace levels by vortex assisted dispersive liquid-liquid microextraction-gas chromatography mass spectrometry**
Erarpat S., Bodur S., Öz E., Bakırdere S.
JOURNAL OF FOOD COMPOSITION AND ANALYSIS, vol.82, 2019 (SCI-Expanded)
- 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.
JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T, vol.1, no.1, pp.1-16, 2019 (SCI-Expanded)
- 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**
Tekin Z., ERARPAT S., Şahin A., Chormey D. S., BAKIRDERE S.
FOOD CHEMISTRY, vol.286, pp.500-505, 2019 (SCI-Expanded)
- 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**
Kapakıran F., Fırat M., Chormey D. S., BAKIRDERE S., Özdoğan N.
Bulletin of Environmental Contamination and Toxicology, vol.102, no.6, pp.848-853, 2019 (SCI-Expanded)
- CCLIII. **Magnetic cobalt particle-assisted solid phase extraction of tellurium prior to its determination by slotted quartz tube-flame atomic absorption spectrophotometry**
Özdoğan N., Kapakıran F., ÖZTÜRK ER E., BAKIRDERE S.
Environmental Monitoring and Assessment, vol.191, no.6, 2019 (SCI-Expanded)
- 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**
Er E., Akkaya E., Özbek B., Bakırdere S.
Microchemical Journal, vol.147, pp.269-276, 2019 (SCI-Expanded)
- CCLV. **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, vol.155, pp.1-3, 2019 (SCI-Expanded)
- 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**
Er E., ÇAĞLAK A., Engin G., BAKIRDERE S.
MICROCHEMICAL JOURNAL, vol.146, pp.423-428, 2019 (SCI-Expanded)
- 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**
büyükpınar C., SAN N., KOMESLİ O. T., bakırdere S.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.191, no.5, 2019 (SCI-Expanded)
- 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**
Akkaya E., Bozyigit G., BAKIRDERE S.
MICROCHEMICAL JOURNAL, vol.146, pp.1190-1194, 2019 (SCI-Expanded)
- 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)**
ERARPAT S., ÇAĞLAK A., BODUR S., Chormey S. D., Engin G., BAKIRDERE S.
ANALYTICAL LETTERS, vol.52, no.5, pp.869-878, 2019 (SCI-Expanded)
- 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**
Deniz S., Kasa A., Sel S., Buyukpinar C., Bakirdere S.
ANALYTICAL LETTERS, vol.52, pp.745-753, 2019 (SCI-Expanded)
- 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**
Özkan B. Ç., Firat M., Chormey D. S., BAKIRDERE S.
MICROCHEMICAL JOURNAL, vol.145, pp.84-89, 2019 (SCI-Expanded)
- CCLXII. **Simultaneous Determination of Chromium Species in Water and Plant Samples at Trace Levels by Ion Chromatography-Inductively Coupled Plasma-Mass Spectrometry**
Sel S., Erulaş A. F., Turak F., Bakirdere S.
ANALYTICAL LETTERS, vol.52, no.5, pp.761-771, 2019 (SCI-Expanded)
- CCLXIII. **Evaluation of magnetic field assisted sun drying of food samples on drying time and mycotoxin production**
Nuroglu E., Öz E., Bakirdere S., Bursalioglu E. O., Kavanoz H. B., İçelli O.
INNOVATIVE FOOD SCIENCE & EMERGING TECHNOLOGIES, vol.52, pp.237-243, 2019 (SCI-Expanded)
- 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**
Bodur S., ERARPAT S., Chormey D. S., BÜYÜKPINAR Ç., BAKIRDERE S.
ANALYTICAL LETTERS, vol.52, no.3, pp.539-548, 2019 (SCI-Expanded)
- 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.
Journal of Separation Science, vol.42, no.3, pp.678-683, 2019 (SCI-Expanded)
- CCLXVI. **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., Firat M., Büyükpınar Ç., BAKIRDERE S.
Bulletin of Environmental Contamination and Toxicology, vol.102, no.1, pp.122-127, 2019 (SCI-Expanded)
- CCLXVII. **Switchable solvent liquid-phase microextraction-gas chromatography-quadrupole isotope dilution mass spectrometry for the determination of 4-n-nonylphenol in municipal wastewater**
ERARPAT S., Bodur S., Chormey D. S., BAKIRDERE S.
Microchemical Journal, vol.144, pp.1-5, 2019 (SCI-Expanded)
- 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, vol.40, pp.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.
JOURNAL OF SEPARATION SCIENCE, vol.42, pp.475-483, 2019 (SCI-Expanded)
- 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., Firat M., Chormey D. S., Budak T. B., Sahin Ç., TURAK F., BAKIRDERE S.
Atomic Spectroscopy, vol.40, no.1, pp.24-30, 2019 (SCI-Expanded)
- 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**
Er E., Maltepe E., BAKIRDERE S.
MICROCHEMICAL JOURNAL, vol.143, pp.393-399, 2018 (SCI-Expanded)

- CCLXXII. **Accurate determination of pesticides, hormones and endocrine disruptor compounds in complex environmental samples using matrix dilution and matrix matching with dispersive liquid-liquid microextraction**
Chormey D. S., Firat M., Büyükpınar Ç., Erulaş A. F., Komesli O. T., Turak F., Bakırdere S.
PURE AND APPLIED CHEMISTRY, vol.90, pp.1703-1711, 2018 (SCI-Expanded)
- 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**
Chormey D. S., Firat M., Bakırdere S.
Water, Air, and Soil Pollution, vol.229, 2018 (SCI-Expanded)
- 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**
KASA N. A., AKKAYA E., ZAMAN B. T., Cetin G., BAKIRDERE S.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.190, no.10, 2018 (SCI-Expanded)
- CCLXXV. **Simultaneous determination of iprodione, procymidone, and chlorflurenol in lake water and wastewater matrices by GC-MS after multivariate optimization of binary dispersive liquid-liquid microextraction**
Ozdogan N., Kapukiran F., MUTLUOGLU G., Chormey D. S., BAKIRDERE S.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.190, no.10, 2018 (SCI-Expanded)
- CCLXXVI. **Trace determination of nickel in water samples by slotted quartz tube-flame atomic absorption spectrometry after dispersive assisted simultaneous complexation and extraction strategy**
Özzeybek G., Alacakoç B., Kocabas M. Y., BAKIRDERE E. G., Chormey D. S., BAKIRDERE S.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.190, no.9, 2018 (SCI-Expanded)
- CCLXXVII. **Simultaneous Determination of Phorate and Oxyfluorfen in Well Water Samples with High Accuracy by GC-MS After Binary Dispersive Liquid-Liquid Microextraction**
Alkan E., Kapukiran F., Er E., Chormey D. S., Keyf S., Ozdogan N., Bakırdere S.
WATER AIR AND SOIL POLLUTION, vol.229, 2018 (SCI-Expanded)
- CCLXXVIII. **Sensitive determination of cadmium in lake water, municipal wastewater and onion samples by slotted quartz tube-flame atomic absorption spectrometry after preconcentration with microextraction strategy**
KAFA E. B., Firat M., Chormey D. S., TURAK F., BAKIRDERE S.
MEASUREMENT, vol.125, pp.219-223, 2018 (SCI-Expanded)
- CCLXXIX. **Determination of indium using vortex assisted solid phase microextraction based on oleic acid coated magnetic nanoparticles combined with slotted quartz tube-flame atomic absorption spectrometry**
Celik B., Akkaya E., BAKIRDERE S., Aydin F.
MICROCHEMICAL JOURNAL, vol.141, pp.7-11, 2018 (SCI-Expanded)
- CCLXXX. **Development of a sensitive analytical method for the determination of cadmium using hydrogen assisted T-shape slotted quartz tube-atom trap-flame atomic absorption spectrophotometry**
Şahin I., Buyukpınar C., SAN N., BAKIRDERE S.
SPECTROCHIMICA ACTA PART B-ATOMIC SPECTROSCOPY, vol.147, pp.9-12, 2018 (SCI-Expanded)
- CCLXXXI. **A sensitive and selective analytical method for the simultaneous determination of sildenafil and tadalafil in water, energy drinks and sewage sludge matrices by LC-QTOF-MS/MS**
Er E., Özbek B., Bakırdere S.
MEASUREMENT, vol.124, pp.64-71, 2018 (SCI-Expanded)
- CCLXXXII. **Selenium speciation in chicken breast samples from inorganic and organic selenium fed chickens using high performance liquid chromatography-inductively coupled plasma-mass spectrometry**
BAKIRDERE S., VOLKAN M., ATAMAN O. Y.
JOURNAL OF FOOD COMPOSITION AND ANALYSIS, vol.71, pp.28-35, 2018 (SCI-Expanded)
- CCLXXXIII. **Correlation between Na/K ratio and electron densities in blood samples of breast cancer patients**

Topdağı Ö., Toker O., Bakırdere S., Bursalioglu E. O., Öz E., Eyecioglu O., Demir M., İçelli O.
BIOMETALS, vol.31, pp.673-678, 2018 (SCI-Expanded)

- :CLXXXIV. **Development of an efficient and sensitive analytical method for the determination of copper at trace levels by slotted quartz tube atomic absorption spectrometry after vortex-assisted dispersive liquid-liquid microextraction in biota and water samples using a novel ligand**
Zaman B. T., Bakırdere E. G., Kasa N. A., Deniz S., Sel S., Chormey D. S., Bakırdere S.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.190, 2018 (SCI-Expanded)
- CCLXXXV. **Accurate and sensitive determination of selected hormones, endocrine disruptors, and pesticides by gas chromatography-mass spectrometry after the multivariate optimization of switchable solvent liquid-phase microextraction**
Chormey D. S., Bodur S., Baskın D., Fırat M., Bakırdere S.
JOURNAL OF SEPARATION SCIENCE, vol.41, 2018 (SCI-Expanded)
- :CLXXXVI. **Vortex-assisted switchable liquid-liquid microextraction for the preconcentration of cadmium in environmental samples prior to its determination with flame atomic absorption spectrometry**
Fırat M., Bodur S., Tışlı B., Özlü C., Chormey D. S., TURAK F., BAKIRDERE S.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.190, no.7, 2018 (SCI-Expanded)
- CLXXXVII. **Analysis of some physical, chemical and microbiological aspects of honey samples produced and consumed in Turkey**
BAKIRDERE S., Yaroglu T., Tirik N., Demiroz M., Karaca A.
REVISTA DE LA FACULTAD DE CIENCIAS AGRARIAS, vol.50, no.1, pp.263-271, 2018 (SCI-Expanded)
- :LXXXVIII. **Development and Validation of a Sensitive Method for Trace Nickel Determination by Slotted Quartz Tube Flame Atomic Absorption Spectrometry After Dispersive Liquid-Liquid Microextraction**
YOLCU S. M., Fırat M., Chormey D. S., Buyukpinar C., TURAK F., BAKIRDERE S.
BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.100, no.5, pp.715-719, 2018 (SCI-Expanded)
- :CLXXXIX. **Development of an Accurate and Sensitive Analytical Method for the Determination of Cadmium at Trace Levels Using Dispersive Liquid-Liquid Microextraction Based on the Solidification of Floating Organic Drops Combined with Slotted Quartz Tube Flame Atomic Absorption Spectrometry**
Aydn I., Chormey S. D., Budak T., Fırat M., Turak F., Bakırdere S.
JOURNAL OF AOAC INTERNATIONAL, vol.101, pp.843-847, 2018 (SCI-Expanded)
- CCXC. **Simultaneous determination of estrone and selected pesticides in water medium by GC-MS after multivariate optimization of microextraction strategy**
BULGURCUOĞLU A. E., YILMAZ B., CHORMEY D. S., BAKIRDERE S.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.190, no.4, 2018 (SCI-Expanded)
- CCXCI. **A novel analytical approach for the determination of parathion methyl in water: quadrupole isotope dilution mass spectrometry-dispersive liquid-liquid microextraction using multivariate optimization**
Chormey D. S., Er E., Erarpat S., Özzeybek G., Arı B., Bakırdere S.
ANALYST, vol.143, no.5, pp.1141-1146, 2018 (SCI-Expanded)
- CCXCII. **Determination of Cadmium in Tap, Sea and Waste Water Samples by Vortex-Assisted Dispersive Liquid-Liquid-Solidified Floating Organic Drop Microextraction and Slotted Quartz Tube FAAS After Complexation with a Imidazole Based Ligand**
Fındıkoğlu M. S., Fırat M., Chormey D. S., TURAK F., Şahin Ç., BAKIRDERE S.
Water, Air, and Soil Pollution, vol.229, no.2, 2018 (SCI-Expanded)
- CCXCIII. **Preface**
Chormey D. S., Bakırdere S., Turan N. B., Engin G. Ö.
Comprehensive Analytical Chemistry, vol.81, 2018 (SCI-Expanded)
- CCXCIV. **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, vol.56, pp.36-40, 2018 (SCI-Expanded)
- CCXCV. **Development of a sensitive closed batch vessel hydride generation atomic absorption spectrometry**

method for the determination of cadmium in aqueous samples

Buyukpinar C., BEKAR B., Maltepe E., Chormey D. S., TURAK F., San N., BAKIRDERE S.
INSTRUMENTATION SCIENCE & TECHNOLOGY, vol.46, no.6, pp.645-655, 2018 (SCI-Expanded)

- CCXCVI. **Trace determination of cobalt in biological fluids based on preconcentration with a new competitive ligand using dispersive liquid-liquid microextraction combined with slotted quartz tube-flame atomic absorption spectrophotometry**
Er E., BAKIRDERE E. G., UNUTKAN T., BAKIRDERE S.
JOURNAL OF TRACE ELEMENTS IN MEDICINE AND BIOLOGY, vol.49, pp.13-18, 2018 (SCI-Expanded)
- CCXCVII. **Determination of lead at trace levels in mussel and sea water samples using vortex assisted dispersive liquid-liquid microextraction-slotted quartz tube-flame atomic absorption spectrometry**
ERARPAT S., Özzeybek G., Chormey D. S., BAKIRDERE S.
CHEMOSPHERE, vol.189, pp.180-185, 2017 (SCI-Expanded)
- CCXCVIII. **A new method for the determination of cadmium at ultratrace levels using slotted quartz tube-flame atomic absorption spectrometry after preconcentration with stearic acid coated magnetite nanoparticles**
AKKAYA E., KASA N. A., Cetin G., BAKIRDERE S.
JOURNAL OF ANALYTICAL ATOMIC SPECTROMETRY, vol.32, no.12, pp.2433-2438, 2017 (SCI-Expanded)
- CCXCIX. **Comparison of EDCs removal in full and pilot scale membrane bioreactor plants: Effect of flux rate on EDCs removal in short SRT**
KOMESLİ O. T., Muz M., Ak M., BAKIRDERE S., Gökçay C.
Journal of Environmental Management, vol.203, pp.847-852, 2017 (SCI-Expanded)
- CCC. **Simultaneous determination of niacin and pyridoxine at trace levels by using diode array high-performance liquid chromatography and liquid chromatography with quadrupole time-of-flight tandem mass spectrometry**
Sel S., Er E., Bakirdere S.
JOURNAL OF SEPARATION SCIENCE, vol.40, pp.4740-4746, 2017 (SCI-Expanded)
- CCCI. **Multivariate optimization of dispersive liquid-liquid microextraction for the determination of paclobutrazol and triflumizole in water by GC-MS**
Chormey D. S., Karakuş Y., Karayaka S., Özsöyler Ç., Bozdoğan A. E., Bakirdere S.
JOURNAL OF SEPARATION SCIENCE, vol.40, pp.4541-4548, 2017 (SCI-Expanded)
- CCCII. **Biodegradation of hydroxyapatite coated Rex-734 alloy with silver and selenium/chitosan substitutions: In vitro analysis**
AKSAKAL B., Say Y., Buyukpinar C., BAKIRDERE S.
CERAMICS INTERNATIONAL, vol.43, no.15, pp.12609-12615, 2017 (SCI-Expanded)
- CCCIII. **A novel liquid-liquid extraction for the determination of naphthalene by GC-MS with deuterated anthracene as internal standard**
ERARPAT S., Özzeybek G., Chormey D. S., ERULAŞ F., TURAK F., BAKIRDERE S.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.189, no.10, 2017 (SCI-Expanded)
- CCCIV. **Sensitive determination of cadmium using solidified floating organic drop microextraction-slotted quartz tube-flame atomic absorption spectroscopy**
Akkaya E., Chormey D. S., BAKIRDERE S.
Environmental Monitoring and Assessment, vol.189, no.10, 2017 (SCI-Expanded)
- CCCIV. **Determination of cadmium 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., Bakirdere S.
MICROCHEMICAL JOURNAL, vol.133, pp.144-148, 2017 (SCI-Expanded)
- CCCVI. **Quorum sensing: Little talks for an effective bacterial coordination**
Turan N. B., Chormey D. S., Büyükpınar Ç., Engin G., Bakirdere S.
TrAC - Trends in Analytical Chemistry, vol.91, pp.1-11, 2017 (SCI-Expanded)
- CCCVII. **Simultaneous determination of selected hormones, endocrine disruptor compounds, and pesticides in water medium at trace levels by GC-MS after dispersive liquid-liquid microextraction**

- Chormey D. S., Buyukpinar C., Turak F., Komesli O. T., Bakirdere S.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.189, 2017 (SCI-Expanded)
- CCCVIII. **Arsenic speciation in water and biota samples at trace levels by ion chromatography inductively coupled plasma-mass spectrometry**
Firat M., BAKIRDERE S., Sel S., Chormey D. S., Elkiran O., Erulas F., TURAK F.
International Journal of Environmental Analytical Chemistry, vol.97, no.7, pp.684-693, 2017 (SCI-Expanded)
- CCCIX. **Determination of nickel in water and soil samples at trace levels using photochemical vapor generation-batch type ultrasonication assisted gas liquid separator-atomic absorption spectrometry**
Büyükpınar Ç., MALTEPE E., CHORMEY D. S., San N., BAKIRDERE S.
MICROCHEMICAL JOURNAL, vol.132, pp.167-171, 2017 (SCI-Expanded)
- CCCX. **Sensitive determination of copper in water samples using dispersive liquid-liquid microextraction-slotted quartz tube-flame atomic absorption spectrometry**
ÖZZEYBEK G., ERARPAT S., CHORMEY D. S., FIRAT M., Büyükpınar Ç., TURAK F., BAKIRDERE S.
Microchemical Journal, vol.132, pp.406-410, 2017 (SCI-Expanded)
- CCCXI. **Determination of trace amount of cadmium using dispersive liquid-liquid microextraction-slotted quartz tube-flame atomic absorption spectrometry**
Firat M., Bakirdere S., Fındıkoğlu M. S., Kafa E. B., Yazıcı E., Yolcu M., Büyükpınar Ç., Chormey D. S., Sel S., Turak F.
Spectrochimica Acta - Part B Atomic Spectroscopy, vol.129, pp.37-41, 2017 (SCI-Expanded)
- CCCXII. **Isotopic ratio analysis of cattle tail hair: A potential tool in building the database for cow milk geographical traceability**
Behkami S., Zain S. M., Gholami M., BAKIRDERE S.
Food Chemistry, vol.217, pp.438-444, 2017 (SCI-Expanded)
- CCCXIII. **A Novel Liquid-Liquid Extraction for the Determination of Sertraline in Tap Water and Waste Water at Trace Levels by GC-MS**
Koçoğlu E. S., Bakirdere S., Keyf S.
Bulletin of Environmental Contamination and Toxicology, vol.99, pp.354-359, 2017 (SCI-Expanded)
- CCCXIV. **A simple design for microwave assisted digestion vessel with low reagent consumption suitable for food and environmental samples**
Gholami M., Behkami S., Zain S. M., BAKIRDERE S.
Scientific Reports, vol.6, 2016 (SCI-Expanded)
- CCCXV. **Sensitive Determination of Sertraline in Commercial Drugs and Its Stability Check in Simulated Gastric Juice**
Koçoğlu E. S., Bakirdere S., Keyf S.
JOURNAL OF AOAC INTERNATIONAL, vol.99, pp.1527-1532, 2016 (SCI-Expanded)
- CCCXVI. **Speciation of Arsenic in Fish by High-Performance Liquid Chromatography-Inductively Coupled Plasma-Mass Spectrometry**
Özcan Ş., BAKIRDERE S., ATAMAN O. Y.
Analytical Letters, vol.49, no.15, pp.2501-2512, 2016 (SCI-Expanded)
- CCCXVII. **Determination of Lead in Drinking and Wastewater by Hydride Generation Atomic Absorption Spectrometry**
BAKIRDERE S., CHORMEY D. S., Büyükpınar Ç., SAN N., KEYF S.
Analytical Letters, vol.49, no.12, pp.1917-1925, 2016 (SCI-Expanded)
- CCCXVIII. **Milk authentication and discrimination via metal content clustering - A case of comparing milk from Malaysia and selected countries of the world**
Zain S. M., Behkami S., BAKIRDERE S., Koki I. B.
Food Control, vol.66, pp.306-314, 2016 (SCI-Expanded)
- CCCXIX. **Simultaneous determination of sildenafil and tadalafil in legal drugs, illicit/counterfeit drugs, and wastewater samples by high-performance liquid chromatography**
Fidan A. K., BAKIRDERE S.
Journal of AOAC International, vol.99, no.4, pp.923-928, 2016 (SCI-Expanded)
- CCCXX. **A Novel Liquid-Liquid Extraction for the Determination of Nicotine in Tap Water, Wastewater, and**

Saliva at Trace Levels by GC-MS

Dobrowska J. S., Erarpat S., Chormey D. S., Pyrzynska K., Bakirdere S.

JOURNAL OF AOAC INTERNATIONAL, vol.99, no.3, pp.806-812, 2016 (SCI-Expanded)

- CCCXXI. **Determination of contamination levels of Pb, Cd, Cu, Ni, and Mn caused by former lead mining gallery**
BAKIRDERE S., Bölücek C., Yaman M.
Environmental Monitoring and Assessment, vol.188, no.3, pp.1-7, 2016 (SCI-Expanded)
- CCCXXII. **Development of a sensitive liquid-liquid extraction method for the determination of N-butyryl-L-homoserine lactone produced in a submerged membrane bioreactor by gas chromatography mass spectrometry and deuterated anthracene as the internal standard**
Bakaraki N., Chormey D. S., Bakirdere S., Engin G. O.
ANALYTICAL METHODS, vol.8, pp.2660-2665, 2016 (SCI-Expanded)
- CCCXXIII. **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 conditions**
SERBEST H., BAKIRDERE S., KEYF S.
JOURNAL OF LIQUID CHROMATOGRAPHY & RELATED TECHNOLOGIES, vol.39, no.11, pp.526-531, 2016 (SCI-Expanded)
- CCCXXIV. **Study of the electron densities of some food products dried using the new method**
Nuroglu E., Bursalioglu E. O., Karabul Y., Bakirdere S., İçelli O.
DRYING TECHNOLOGY, vol.34, pp.1445-1454, 2016 (SCI-Expanded)
- CCCXXV. **Occurrence, fate and removal of endocrine disrupting compounds (EDCs) in Turkish wastewater treatment plants**
KOMESLİ O. T., Muz M., Ak M., BAKIRDERE S., Gokcay C.
Chemical Engineering Journal, vol.277, pp.202-208, 2015 (SCI-Expanded)
- CCCXXVI. **Molecular characterization of silver-stearate nanoparticles (AgStNPs): A hydrophobic and antimicrobial material against foodborne pathogens**
Bakirdere S., Yılmaz M. T., Törnük F., Keyf S., Yılmaz A., Sağdıç O., Kocabas B.
FOOD RESEARCH INTERNATIONAL, vol.76, pp.439-448, 2015 (SCI-Expanded)
- CCCXXVII. **Selenium, nickel, and calcium levels in cancerous and non-cancerous prostate tissue samples and their relation with some parameters**
Çelen İ., Müezzinoğlu T., ATAMAN O. Y., BAKIRDERE S., Korkmaz M., Neşe N., Şenol F., Lekili M.
Environmental Science and Pollution Research, vol.22, no.17, pp.13070-13076, 2015 (SCI-Expanded)
- CCCXXVIII. **Lead determination at ng/mL level by flame atomic absorption spectrometry using a tantalum coated slotted quartz tube atom trap**
Demirtaş I., BAKIRDERE S., ATAMAN O. Y.
Talanta, vol.138, pp.218-224, 2015 (SCI-Expanded)
- CCCXXIX. **Speciation of Selenium in Supplements by High Performance Liquid Chromatography-Inductively Coupled Plasma-Mass Spectrometry**
BAKIRDERE S., VOLKAN M., ATAMAN O. Y.
Analytical Letters, vol.48, no.9, pp.1511-1523, 2015 (SCI-Expanded)
- CCCXXX. **Sensitive determination of lead, cadmium and nickel in soil, water, vegetable and fruit samples using STAT-FAAS after preconcentration with activated carbon**
Keskin G., BAKIRDERE S., Yaman M.
Toxicology and Industrial Health, vol.31, no.10, pp.881-889, 2015 (SCI-Expanded)
- CCCXXXI. **Determination of trace aflatoxin M1 levels in milk and milk products consumed in Turkey by using enzyme-linked immunosorbent assay**
BAKIRDERE S., Yaroğlu T., Tirik N., Demiröz M., Karaca A.
Food and Agricultural Immunology, vol.25, no.1, pp.61-69, 2014 (SCI-Expanded)
- CCCXXXII. **Determination of trace aflatoxin levels in agricultural products and foodstuffs using ELISA system after immunoaffinity clean-up procedure**
BAKIRDERE S., Yaroğlu T., Tirik N., Demiröz M., Karaca A.

Minerva Biotechnologica, vol.26, no.4, pp.235-240, 2014 (SCI-Expanded)

- :CCXXXIII. **In situ atom trapping of Bi on W-coated slotted quartz tube flame atomic absorption spectrometry and interference studies**
Kilinç E., BAKIRDERE S., Aydın F., ATAMAN O. Y.
Spectrochimica Acta - Part B Atomic Spectroscopy, vol.89, pp.14-19, 2013 (SCI-Expanded)
- :CCXXXIV. **Determination of As, Cd, and Pb in tap water and bottled water samples by using optimized GFAAS system with Pd-Mg and Ni as matrix modifiers**
BAKIRDERE S., Yaroğlu T., Tirik N., Demiröz M., Fidan A. K., Maruldali O., Karaca A.
Journal of Spectroscopy, vol.1, no.1, 2013 (SCI-Expanded)
- CCXXXV. **Gas-Screen Slotted Quartz Tube Atomic Absorption Spectrometry: A Remedy for Reducing Interference Effects of Calcium and Chromium**
Gholami M., Yosefi M., Behkami S., Talei Babil Olyai M., Arslan Y., BAKIRDERE S., ATAMAN O. Y.
Analytical Letters, vol.46, no.6, pp.959-968, 2013 (SCI-Expanded)
- :CCXXXVI. **Tellurium speciation analysis using hydride generation in situ trapping electrothermal atomic absorption spectrometry and ruthenium or palladium modified graphite tubes**
Yildirim E., Akay P., Arslan Y., BAKIRDERE S., ATAMAN O. Y.
Talanta, vol.102, pp.59-67, 2012 (SCI-Expanded)
- CCXXXVII. **Determination of Selected Endocrine Disrupter Compounds at Trace Levels in Sewage Sludge Samples**
Sönmez M. S., Muz M., Komesli O. T., BAKIRDERE S., Gökçay C. F.
Clean - Soil, Air, Water, vol.40, no.9, pp.980-985, 2012 (SCI-Expanded)
- :CXXXVIII. **Simultaneous determination of selected endocrine disrupter compounds in wastewater samples in ultra trace levels using HPLC-ES-MS/MS**
Komesli O. T., Bakirdere S., Bayören C., Gökçay C. F.
Environmental Monitoring and Assessment, vol.184, no.8, pp.5215-5224, 2012 (SCI-Expanded)
- :CCXXXIX. **Sensitive determination of bismuth by flame atomic absorption spectrometry using atom trapping in a slotted quartz tube and revolatilization with organic solvent pulse**
Kilinç E., BAKIRDERE S., Aydın F., ATAMAN O. Y.
Spectrochimica Acta - Part B Atomic Spectroscopy, vol.73, pp.84-88, 2012 (SCI-Expanded)
- CCXXL. **Aflatoxin species: Their health effects and determination methods in different foodstuffs**
BAKIRDERE S., Bora S., BAKIRDERE E. G., Aydın F., Arslan Y., Komesli O., Aydın I., Yildirim E.
Central European Journal of Chemistry, vol.10, no.3, pp.675-685, 2012 (SCI-Expanded)
- CCXXLI. **Nonlinear signal response in electrospray mass spectrometry: Implications for quantitation of arsenobetaine using stable isotope labeling by liquid chromatography and electrospray orbitrap mass spectrometry**
Ouerdane L., Meija J., Bakirdere S., Yang L., Mester Z.
Analytical Chemistry, vol.84, no.9, pp.3958-3964, 2012 (SCI-Expanded)
- CCXXLII. **Determination of selected natural hormones and endocrine disrupting compounds in domestic wastewater treatment plants by liquid chromatography electrospray ionization tandem mass spectrometry after solid phase extraction**
Muz M., Selcen Sönmez M., Komesli O. T., Bakirdere S., Gökay C. F.
Analyst, vol.137, no.4, pp.884-889, 2012 (SCI-Expanded)
- CCXXLIII. **Speciation of selenium in vitamin tablets using spectrofluorometry following cloud point extraction**
Güler N., Maden M., Bakirdere S., ATAMAN O. Y., VOLKAN M.
Food Chemistry, vol.129, no.4, pp.1793-1799, 2011 (SCI-Expanded)
- CCXXLIV. **Effects of chronic boron exposure on semen profile**
Korkmaz M., Yenigün M., Bakirdere S., ATAMAN O. Y., Keskin S., Müezzinoğlu T., Lekili M.
Biological Trace Element Research, vol.143, no.2, pp.738-750, 2011 (SCI-Expanded)
- CCXXLV. **Determination of zinc, copper, iron, and manganese in different regions of lamb brain**
Bakirdere S., Kizilkan N., Yaman M.
Biological Trace Element Research, vol.142, no.3, pp.492-499, 2011 (SCI-Expanded)

- CCCXLVI. **Determination of arsenobetaine in fish tissue by species specific isotope dilution LC-LTQ-Orbitrap-MS and standard addition lc-icpms**
Yang L., Ding J., Maxwell P., McCooeye M., Windust A., Ouerdane L., Bakirdere S., Willie S., Mester Z.
Analytical Chemistry, vol.83, no.9, pp.3371-3378, 2011 (SCI-Expanded)
- CCCXLVII. **Effects of formaldehyde inhalation on zinc, copper and iron concentrations in liver and kidney of male rats**
Özen O. A., Kus I., Bakirdere S., Sarsilmaz M., Yaman M.
Biological Trace Element Research, vol.140, no.2, pp.177-185, 2011 (SCI-Expanded)
- :CCXLVIII. **Lower limits of detection in speciation analysis by coupling high-performance liquid chromatography and chemical-vapor generation**
Arslan Y., Yildirim E., Gholami M., Bakirdere S.
TrAC - Trends in Analytical Chemistry, vol.30, no.4, pp.569-585, 2011 (SCI-Expanded)
- CCCXLIX. **Trace level determination of beryllium in natural and flavored mineral waters after pre-concentration using activated carbon**
Kilinç E., Bakirdere S., Yaman M.
Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, vol.28, no.4, pp.455-460, 2011 (SCI-Expanded)
- CCCL. **Prevalence of prostate cancer in high boron-exposed population: A community-based study**
Müezzinoğlu T., Korkmaz M., Neşe N., Bakirdere S., Arslan Y., ATAMAN O. Y., Lekili M.
Biological Trace Element Research, vol.144, pp.49-57, 2011 (SCI-Expanded)
- CCCLI. **From mg/kg to pg/kg levels: A story of trace element determination: A review**
Bakirdere S., Aydin F., Bakirdere E. G., Titretir S., Akdeniz I., Aydin I., YILDIRIM E., Arslan Y.
Applied Spectroscopy Reviews, vol.46, no.1, pp.38-66, 2011 (SCI-Expanded)
- CCCLII. **Speciation and determination of thiols in biological samples using high performance liquid chromatography-inductively coupled plasma-mass spectrometry and high performance liquid chromatography-Orbitrap MS**
Bakirdere S., Bramanti E., D'ulivo A., ATAMAN O. Y., Mester Z.
Analytica Chimica Acta, vol.680, pp.41-47, 2010 (SCI-Expanded)
- CCCLIII. **Use of sequential extraction with UV/Vis spectrophotometer to assess phosphorus species in surface sediments (NE Mediterranean Sea)**
Gunduz B., Aydin I., Bakirdere S., Saydut A., Aydin F.
Atomic Spectroscopy, vol.31, no.6, pp.196-200, 2010 (SCI-Expanded)
- CCCLIV. **Determination and interference studies of bismuth by tungsten trap hydride generation atomic absorption spectrometry**
Kula I., Arslan Y., Bakirdere S., Titretir S., Kendüzler E., ATAMAN O. Y.
Talanta, vol.80, no.1, pp.127-132, 2009 (SCI-Expanded)
- CCCLV. **Determination of antimony by using tungsten trap atomic absorption spectrometry**
Titretir S., Kendüzler E., Arslan Y., Kula I., Bakirdere S., ATAMAN O. Y.
Spectrochimica Acta - Part B Atomic Spectroscopy, vol.63, no.8, pp.875-879, 2008 (SCI-Expanded)
- CCCLVI. **A novel analytical system involving hydride generation and gold-coated W-coil trapping atomic absorption spectrometry for selenium determination at ng l- 1 level**
Kula I., Arslan Y., Bakirdere S., ATAMAN O. Y.
Spectrochimica Acta - Part B Atomic Spectroscopy, vol.63, no.8, pp.856-860, 2008 (SCI-Expanded)
- CCCLVII. **Determination of lead, cadmium and copper in roadside soil and plants in Elazig, Turkey**
Bakirdere S., Yaman M.
Environmental Monitoring and Assessment, vol.136, pp.401-410, 2008 (SCI-Expanded)
- CCCLVIII. **Estimation of human daily boron exposure in a boron-rich area**
Korkmaz M., Şayli U., Şayli B. S., Bakirdere S., Titretir S., ATAMAN O. Y., Keskin S.
British Journal of Nutrition, vol.98, no.3, pp.571-575, 2007 (SCI-Expanded)
- CCCLIX. **Effects of dietary boron on cervical cytopathology and on micronucleus frequency in exfoliated buccal cells**

- Korkmaz M., Uzgören E., Bakirdere S., Aydin F., ATAMAN O. Y.
Environmental Toxicology, vol.22, no.1, pp.17-25, 2007 (SCI-Expanded)
- CCCLX. **Comparison of dry, wet, and microwave ashing methods for the determination of Al, Zn, and Fe in yogurt samples by atomic absorption spectrometry**
Yaman M., Durak M., Bakirdere S.
Spectroscopy Letters, vol.38, pp.405-417, 2005 (SCI-Expanded)
- CCCLXI. **Comparison of trace metal concentrations in malign and benign human prostate**
Yaman M., Atici D., Bakirdere S., Akdeniz I.
Journal of Medicinal Chemistry, vol.48, no.2, pp.630-634, 2005 (SCI-Expanded)
- CCCLXII. **Zinc speciation in soils and relation with its concentration in fruits**
Yaman M., Okumus N., Bakirdere S., Akdeniz I.
Asian Journal of Chemistry, vol.17, no.1, pp.66-72, 2005 (SCI-Expanded)
- CCCLXIII. **Identification of chemical forms of lead, cadmium and nickel in sewage sludge of waste water treatment facilities**
Yaman M., Bakirdere S.
Mikrochimica Acta, vol.141, pp.47-54, 2003 (SCI-Expanded)
- CCCLXIV. **Contamination of aluminium from cooking utensils and yogurt containers**
Yaman M., Gunes M., Bakirdere S.
BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.70, no.3, pp.437-442, 2003 (SCI-Expanded)

Articles Published in Other Journals

- I. **Bor elementinin prostat kanseri üzerine etkisinin incelenmesi: Topluma dayalı çalışma**
BAKIRDERE S., Korkmaz M.
ÜROONKOLOJİ BÜLTENİ, 2011 (ESCI)
- II. **Effect of boron on human health**
BAKIRDERE S., Örenay S., Korkmaz M.
The Open Mineral Processing Journal, vol.3, pp.54-59, 2010 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Fundamentals of Quorum Sensing, Analytical Methods and Applications in Membrane Bioreactors, Volume 81**
Chormey D. S., BAKIRDERE S.
Elsevier, 2018
- II. **Principles and Recent Advancements in Microextraction Techniques**
Chormey D. S., Bakirdere S.
in: Comprehensive Analytical Chemistry, Chormey D.S., Bakirdere S., Turan N.B., Engin G.O., Editor, Elsevier B.V., Amsterdam, pp.257-294, 2018
- III. **Speciation Studies in Soil, Sediment and Environmental Samples**
Bakirdere S.
Crc Press/Taylor-Francis Group, Florida, 2013

Refereed Congress / Symposium Publications in Proceedings

- I. **Mikrodalga Destekli Hidrotermal Sentez Yöntemi Elde Edilen Çinko-Kalay Nanoçiçekler Kullanılarak Kesikli Tip Adsorpsiyon Esaslı Giderim Prosedürü ile Sentetik Atık Sudan Kadmiyum Elementinin**

Uzaklaştırılması

TOPRAK M., YILDIZ B., ZAMAN B. T., DALGIÇ BOZYİĞİT G., DURUKAN TEMUGE İ., ÇETİN G., BAKIRDERE S.
8. Ulusal Çevre Kongresi, Turkey, 15 December 2023

- II. **VO2@ppy Nanomalzemelerin Mikrodalga Esaslı Hidrotermal Yöntem İle Sentezi Ve Kadmiyum Elementinin Atıksu Matriksinden Gideriminde Kullanılması**
METİN B., ATAKOL A., DALGIÇ BOZYİĞİT G., TURAK F., BAKIRDERE S.
8. Ulusal Çevre Kongresi, Turkey, 15 December 2023
- III. **CoSn(OH)₆ Nanocube Based Dispersive Solid Phase Extraction for the Sensitive Determination of Lead Ions in Environmental Samples by Flame Atomic Absorption Spectrometry**
Şaylan M., Fırat Ayyıldız M., Zaman B. T., POLAT Ü., Gürsoy S., ÇETİN G., BAKIRDERE S.
4th International Environmental Chemistry (EnviroChem) Congress, Antalya, Turkey, 30 October - 02 November 2022
- IV. **Cyanide Detection with UV-Vis Spectrophotometer Based on the Colorimetric Detection by Using Silver Nanoparticles**
Girgin A., Akbıyık H., Zaman B. T., ÇETİN G., BAKIRDERE S.
4th International Environmental Chemistry (EnviroChem) Congress, Antalya, Turkey, 30 October - 02 November 2022
- V. **Determination of Copper at Trace Levels by Employing DES/Dithizone Based Dual Detection Methods**
Kılınç Y., Zaman B. T., BAKIRDERE S., ÖZDOĞAN N.
4th International Environmental Chemistry Congress (4th Envirochem 2022), Antalya, Turkey, 30 October 2022
- VI. **Sensitive and Accurate Determination of Oil Soluble and Water Soluble Organosulphur Compounds in Garlic Matrix Using Reversed Phase-High Performance Liquid Chromatography**
POLAT Ü., Zaman B. T., BAKIRDERE S., KARAKUŞ E.
4th International Environmental Chemistry Congress (4th Envirochem 2022), Antalya, Turkey, 30 October 2022
- VII. **Comprehensive and Accurate Method for The Treatment of Hormones in Wastewater Samples with the UV-assisted Fenton Digestion**
Dikmen Y., Oflu S., ŞAYLAN M., FIRAT AYYILDIZ M., BAKIRDERE S.
4th International Environmental Chemistry Congress (4th Envirochem 2022), Antalya, Turkey, 30 October 2022
- VIII. **Preconcentration of Endocrine Disruptor Phenolic Compounds using Switchable Solvent based Microextraction for the Determination by GC-MS and Assessment of Green Profile**
Chormey D. S., FIRAT AYYILDIZ M., BAKIRDERE S.
4th International Environmental Chemistry Congress (4th Envirochem 2022), Antalya, Turkey, 30 October 2022
- IX. **Determination of Chlorfenson in Green Tea Samples using Solid Phase Microextraction Strategy by High Performance-Liquid Chromatography-Ultraviolet Detection**
Aydın N., Tekin Z., BAKARAKI TURAN N., BAKIRDERE S.
4th International Environmental Chemistry Congress (4th Envirochem 2022), Antalya, Turkey, 30 October 2022
- X. **Manganese Ferrite Magnetic Nanoparticles Based Dispersive Solid Phase Extraction Before Flame Atomic Absorption Spectrometry for The Determination of Trace Level Cadmium in Lake Water**
Karaman D. N., Serbest H., Kılınç Y., Demirel R., BAKIRDERE S.
4th International Environmental Chemistry Congress (4th Envirochem 2022), Antalya, Turkey, 30 October 2022
- XI. **Determination of Cadmium in Lake Samples Using an Effervescence Tablet Assisted Dispersive Solid Phase Extraction**
Borahan T., KARLIDAĞ N. E., Zaman B. T., BAKIRDERE S.
4th International Environmental Chemistry Congress (4th Envirochem 2022), Antalya, Turkey, 30 October 2022
- XII. **NİKEL HİDROKSİT NANOÇİÇEK ESASLI DAĞITICI KATI FAZ EKSTRAKSİYON YÖNTEMİ İLE BAKIR İYONLARININ MUSLUK SUYU ÖRNEKLERİNDE ESER SEVİYELERDE TAYİNİ**
Şaylan M., Demirel R., Fırat Ayyıldız M., Chormey D. S., ÇETİN G., BAKIRDERE S.
10. Ulusal Analitik Kimya Kongresi, Muğla, Turkey, 7 - 11 September 2022
- XIII. **Development of a rapid and efficient dispersive solid phase extraction for the determination of lead at trace levels: Manganese oxide nanoflower based dispersive solid phase extraction prior to flame**

atomic absorption spectrometry measurement

Öner M., Demir C., BAKIRDERE S., ÇETİN G.

4th International Congress on Analytical and Bioanalytical Chemistry, Turkey, 23 - 26 March 2022, pp.53

- XIV. **Development of a novel and effective solid phase extraction method based on reduced graphene oxide-zinc oxide nanoflowers for the sensitive determination of cadmium by flame atomic absorption spectrophotometry**
Demir C., Öner M., ÇETİN G., BAKIRDERE S.
4th International Congress on Analytical and Bioanalytical Chemistry, Turkey, 23 - 26 March 2022, pp.51
- XV. **A novel cadmium sulfide nanoparticles based dispersive solid phase extraction for accurate determination of copper ions in artichoke leaves extract by flame atomic absorption spectrophotometry**
Şaylan M., Metin B., Akbıyık H., Turak F., ÇETİN G., BAKIRDERE S.
4th International Congress on Analytical and Bioanalytical Chemistry, Turkey, 23 - 26 March 2022, pp.52
- XVI. **A New Analytical Method for Trace Nickel Determination: Spray Assisted Droplet Formation based Dispersive Liquid Phase Microextraction Combined with Slotted Quartz Tube - Flame Atomic Absorption Spectrophotometry**
Erulaş F. A., Şaylan M., Topal S., Zaman B. T., Bakırdere E. G., Bakırdere S.
2nd International Congress on Analytical and Bioanalytical Chemistry (2nd ICABC 2020), Antalya, Turkey, 11 - 14 March 2020, pp.170
- XVII. **A Simple, Accurate and Sensitive Analytical Strategy for Propoxur Determination in Raisin Samples using Gas Chromatography - Mass Spectrometry with Matrix Matching Method after Vortex Assisted Dispersive Liquid - Liquid Microextraction and Assessment of Green Profile**
Borahan T., Tekin Z., Zaman B. T., Chormey D. S., Bakırdere S.
2nd International Congress on Analytical and Bioanalytical Chemistry (2nd ICABC 2020), Antalya, Turkey, 11 - 14 March 2020, pp.105
- XVIII. **Trace Cobalt Determination in Chamomile Tea Samples by an Effective and Novel Analytical Method by Using Simultaneous Dispersive Liquid Phase Microextraction-Slotted Quartz Tube -Flame Atomic Absorption Spectrophotometry**
Bakırdere E. G., Akarçay N. A., Zaman B. T., Bakırdere S.
2nd International Congress on Analytical and Bioanalytical Chemistry (2nd ICABC 2020), Antalya, Turkey, 11 - 14 March 2020, pp.89
- XIX. **Determination of Oxcarbazepine in Urine and Blood Samples by Gas Chromatography - Mass Spectrometry after Switchable Solvent Liquid Phase Microextraction Method**
Erarpat S., Bodur S., Ayyıldız M. F., Günkara Ö. T., Erulaş F. A., Chormey D. S., Turak F., Budak T., Bakırdere S.
2nd International Congress on Analytical and Bioanalytical Chemistry (2nd ICABC 2020), Antalya, Turkey, 11 - 14 March 2020, pp.174
- XX. **Detection Power Improvement Strategies in Flame Atomic Absorption Spectrophotometry**
Bakırdere S.
2nd International Congress on Analytical and Bioanalytical Chemistry (2nd ICABC 2020), Antalya, Turkey, 11 - 14 March 2020, pp.39
- XXI. **Cloud Point Extraction Method by using Novel Schiff Base Ligand for Cobalt Determination in Fennel Tea Samples Prior to Slotted Quartz Tube Flame Atomic Absorption Spectrophotometry System**
Özcan R., Bakırdere E. G., Kasa N. A., Bakırdere S.
2nd International Congress on Analytical and Bioanalytical Chemistry (2nd ICABC 2020), Antalya, Turkey, 11 - 14 March 2020, pp.139
- XXII. **Cd+2 Determination by Anodic Stripping Voltammetry Using Hg - Bi Bimetallic Film Electrodes**
Yaman B., Dilgin Y., Bakırdere S.
2nd International Congress on Analytical and Bioanalytical Chemistry (2nd ICABC 2020), Antalya, Turkey, 11 - 14 March 2020, pp.186
- XXIII. **Trace Determination of Cadmium using Ultrasound Assisted Deep Eutectic Solvent Microextraction - Slotted Quartz Tube - Flame Atomic Absorption Spectrometry**

Unutkan T., Tışlı B., Tekin Z., Çetin G., Bakırdere S.

2nd International Congress on Analytical and Bioanalytical Chemistry (2nd ICABC 2020), Antalya, Turkey, 11 - 14 March 2020, pp.92

- XXIV. **Feasibility Studies on the Migration and Bioaccessibility of Environmental Pollutants in Plants, and Simulation under Intestinal and Gastric Conditions**
Chormey D. S., Fırat Ayyıldız M., Bakırdere S.
2nd International Congress on Analytical and Bioanalytical Chemistry (2nd ICABC 2020), Antalya, Turkey, 11 - 14 March 2020, pp.96
- XXV. **Determination of Palladium by Pressurized Liquid Phase Microextraction Using a Simple Two Syringe System - Flame Atomic Absorption Spectrophotometry**
Cesur B., Tezgit E., Unutkan T., Bakırdere E. G., Bakırdere S.
2nd International Congress on Analytical and Bioanalytical Chemistry (2nd ICABC 2020), Antalya, Turkey, 11 - 14 March 2020, pp.134
- XXVI. **Measurements of Iron in a Candidate Seawater CRM by Triple Quadrupole ICPMS/MS with Isotope Dilution Calibration Strategies**
Arı B., Can S., Bakırdere S.
2nd International Congress on Analytical and Bioanalytical Chemistry (2nd ICABC 2020), Antalya, Turkey, 11 - 14 March 2020, pp.88
- XXVII. **A Sensitive and Accurate Analytical Strategy: 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**
Karlıdağ N. E., Koçoğlu E. S., Toprak M., Yılmaz Ö., Bakırdere S.
2nd International Congress on Analytical and Bioanalytical Chemistry (2nd ICABC 2020), Antalya, Turkey, 11 - 14 March 2020, pp.137
- XXVIII. **Determination of Indium using Sieve Conducted Two Syringe based Pressurized Liquid Phase Microextraction - Slotted Quartz Tube - Flame Atomic Absorption Spectrometry System**
Unutkan T., Borahan T., Girgin A., Bakırdere S.
2nd International Congress on Analytical and Bioanalytical Chemistry (2nd ICABC 2020), Antalya, Turkey, 11 - 14 March 2020, pp.132
- XXIX. **A Novel Analytical Strategy for the Determination of Cadmium in Milk Powder, Linden and Mint Samples: Molybdenum Coated T - Shaped Slotted Quartz Tube - Flame Atomic Absorption Spectrophotometry (Mo - T - SQT - AT - FAAS)**
Kasa N. A., Büyükpınar Ç., Erulaş F. A., Bakırdere S.
2nd International Congress on Analytical and Bioanalytical Chemistry (2nd ICABC 2020), Antalya, Turkey, 11 - 14 March 2020, pp.94
- XXX. **A Sensitive and Effective Analytical Method for Determination of Iron in Hair Samples by Slotted Quartz Tube - Flame Atomic Absorption Spectrometry after Preconcentration with Switchable Solvent Based Liquid Phase Microextraction Method**
Atsever N., Borahan T., Bakırdere E. G., Bakırdere S.
2nd International Congress on Analytical and Bioanalytical Chemistry (2nd ICABC 2020), Antalya, Turkey, 11 - 14 March 2020, pp.138
- XXXI. **Zirconium Nanoparticles based Solid Phase Extraction Prior to Slotted Quartz Tube - Flame Atomic Absorption Spectrophotometry for the Determination of Cadmium in Wastewater Samples and Evaluation of Green Profile**
Tekin Z., Özdoğan N., Bakırdere S.
2nd International Congress on Analytical and Bioanalytical Chemistry (2nd ICABC 2020), Antalya, Turkey, 11 - 14 March 2020, pp.93
- XXXII. **Switchable Solvent Based Liquid Phase Microextraction: An Alternative Method for the Determination of Manganese in Water and Soil Samples**
Zaman B. T., Bakaraki Turan N., Bakırdere E. G., Topal S., Sağsöz O., Bakırdere S.
2nd International Congress on Analytical and Bioanalytical Chemistry (2nd ICABC 2020), Antalya, Turkey, 11 - 14

March 2020, pp.140

- XXXIII. **Trace Determination of Organochlorine Pesticides and Hormones by the Combination of QuEChERS and Ultrasonic - Assisted Switchable Solvent Liquid Phase Microextraction with GC - MS**
Yılmaz Durak B., Chormey D. S., Fırat Ayyıldız M., Bakırdere S.
2nd International Congress on Analytical and Bioanalytical Chemistry (2nd ICABC 2020), Antalya, Turkey, 11 - 14 March 2020, pp.135
- XXXIV. **Determination of Selected Endocrine Disrupting Compounds in Baby Food and Different Water Samples by GC - FID after Reduced Graphene Oxide Magnetic Nanoparticles Based Vortex - Assisted Micro Solid Phase Extraction**
Fırat Ayyıldız M., Fındıkoğlu M. S., Chormey D. S., Bakırdere S.
2nd International Congress on Analytical and Bioanalytical Chemistry (2nd ICABC 2020), Antalya, Turkey, 11 - 14 March 2020, pp.136
- XXXV. **Determination of Trace Nickel by Switchable Solvent Based Liquid Phase Microextraction Flame Atomic Absorption Spectrometer System after Complexation with a proper Schiff Base**
Kartoğlu B., Yiğit A., Tezgit E., Zaman B. T., Bakırdere E. G., Bakırdere S.
2nd International Congress on Analytical and Bioanalytical Chemistry (2nd ICABC 2020), Antalya, Turkey, 11 - 14 March 2020, pp.133
- XXXVI. **Trace cobalt determination in lake water samples by ultraviolet based photochemical vapor generation - T - shaped slotted quartz tube atom trap - flame atomic absorption spectrophotometry**
Yazıcı E., Büyükpınar Ç., San N., Komesli O. T., Bakırdere S.
2nd International Congress on Analytical and Bioanalytical Chemistry (2nd ICABC 2020), Antalya, Turkey, 11 - 14 March 2020, vol.91, pp.91
- XXXVII. **An Accurate and Precise Determination Method for Propineb in Black Tea and Infant Formula Samples by GC - MS after Applying a New Derivatization Technique and Dispersive Liquid - Liquid Microextraction Method**
Bodur S., Erarpat S., Günkara Ö. T., Chormey D. S., Bakırdere S.
2nd International Congress on Analytical and Bioanalytical Chemistry (2nd ICABC 2020), Antalya, Turkey, 11 - 14 March 2020, pp.104
- XXXVIII. **Determination of Cobalt by Pressurized Liquid Phase Microextraction using an Automated Simple Two Syringe System Combined with Slotted Quartz Tube Flame Atomic Absorption Spectrometry**
Unutkan T., Zaman B. T., Bakırdere E. G., Bakırdere S.
2nd International Congress on Analytical and Bioanalytical Chemistry (2nd ICABC 2020), Antalya, Turkey, 11 - 14 March 2020, pp.90
- XXXIX. **Simultaneous Determination of Dioxacarb, Trifluralin, Tefluthrin And Flumetralin in Tap Water and Wastewater Samples by Gas Chromatography Mass Spectrometry after Vortex Assisted Switchable Solvent Based Liquid Phase Microextraction**
Dalgıç Bozyiğit G., Fırat Ayyıldız M., Chormey D. S., Engin G., Bakırdere S.
2nd International Congress on Analytical and Bioanalytical Chemistry (2nd ICABC 2020), Antalya, Turkey, 11 - 14 March 2020, pp.103
- XL. **Toxic And Endocrine Disrupter Chemicals In Foods And Food Chain**
Bakırdere S.
1st International Conference on Preventive Medicine, Antalya, Turkey, 12 - 14 November 2019
- XLI. **Optimization of a Highly Selective Dispersive Solid Phase Extraction Method Using Oleic Acid Functionalized Magnetic Nanoparticles for the Determination of Fenazaquin at Trace Levels in Almond Samples by Gas Chromatography Mass Spectrometry**
Bakaraki Turan N., Zaman B. T., Bakırdere S.
2nd International Environmental Chemistry Congress (EnviroChem), Antalya, Turkey, 31 October - 03 November 2019
- XLII. **Ultraviolet Based Photochemical Vapor Generation T-Shaped Slotted Quartz Tube-Atom Trap-Flame Atomic Absorption Spectrophotometry for the Accurate and Sensitive Determination of Antimony**
Yazıcı E., Büyükpınar Ç., San N., Komesli O. T., Bakırdere S.

2nd International Environmental Chemistry Congress (EnviroChem), Antalya, Turkey, 31 October - 03 November 2019

- XLIII. **Enhancing the accuracy and precision in quantifying the pesticides present in complex environmental and food samples by GC-MS using matrix matching calibration and isotopically labeled internal standard**
Dalgıç Bozyiğit G., Fırat Ayyıldız M., Chormey D. S., Engin G., Bakırdere S.
11th Eastern European Young Water Professionals Conference, Praha, Czech Republic, 1 - 05 October 2019, pp.294-301
- XLIV. **The Device Design for Thin-Film Coating That Combines Different Techniques for High Efficiency**
Özşahin Toker M., TOKER O., KILIÇ M., BAKIRDERE S., İÇELLİ O.
Balkan 1. Uluslararası Uygulamalı Bilimler Kongresi, Edirne, Turkey, 5 - 07 April 2019
- XLV. **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, Turkey, 27 March 2019, pp.225
- XLVI. **Sensitive and Accurate Determination of Butyltin Compounds in Fish and Mussel Samples by Vortex Assisted Dispersive Liquid-Liquid Microextraction-Gas Chromatography Mass Spectrometry**
Erarpat S., Bodur S., Öz E., Bakırdere S.
1st INTERNATIONAL CONGRESS on ANALYTICAL and BIOANALYTICAL CHEMISTRY, Antalya, Turkey, 27 - 30 March 2019, pp.159
- XLVII. **An Accurate and Sensitive Reverse Phase High Performance Liquid Chromatography Method for the Determination of Arbutin in Blueberry Samples**
Yılmaz Durak B., Sel S., BAKIRDERE S.
1st INTERNATIONAL CONGRESS on ANALYTICAL and BIOANALYTICAL CHEMISTRY, Antalya, Turkey, 27 March 2019, pp.223
- XLVIII. **Accurate and Sensitive Speciation of Chromium in Tap and Lake Water Samples by using HPLC-ICP-MS**
Sel S., Bakırdere S.
1st INTERNATIONAL CONGRESS on ANALYTICAL and BIOANALYTICAL CHEMISTRY, Antalya, Turkey, 27 March 2019, pp.225
- XLIX. **Determination of Lead at Trace Levels in Red Pepper Sample by Atomic Absorption Spectrophotometry Combined with Slotted Quartz Tube After Stearic Acid Coated Magnetic Nanoparticle Based Dispersive Solid Phase Microextraction**
Zaman B. T., Erulaş F. A., BAKIRDERE S.
1st INTERNATIONAL CONGRESS on ANALYTICAL and BIOANALYTICAL CHEMISTRY, Antalya, Turkey, 27 March 2019, pp.224
- L. **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, Turkey, 27 March 2019, pp.161
- LI. **Simultaneous Determination of Selected Drug Active Compounds in Wastewater Matrix by Binary Solvent Dispersive Liquid-Liquid Microextraction-LC-QTOF-MS/MS System**
Koçoğlu E. S., Sözüdoğru O., Komesli O. T., Yılmaz A. E., Öztürk Er E., Bakırdere S.
1st INTERNATIONAL CONGRESS on ANALYTICAL and BIOANALYTICAL CHEMISTRY, Antalya, Turkey, 27 March 2019, pp.223
- LII. **Solid Phase Microextraction Strategies in the Determination of Organic/Inorganic Analytes**
BAKIRDERE S.
1st INTERNATIONAL CONGRESS on ANALYTICAL and BIOANALYTICAL CHEMISTRY, Antalya, Turkey, 27 March

2019, pp.33

- LIII. **A Simple and Green Switchable Solvent Based Microextraction Method by Using Novel Schiff Base Ligand for Iron Determination in Mineral Spring Waters Prior to Slotted Quartz Tube-Atomic Absorption Spectrophotometry**
Kasa N. A., BAKIRDERE E. G., BAKIRDERE S.
1st INTERNATIONAL CONGRESS on ANALYTICAL and BIOANALYTICAL CHEMISTRY, Antalya, Turkey, 27 March 2019, pp.159
- LIV. **Simultaneous Determination of Four Endocrine Disrupting Compounds with Gas Chromatography-Flame Ionization Detector after Binary Solvent Liquid-Liquid Microextraction in Well and Hospital Wastewater Samples**
Yaman B., Dilgin Y., Zaman B. T., Chormey D. S., BAKIRDERE S.
1st INTERNATIONAL CONGRESS on ANALYTICAL and BIOANALYTICAL CHEMISTRY, Antalya, Turkey, 27 March 2019, pp.226
- LV. **Atıksularda Mikrokirleticilerin Giderimi İçin Kullanılan Arıtma Teknolojileri**
SÖZÜDOĞRU O., KOMESLİ O. T., YILMAZ A. E., BAKIRDERE S.
1st International Potable Water Wastewater Symposium, 6 - 07 December 2018
- LVI. **Strategies to Obtain High Accuracy and Sensitivity in Chromatographic Systems**
Bakirdere S.
Uluslararası katılımlı 18. Ulusal Kromatografi Kongresi, İstanbul, Turkey, 15 - 18 November 2018
- LVII. **Determination of trace amounts of gold in gold recovery bath using dispersive liquid-liquid microextraction-slotted quartz tube-flame atomic absorption spectrometry**
Terzioğlu D., Fırat M., Chormey D. S., BAKIRDERE S.
11th Aegean Analytical Chemistry Days (AACD2018), Girit, Greece, 25 September 2018
- LVIII. **A novel extraction method for trace determination of nickel in water samples by slotted quartz tube-flame atomic absorption spectrometry after dispersive assisted simultaneous complexation and extraction strategy**
Özzeybek G., Alacakoç B., Kocabaş M. Y., BAKIRDERE E. G., Chormey D. S., BAKIRDERE S.
11th Aegean Analytical Chemistry Days (AACD2018), Girit, Greece, 25 September 2018
- LIX. **Determination of Selected PDE-5 Inhibitors in Human Urine by LC-QTOFMS/MS after Citric Acid Coated Magnetic Nanoparticle Assisted Phase Microextraction**
ÖZTÜRK ER E., AKKAYA E., ÖZBEK B., BAKIRDERE S.
11th Aegean Analytical Chemistry Days (AACD 2018), Crete, Greece, 25 September 2018, pp.48
- LX. **Development of a Sensitive and Accurate Dispersive Liquid – Liquid Microextraction Method for the Determination of Hydroxymethylfurfural in Honey Samples by HPLC after the Optimization by BoxBehnken Design**
YILMAZ Ö., KOÇOĞLU E. S., BAKIRDERE S.
11th Aegean Analytical Chemistry Days (AACD2018), Girit, Greece, 25 September 2018
- LXI. **Accurate and sensitive simultaneous determination of drug active compound, pesticides, hormones and endocrine disruptor compounds in wastewater samples using GC-MS after dispersive liquid-liquid microextraction**
Koçoğlu E. S., Sözüdoğru O., Komesli O. T., Yılmaz A. E., Bakirdere S.
11th Aegean Analytical Chemistry Days (AACD2018), Hania, Greece, 25 September 2018
- LXII. **Determination of cadmium in tap, sea and waste water samples by vortex assisted dispersive liquid-liquid solidified floating organic drop microextraction and slotted quartz tube FAAS after complexation with an imidazole based ligand**
Fındıkoğlu M. S., Fırat M., Chormey D. S., TURAK F., Şahin Ç., BAKIRDERE S.
11th Aegean Analytical Chemistry Days (AACD2018), Girit, Greece, 25 September 2018
- LXIII. **Analytical strategies to obtain lower detection limits**
BAKIRDERE S.
11th Aegean Analytical Chemistry Days, Girit, Greece, 25 - 29 September 2018
- 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, Greece, 25 September 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., Bakırdere S.
11th Aegean Analytical Chemistry Days (AACD2018), Hania, Greece, 25 - 29 September 2018, pp.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, Greece, 25 September 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.
11th Aegean Analytical Chemistry Days (AACD2018), Girit, Greece, 25 September 2018
- 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, Greece, 25 September 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, Greece, 25 September 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., Kapukran F., Chormey D. S., BAKIRDERE S.
11th Aegean Analytical Chemistry Days (AACD2018), Girit, Greece, 25 September 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, Greece, 25 September 2018
- LXXII. **Analytical strategies to obtain lower detection limits, 11th Aegean Analytical Chemistry Days**
Bakırdere S.
11th Aegean Analytical Chemistry Days (AACD2018), Hania, Greece, 25 - 29 September 2018
- 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, Greece, 25 - 29 September 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, Czech Republic, 25 August 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**
YILMAZ P., ÖZTÜRK ER E., BAKIRDERE S., Ülgen K., ÖZBEK B.
23rd International Congress of Chemical and Process Engineering (CHISA 2018), Prag, Czech Republic, 25 August 2018, pp.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, Turkey, 20 June 2018
- LXXVII. **Kurşun elementinin manyetik nanopartikül yardımcı önderiştirilme sonrası SQT-FAAS cihazıyla eser seviyelerde tayini**
Erulaş A. F., Akkaya E., BÜYÜKPINAR Ç., BAKIRDERE S.
International Trace Analysis Congress (ITAC2018), Sivas, Turkey, 20 June 2018
- 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 June 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, Turkey, 09 May 2018, pp.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, Turkey, 09 May 2018, pp.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, Turkey, 09 May 2018, pp.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, Thailand, 07 May 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, Turkey, 09 May 2018, pp.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, Turkey, 09 May 2018, pp.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, Turkey, 09 May 2018, pp.41
- LXXXVI. **A New Analytical Strategy for the Determination of Indium**
Çelik B., Akkaya E., Bakirdere S., Aydın F.
8th Black Sea Basin Conference on Analytical Chemistry (8th BBCAC), İstanbul, Turkey, 9 - 11 May 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**
Şahin İ., Büyükpınar Ç., San N., Bakirdere S.
8th Black Sea Basin Conference on Analytical Chemistry (8th BBCAC), İstanbul, Turkey, 9 - 11 May 2018
- LXXXVIII. **Study of electron density via some elements in breast cancer patients' blood samples**
Toker O., Topdağı Ö., Bakirdere S., Bursahioğlu E. O., Öz E., Eyecioğlu Ö., Karabul Y., Çağlar M., İçelli O.
International Advanced Researches and Engineering Congress, Osmaniye, Turkey, 16 - 18 November 2017, pp.2714

- LXXXIX. **Investigation of the variations in Se, Cr, Mn, Zn, Co, Na, K concentrations in blood samples of breast cancer patients**
 Toker O., Topdağı Ö., Bakırdere S., Bursahoğlu E. O., Öz E., Eyecioğlu Ö., Karabul Y., Çağlar M., İçelli O.
 International Advanced Researches and Engineering Congress, Osmaniye, Turkey, 16 - 18 November 2017, pp.2713
- 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, Russia, 02 October 2017, pp.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, Russia, 02 October 2017, pp.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, Russia, 02 October 2017, pp.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, Russia, 02 October 2017, pp.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, Russia, 02 October 2017, pp.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.
 7th International IUPAC Conference on Green Chemistry, Moscow, Russia, 2 - 05 October 2017
- 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, Russia, 02 October 2017, pp.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, Russia, 02 October 2017, pp.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, Russia, 02 October 2017, pp.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.
 7th International IUPAC Conference on Green Chemistry, 2 - 05 October 2017
- C. **Dispersive Liquid-Liquid Microextraction-Slotted Quartz Tube-Flame Atomic Absorption Spectrometry for the Sensitive Determination of Lead in Mussel and Sea Water Samples**
 Özzeybek G., ERARPAT S., Chormey D. S., BAKIRDERE S.
 7th International IUPAC Conference on Green Chemistry, Moskova, Russia, 02 October 2017, pp.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, Greece, 21 - 24 June 2017

- CII. **Antimonun Yarıkli Kuartz Tüp-Alevli Atomik Absorpsiyon Sistemi ile Düşük Seviyelerde Tayini**
KOYUNCU İ., BAKIRDERE S., BÜYÜKPINAR Ç.
8. Öğrenci Kongresi, 16 - 18 May 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**
ERARPAT S., Özzeybek G., Chormey D. S., Erulaş F., TURAK F., BAKIRDERE S.
10th Aegean Analytical Chemistry Days, Çanakkale, Turkey, 29 September 2016, pp.238
- CIV. **Volatile Compound Generation Strategies in Analytical Chemistry**
Bakırdere S.
10th Aegean Analytical Chemistry Days, Çanakkale, Turkey, 29 September 2016, pp.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, Turkey, 29 September 2016, pp.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, Turkey, 29 September 2016, pp.35
- CVII. **Determination of Trace Amount of Cadmium using Dispersive Liquid Liquid Microextraction-Slotted Quartz Tube-Flame Atomic Absorption Spectrometry**
Fırat M., Fındıkođlu M. S., Kafa B., Yazıcı E., Yolcu M., Büyükpınar Ç., Chormey D. S., Sel S., Turak F., Bakırdere S.
10th Aegean Analytical Chemistry Days, Çanakkale, Turkey, 29 September - 02 October 2016, pp.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, Turkey, 29 September - 02 October 2016, pp.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, Turkey, 29 September - 02 October 2016, pp.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., Koçođlu E. S., Bakırdere S., Keyf S.
10th Aegean Analytical Chemistry Days, Çanakkale, Turkey, 29 September - 02 October 2016, pp.21
- CXI. **SERTRALİNİN GC-MS SİSTEMİNDE DÜŞÜK SEVİYELERDE TAYİNİNE YÖNELİK ANALİTİK YÖNTEM GELİŞTİRİLMESİ VE YAPAY MİDE ORTAMINDAKİ KARARLILIĞININ TESPİT EDİLMESİ**
Koçođlu E. S., Bakırdere S., Keyf S.
EsAn-2016, IV. ESER ANALİZ KONGRESİ, Sakarya, Turkey, 19 - 22 May 2016, pp.65
- CXII. **Çevre Örneklerinde Cr(III) Ve Cr(VI) Türlerinin IC-ICP-MS Sisteminde Eser Seviyelerde Eşzamanli Tayinleri**
Sel S., Erulaş F., Turak F., Göksu R., Bakırdere S.
Es-An 2016, IV. Eser Analiz Kongresi, Sakarya, Turkey, 19 - 22 May 2016
- CXIII. **Determination of Radiation Shielding and Dielectric Properties on Sodium Silicate/Tungsten Glass Structure**
Kılıç M., Karabul Y., Alkan Ü., Okutan M., Bakırdere S., İçelli O.
2nd International Conference on Organic Electronic Material Technologies (OEMT-2016), Çanakkale, Turkey, 17 May 2016, pp.102

- CXIV. **Magnetic Field Effect on Electrical Properties of Conducting PANI/Cu Composites**
Karabul Y., Kılıç M., Okutan M., Bakırdere S., İçelli O.
2nd International Conference on Organic Electronic Material Technologies (OEMT-2016), Çanakkale, Turkey, 17 - 19 May 2016
- CXV. **Quorum Quenching For Biofilm Formation Prevention**
NOUHA B., ENGIN G., SARI ERKAN H., DOTSE SELALİ C., BAKIRDERE S.
EURASIA 2016 Waste Management Symposium, 2 - 04 May 2016
- 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, Turkey, 25 - 27 February 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, Turkey, 25 - 26 February 2016, pp.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, Turkey, 25 - 27 February 2016, pp.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, Turkey, 29 - 31 May 2015
- CXX. **Türk Makam Müziğinde Taş Plakların Rolü, Plakların Fiziksel/Kimyasal Analizleri ve Sonuçların Ses Kalitesiyle İlişkisi**
Seltuğ D., Bakırdere S., Turgay N. Ö., Büyükpınar Ç., Akdeniz İ., Aksakal B.
XIV. Ulusal Spektroskopi Kongresi, Elazığ, Turkey, 29 - 31 May 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, Greece, 21 - 23 May 2015, pp.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, Turkey, 15 - 18 May 2014, pp.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., Maruldalı O., Karaca A.
III. Eser Analiz Çalıştayı, Tokat, Turkey, 15 - 18 May 2014
- CXXIV. **Characterization of limestone figurines from Datça-Emecik bu using rare earth elements**
Muşkara Ü., Bakırdere S., Tuna N., Ataman O. Y.
8th Eagean Analytical Chemistry Days, İzmir, Turkey, 16 - 20 September 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, Turkey, 13 - 15 September 2012, pp.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, Turkey, 3 - 07 September 2012, pp.32
- CXXVII. **Inorganik antimony spekiation 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, Turkey, 18 - 22 May 2011, pp.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, Turkey, 18 - 22 May 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.
XII. Ulusal Spektroskopi Kongresi, Antalya, Turkey, 18 - 22 May 2011
- CXXX. **Yarıklı kuvars tüp-Atomik Absorpsiyon Spektrometri ile bizmut tayini**
Kılınç E., Bakırdere S., Aydın F., Ataman O. Y.
XII. Ulusal Spektroskopi Kongresi, Antalya, Turkey, 18 - 22 May 2011, pp.9
- CXXXI. **Determination of As, Cd and Se in Anatolian spices by inductively coupled plasma mass-spectrometry**
Şenol F., Bakırdere S., Aydın F., Ataman O. Y.
7th Aegean Analytical Chemistry Days, Mitilini, Greece, 29 September - 03 October 2010, pp.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, Greece, 29 September - 03 October 2010, pp.33
- CXXXIII. **Boron determination in human blood by ICP-MS**
Bora S., Bakırdere S., Ataman O. Y.
7th Aegean Analytical Chemistry Days, Mitilini, Greece, 29 September - 03 October 2010, pp.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, Turkey, 21 - 25 June 2010, pp.50
- CXXXV. **Hava filtresi örneklerinde ICP-OES ile bor tayini**
Yıldırım E., Bora S., Arslan Y., Bakırdere S., Ataman O. Y.
5. Ulusal Analitik Kimya Kongresi, Erzurum, Turkey, 21 - 25 June 2010, pp.118
- CXXXVI. **Semen örneklerinde ICP-MS ile bor tayini**
Aydın M., Özdemir E., Özcan Ş., Bora S., Arslan Y., Bakırdere S., Ataman O. Y.
5. Ulusal Analitik Kimya Kongresi, Erzurum, Turkey, 21 - 25 June 2010, pp.215
- CXXXVII. **Development of a sensitive analytical method for thallium determination using slotted tube atom trap and atomic absorption spectrometry**
Yıldıran A., Bakırdere S., Ataman O. Y.
5th Black Sea Basin Conference on Analytical Chemistry, Ordu, Turkey, 23 - 26 September 2009, pp.50
- CXXXVIII. **Interference studies for lead determination by Ta coated slotted tube-atom trap-flame atomic absorption spectrometry**
Demirtaş İ., Bora S., Bakırdere S., Ataman O. Y.
5th Black Sea Basin Conference on Analytical Chemistry, Ordu, Turkey, 23 - 26 September 2009, pp.52
- CXXXIX. **Determination of lead by in-situ graphite cuvette trapping hydride generation atomic absorption spectrometry**
Yıldırım E., Akay P., Bakırdere S., Ataman O. Y.
5th Black Sea Basin Conference on Analytical Chemistry, Ordu, Turkey, 23 - 26 September 2009, pp.51
- CXL. **Determination of bismuth using hydride generation-W-Trap-ICPMS**
Bakırdere S., Yıldıran A., Alp T. N., Ataman O. Y.
5th Black Sea Basin Conference on Analytical Chemistry, Ordu, Turkey, 23 - 26 September 2009, pp.34
- CXLI. **HPLC-ICPMS ile selenyum türleme çalışmaları**
Bakırdere S., Volkan M., Ataman O. Y.
XI. Ulusal Spektroskopi Kongresi, Ankara, Turkey, 23 - 26 June 2009, pp.33
- CXLII. **Kolay iyonlaşan elementlerin ICPMS ile arsenik tayininde girişim etkileri**
Özcan Ş., Şenol F., Bakırdere S., Ataman O. Y.
XI. Ulusal Spektroskopi Kongresi, Ankara, Turkey, 23 - 26 June 2009, pp.75

- CXLIII. Bor elementinin erkeklerde prostat büyüklüğü ve alt üriner sistem septomlarına etkisi**
Müezzinoğlu T., Korkmaz M., Çelen İ., Ataman O. Y., Bora S., Bakırdere S., Lekili M., Keskin S.
XI. Ulusal Spektroskopi Kongresi, Ankara, Turkey, 23 - 26 June 2009, pp.80
- CXLIV. İdrar örneklerinde ICP-OES ile bor tayini**
Ataman S., Karaman G., Bora S., Akay P., Arslan Y., Bakırdere S., Korkmaz M., Ataman O. Y.
XI. Ulusal Spektroskopi Kongresi, Ankara, Turkey, 23 - 26 June 2009, pp.81
- CXLV. Gıda örneklerinde ICPMS ile bor tayini**
Karaman G., Atakol A., Bora S., Njie N., Yıldırım E., Bakırdere S., Ataman O. Y.
XI. Ulusal Spektroskopi Kongresi, Ankara, Turkey, 23 - 26 June 2009, pp.77
- CXLVI. Elektrokimyasal hidrür oluşturma ve tungsten atom tuzaklı atomik absorpsiyon spektrometri ile antimon tayini**
Yıldıran A., Arı B., Bakırdere S., Ataman O. Y.
XI. Ulusal Spektroskopi Kongresi, Ankara, Turkey, 23 - 26 June 2009, pp.76
- CXLVII. Tantal kaplanmış yarıklı kuvars tüp atom tuzağı-alevli AAS ile kurşun tayini**
Demirtaş İ., Bakırdere S., Arslan Y., Ataman O. Y.
XI. Ulusal Spektroskopi Kongresi, Ankara, Turkey, 23 - 26 June 2009
- CXLVIII. Development of a sensitive analytical method for antimony determination using a Ta-Coated SQT and FAAS**
Tekbaş Z., Bakırdere S., Alp T. N., Arslan Y., Şenol F., Ataman O. Y.
6th Aegean Analytical Chemistry Days, Denizli, Turkey, 9 - 12 October 2008
- CXLIX. Determination of gold concentration in ng mL⁻¹ levels by hydride generation atomic absorption spectrometry using a novel gas liquid separator and W-Coil Trap**
Gholami M., Arslan Y., Bakırdere S., Ataman O. Y.
6th Aegean Analytical Chemistry Days, Denizli, Turkey, 9 - 12 October 2008
- CL. Sensitive determination of cadmium at ng/mL level using slotted quartz tube atom trapping and metal coating**
Özcan P., Bakırdere S., Ataman O. Y.
6th Aegean Analytical Chemistry Days, Denizli, Turkey, 9 - 12 October 2008
- CLI. Selenium speciation: Analytical chemistry in solution of a universal nutrition issue**
Bakırdere S., Volkan M., Eren M., Ataman O. Y.
XXII. Ulusal Kimya Kongresi, Gazimagusa, Cyprus (Kkct), 6 - 10 October 2008
- CLII. Boron intakes in selected populations in Turkey and the US**
Meacham S., Şaylı U., Korkmaz M., Carper S., Bakırdere S., Ataman O. Y.
The Federation of American Societies for Experimental Biology publishes, FASEB Journal, Stanford University Libraries, California, United States Of America, 10 - 12 July 2008
- CLIII. Yarıklı kuvars tüp-alevli AAS ile talyum tayininde girişim çalışmaları**
Arı B., Bakırdere S., Ataman O. Y.
IV. Ulusal Analitik Kimya Kongresi, Elazığ, Turkey, 25 - 27 June 2008, pp.180
- CLIV. Titanyum kaplanmış yarıklı kuvars tüp atom tuzağı-alevli AAS ile ng/ml düzeyinde kurşun tayini**
Bora S., Bakırdere S., Ataman O. Y.
IV. Ulusal Analitik Kimya Kongresi, Elazığ, Turkey, 25 - 27 June 2008, pp.11
- CLV. Bor maden alanlarındaki içme sularında AE-HO-AAS kullanarak arsenik tayini**
Göçmen Ö., Bakırdere S., Korkmaz M., Altıntaş N., Ataman O. Y.
IV. Ulusal Analitik Kimya Kongresi, Elazığ, Turkey, 25 - 27 June 2008, pp.32
- CLVI. Bildircin yumurtalarında C18-HPLC-ICPMS sistemi ile organik selenyum türlerinin tayini**
Aksu S., Bakırdere S., Volkan M., Ataman O. Y.
IV. Ulusal Analitik Kimya Kongresi, Elazığ, Turkey, 25 - 27 June 2008, pp.39
- CLVII. Bor mineralinin prostat kanserine etkisinin belirlenmesi: Topluma dayalı çalışma**
Korkmaz M., Müezzinoğlu T., Lekili M., Neşe N., Bakırdere S., Arslan Y., Ataman O. Y.
8. Ankara Üroonkoloji Kursu, Ankara, Turkey, 28 November - 02 December 2007, pp.80
- CLVIII. In situ trapping of selenium hydride on gold-coated tungsten coil and atomic absorption**

spectrometry

Kula İ., Arslan Y., Bakırdere S., Ataman O. Y.

Colloquium Spectroscopicum Internationale XXXV, Xiamen, China, 23 - 27 September 2007, pp.41

- CLIX. **Interference studies for bismuth determination by tungsten trap atomic absorption spectrometry**
Kula İ., Arslan Y., Bakırdere S., Titretir S., Ataman O. Y.
Colloquium Spectroscopicum Internationale XXXV, Xiamen, China, 23 - 27 September 2007, pp.50
- CLX. **Determination of antimony by using tungsten trap atomic absorption spectrometry**
Titretir S., Kendüzler E., Arslan Y., Kula İ., Bakırdere S., Ataman O. Y.
Colloquium Spectroscopicum Internationale XXXV, Xiamen, China, 23 - 27 September 2007
- CLXI. **Extraction studies for selenium from egg without uniformation**
Bakırdere S., Volkan M., Ataman O. Y.
Colloquium Spectroscopicum Internationale XXXV, Xiamen, China, 23 - 27 September 2007, pp.400
- CLXII. **Meyve suyu örneklerinde W-Sarmal atom tuzaklı hidrür oluşturmali atomik absorpsiyon spektrometri ile kurşun tayini**
Titretir S., Kendüzler E., Arslan Y., Kula İ., Bakırdere S., Ataman O. Y.
21. Ulusal Kimya Kongresi, Malatya, Turkey, 23 - 27 August 2007
- CLXIII. **Kuvars tuzaklı AAS ile Cd tayini için HCl ortamında girişim çalışmaları**
Aydın F., Bakırdere S., Ataman O. Y.
21. Ulusal Kimya Kongresi, Malatya, Turkey, 23 - 27 August 2007
- CLXIV. **Amoksisilin'in farklı sıcaklıklarda bozunmasının HPLC ile saptanması**
Yıldıran A., Bakırdere S., Ataman O. Y.
21. Ulusal Kimya Kongresi, Malatya, Turkey, 23 - 27 August 2007
- CLXV. **A Sensitive analytical method for thallium determination by trapping in slotted quartz tube and flame atomic absorption spectrometry**
Arı B., Bakırdere S., Yıldıran A., Ataman O. Y.
X. Ulusal Spektroskopik Kongresi, İzmir, Turkey, 4 - 07 July 2007, pp.20
- CLXVI. **Determination of lead in Anatolian spices using W-Trap hydride generation atomic absorption spectrometry**
Eroğlu S., Bakırdere S., Arslan Y., Kula İ., Titretir S., Kendüzler E., Ataman O. Y.
X. Ulusal Spektroskopik Kongresi, İzmir, Turkey, 4 - 07 July 2007, pp.117
- CLXVII. **Estimation of daily borate exposure in an area with large borate deposits in Türkiye**
Korkmaz M., Şaylı B. S., Şaylı U., Bakırdere S., Ataman O. Y., Titretir S., Keskin S.
Proceedings of 3rd International Boron Symposium, Ankara, Turkey, 2 - 04 November 2006, pp.457-461
- CLXVIII. **Selenium speciation in garlic: Extraction studies**
Bakırdere S., Volkan M., Ataman O. Y.
International Symposium on Selenium in Health and Disease, Ankara, Turkey, 12 - 13 October 2006, pp.50
- CLXIX. **Determination of lead, cadmium and copper in roadside soil and plant parts in Elazig**
Yaman M., Bakırdere S.
5th Aegean Analytical Chemistry Days, Thessaloniki, Greece, 5 - 08 October 2006, pp.92
- CLXX. **Interference studies for Pb determination by tungsten trap atomic absorption spectrometry**
Titretir S., Bakırdere S., Arslan Y., Aydın F., Ataman O. Y.
5th Aegean Analytical Chemistry Days, Thessaloniki, Greece, 5 - 08 October 2006, pp.14
- CLXXI. **Tungsten sarmal tuzaklı AAS ile sigara içen insanların saçında kurşun tayini**
Titretir S., Bakırdere S., Arslan Y., Aydın F., Ataman O. Y.
XX. Ulusal Kimya Kongresi, Kayseri, Turkey, 4 - 08 September 2006
- CLXXII. **Öksürük şuruplarında amroksol ve parabenlerin HPLC ile karakterize edilmesi ve farklı ürünlerin karşılaştırılması**
Yıldıran A., Bakırdere S., Ataman O. Y.
III. Ulusal Analitik Kimya Kongresi, Çanakkale, Turkey, 5 - 07 July 2006, pp.106
- CLXXIII. **Talyum tayini için duyarlı analitik yöntem geliştirilmesi**
Arı B., Titretir S., Bakırdere S., Ataman O. Y.

- III. Ulusal Analitik Kimya Kongresi, Çanakkale, Turkey, 5 - 07 July 2006, pp.105
- CLXXIV. **Hidrür oluşturmali AAS ve tungsten sarmal tuzaklı sistemde antimon tayini**
Titretir S., Bakırdere S., Arslan Y., Ataman O. Y.
III. Ulusal Analitik Kimya Kongresi, Çanakkale, Turkey, 5 - 07 July 2006, pp.11
- CLXXV. **Datça-Emecik-Sarıliman mevki Arkaik Kutsal alanından çıkan bazı kireçtaşı heykelciklerin arkeometrik yönden incelenmesi**
Muşkara Ü., Ataman O. Y., Demirci Ş., Bakırdere S.
22. Arkeometri Sonuçları Toplantısı, Çanakkale, Turkey, 29 May - 02 June 2006, pp.43-58
- CLXXVI. **Günlük alınan bor mineralinin serviks kanseri üzerine olası önleyici etkisi**
Korkmaz M., Uzgören E., Bakırdere S., Aydın F., Ataman O. Y.
IX. Ulusal Tıbbi Biyoloji Kongresi, Manisa, Turkey, 24 - 27 November 2005, pp.202
- CLXXVII. **Türkiye'de bor alanlarında yaşayan insanların günlük bor alımının hesaplanması**
Korkmaz M., Şaylı B. S., Şaylı U., Ataman O. Y., Bakırdere S., Aydın F.
IX. Ulusal Tıbbi Biyoloji Kongresi, Manisa, Turkey, 24 - 27 November 2005, pp.175
- CLXXVIII. **Türkiye'de yetişen baharat ve şifalı otlarda atomik spektrometriyle gerekli ve zehirli elementlerin tayini**
Aydın F., Bakırdere S., Muşkara Ü., Ataman O. Y.
XIX. Ulusal Kimya Kongresi, Muğla, Turkey, 30 September - 04 October 2005, pp.68
- CLXXIX. **Karayolları kenarındaki topraklarda ve meyvelerdeki Pb'un AAS ile tayini**
Bakırdere S., Yaman M.
VIII. Ulusal Spektroskopi Kongresi, Bursa, Turkey, 30 October - 01 November 2002, pp.32
- CLXXX. **Şehir merkezinde satılan ve çeşitli kaplarda mayalanan yoğurt örneklerinde Al tayini**
Durak M., Bakırdere S., Yaman M.
VIII. Ulusal Spektroskopi Kongresi, Bursa, Turkey, 30 October - 01 November 2002, pp.37
- CLXXXI. **Interferences studies for Cd detrmiation by quartz trap atomic absorption spectrometry**
Aydın F., Bakırdere S., Ataman O. Y.
3rd Aegean Analytical Chemistry Days, Constanta, Romania, 29 September - 03 October 2002, pp.46
- CLXXXII. **Determination of arsenic in water by ET-AAS**
Akdeniz İ., Gürsu F., Bakan İ., Bakırdere S., Yaman M.
3rd Aegean Analytical Chemistry Days, Mitilini, Greece, 29 September - 03 October 2002
- CLXXXIII. **Ense saç örneklerindeki eser metallerin mikrodalg a fırınında çözünürleştirilerek AAS ile tayini**
Gökalp S., Bakırdere S., Demirelli K., Yaman M.
XVI. Ulusal Kimya Kongresi, Konya, Turkey, 10 - 13 September 2002, pp.180
- CLXXXIV. **Toprakta çinko spesiasyonu (türlemesi) ve onun meyvelerdeki konsantrasyonuyla ilişkisi**
Bakırdere S., Akdeniz İ., Yaman M.
I. Ulusal Analitik Kimya Kongresi, Bursa, Turkey, 3 - 05 July 2002, pp.37
- CLXXXV. **Sıçan akciğ erinin eser metal konsantrasyonu üzerine formaldehit alınmasının etkisi ve SOD ile ilişkisi**
Bakırdere S., Songur A., İlhan N., Sarsılmaz M., Yaman M.
I. Ulusal Analitik Kimya Kongresi, Bursa, Turkey, 3 - 05 July 2002, pp.55
- CLXXXVI. **Kanserli insan dokularındaki eser metall erin tayini**
Atıcı D., Bakırdere S., Yaman M.
I. Ulusal Analitik Kimya Kongresi, Bursa, Turkey, 3 - 05 July 2002, pp.53
- CLXXXVII. **Batman'daki Tüpraş tesisinden çevreye yayılan toksik metal düzeylerinin belirlenmesi**
Yaman M., Keskin G., Bakırdere S.
I. Ulusal Analitik Kimya Kongresi, Bursa, Turkey, 3 - 05 July 2002, pp.52
- CLXXXVIII. **Keban eski simli kurş un galerisinden çevreye yayılan metall erin tayini**
Bölücek C., Bakırdere S., Yaman M.
I. Ulusal Analitik Kimya Kongresi, Bursa, Turkey, 3 - 05 July 2002, pp.56
- CLXXXIX. **Leaching of aluminium from cooking utensils**
Güneş M., Bakırdere S., Yaman M.
2nd Aegean Analytical Chemistry Days, Balıkesir, Turkey, 1 - 04 November 2000

CXC. Speciation of aluminium in soil and relation with its concentration in fruits

Bakırdere S., Yaman M.

1st International IUPAC Symposium, Warszawa, Poland, 9 - 11 October 2000

Supported Projects

Bakırdere S., Erarpat S., Chormey D. S., Dalgıç Bozyıgıt G., TÜBİTAK International Bilateral Joint Cooperation Program Project, Çevresel Örneklerde Bulunan Kurşun, Kadmiyum ve Nikel'in Basit ve Etkili Ekstraksiyon/Önderiştirme Stratejileri ve Farklı Hidrazon Kompleksleştirici Ajanları Kullanarak Yarıklı Kuartz Tüp-Alevli Atomik Absorpsiyon Spektrometrisi ile Doğru ve Duyarlı Tayinleri, 2023 - 2025

Bakırdere S., Günkara Ö. T., Erarpat S., TUBİTAK Project, TUBİTAK 1001 (122Z041) Kapsaisin Mikroeekstraksiyon Yöntemleri ile Birleştirilmiş Dörtlü İzotop Seyreltme Kütle Spektrometrisi ile Eser Seviyelerde Yüksek Doğruluk ve Duyarlılıkta Tayini, 2022 - 2024

ÇETİN G., AKBIYIK H., SERBEST H., BAKIRDERE S., ÖZDOĞAN N., Oflu S., Kılınç Y., Project Supported by Higher Education Institutions, Çevre Örneklerinde Bulunan Kadmiyum Elementinin Yüksek Doğruluk ve Duyarlılıkta Tayinine Yönelik Çevreci Kolorimetrik ve Spektroskopik Analitik Yöntemlerin Geliştirilmesi, 2022 - 2023

GÜNKARA Ö. T., BAKIRDERE S., AYAN G. N., Project Supported by Higher Education Institutions, Fenitoin İlaç Etken Maddesinin Sentezi, Saflaştırılması ve MEBÇS-SFME-GC-MS Analitik Yöntemiyle Eser Seviyelerde Tayini, 2022 - 2023

Bakırdere S., Öz E., Özdoğan N., Öztürk Er E., TUBİTAK Project, 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

GÜNKARA Ö. T., Öner M., TURAK F., BAKIRDERE S., Eroğlu K., ERARPAT S., Zaman B. T., Oflu S., Project Supported by Higher Education Institutions, Fenuron Bileşiğinin İzotopik Türevinin Sentezlenmesi ve Dörtlü İzotop Seyreltme Yöntemi Kullanılarak Atıksu Örneklerinde Yüksek Doğruluk ve Duyarlılıkla Tayini, 2021 - 2022

TURAK F., BAKIRDERE S., Oflu S., Zaman B. T., Yazıcı E., KILINÇ Y., Project Supported by Higher Education Institutions, Eser Seviyelerde Metobromuron Herbisitinin Dağıtıcı Sıvı Sıvı Mikroeekstraksiyon sonrası Gaz Kromatografi Kütle Spektrometrisi ile Yüksek Doğrulukta Tayini, 2021 - 2022

Temel R., Erarpat S., Bodur S., Günkara Ö. T., Bakırdere S., Turak F., Project Supported by Higher Education Institutions, Dörtlü İzotop Seyreltme Yöntemi Kullanılarak Kan ve İdrar Örneklerinde Eser Seviyelerde Bulunan Parasetamolün Yüksek Doğruluk ve Duyarlılıkla Tayini, 2021 - 2022

KEYF S., BAKIRDERE S., SERBEST H., Project Supported by Higher Education Institutions, Gümüşün Yarıklı Kuvars Tüp ve Katı Faz Mikroeekstraksiyon Yöntemleri Kullanılarak Düşük Seviyelerde Tayinleri için Spektroskopik Yöntem Geliştirilmesi ve Geri Kazanım Çalışmaları, 2021 - 2022

Sağır T., Eden A., Bakırdere S., İmik H., Project Supported by Higher Education Institutions, Davul Derilerinin Kimyasal Yapılarının Tını Üzerine Olan Etkisinin İncelenmesi, 2021 - 2021

Bodur S., Erarpat S., Günkara Ö. T., Bakırdere S., Ministry of Health, TUSEB - SARS-CoV-2 (COVID-19) Tedavisinde Kullanılan Klorokin ve Hidroksiklorokin Kimyasallarının Kan, İdrar ve Tükürük Örneklerinde Yüksek Doğruluk ve Duyarlılıkta Hızlı Tayinlerine Yönelik İzotop Seyreltme Esaslı Analitik Yöntem Geliştirilmesi, 2020 - 2021

BAKIRDERE S., ÖZ E., BODUR S., ERARPAT S., DALGIÇ BOZYIĞIT G., ÖZDOĞAN N., Project Supported by Higher Education Institutions, Özgün Sıvı-Sıvı Mikroeekstraksiyon İzotop Seyreltme Kütle Spektroskopisi Yöntemleri Kullanılarak Bisfenol A'nın Farklı Çevre Örneklerinde Yüksek Doğruluk ve Duyarlılıkta Tayini, 2020 - 2020

BUDAK T., CHORMEY D. S., ERULAŞ F. A., BAKIRDERE S., TURAK F., Project Supported by Higher Education Institutions, Yeni Nesil AntiEpileptik İlaç Etken Maddelerinin Farklı Matrikslerde Ön deriştirme Sonrası GCMS Sisteminde Eser Seviyelerde Eşzamanlı Tayinleri, 2019 - 2020

ÖZBEK B., ÖZTÜRK ER E., YILMAZ P., BAKIRDERE S., Project Supported by Higher Education Institutions, Kemik Doku Mühendisliği Uygulamalarında Kullanılacak HidroksiapatitGrafen OksitKitosan Doku İskelesinin Süper Kritik Jel Kurutma Tekniği Kullanılarak Üretimi ve Karakterizasyonu, 2018 - 2020

Bakırdere S., San N., TUBİTAK Project, Ultraviyole Fotokimyasal Uçucu Bileşen Oluşturma-Atom Tuzak-Alevli Atomik Absorpsiyon Spektrofotometri Sistemi ile Pb, Cd, Ni, Co Elementlerinin Eser Seviyelerde Tayinleri, 2017 - 2020

ÇETİN G., BAKIRDERE S., Akkaya E., ÖZTÜRK ER E., Kasa N. A., KOMESLİ O. T., Project Supported by Higher Education

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

Komesli O. T., Bakırdere S., TUBITAK Project, Endokrin Bozucu Maddelerin Membran Biyoreaktöre Entegre Edilmiş İleri Elektrokoksidasyon Sistemleri ile Arıtımının Araştırılması, 2016 - 2018

BAKIRDERE S., TURAK F., CHORMEY D. S., BÜYÜKPINAR Ç., Project Supported by Higher Education Institutions, Bazı endokrin bozucu bileşiklerin ve pestisitlerin ön deriştirme sonrası GC-MS ile düşük seviyelerde eş zamanlı tayinleri, 2016 - 2018

BAKIRDERE S., TUBITAK Project, Membran Biyoreaktörlerde Mikroorganizmaların Sinyal İletimi Mekanizmasının İnhibisyonu, 2016 - 2017

BAKIRDERE S., Project Supported by Higher Education Institutions, ESER ANALİZ VE TÜRLEME ÇALIŞMALARINDA KROMATOĞRAFİK YÖNTEMLER, 2015 - 2017

BAKIRDERE S., Project Supported by Higher Education Institutions, İlaç Aktif Maddelerinin Kararlılık Seviyelerinin HPLC Cihaz İle Tayinleri, 2015 - 2017

Keyf S., Unutkan Gösterişli T., Bakırdere S., Project Supported by Higher Education Institutions, Antibiyotiklerdeki aktif maddelerin Yüksek Basınçlı Sıvı Kromatografi (HPLC) metoduyla tayin edilimesi, 2014 - 2017

Bakırdere S., Komesli O. T., TUBITAK Project, Klasik Atıksu Arıtma Tesislerinde ve Membran Biyoreaktör (MBR) Sistemlerinde Endokrin Bozucu Maddelerin (EBM) Arıtımı ve Toptan EBM Parametresi Geliştirilme Projesi, 2009 - 2012

BAKIRDERE S., Doğal Yolla Alman Bor Mineralinin Erkeklerde Prostat Büyüklüğü, Benign Prostat Hiperplazisi ve Alt Üriner Sistem Semptomlarına Etkisinin Topluma Dayalı Bir Çalışma İle Araştırılması, 2008 - 2009

BAKIRDERE S., TUBITAK Project, Elektrokimyasal Hidrür Oluşturmalı Atomik Absorpsiyon Spektrometri ile Bizmut Tayini için Duyarlı Yöntem Geliştirilmesi, 2006 - 2008

BAKIRDERE S., Bor Mineralinin İnsanda Erkek Fertilitesi ve Prostat Kanserine Etkisinin Belirlenmesi, 2005 - 2007

BAKIRDERE S., İnsanların Bir Günde Aldıkları Bor Miktarının Saptanması ve Bunun İnsan Sağlığına Etkisinin Belirlenmesi, 2004 - 2006

BAKIRDERE S., TUBITAK Project, Şehir Atık Suyu Arıtma Tesisi Lağım Çamurundaki Kurşun un Kimyasal Yapısının Belirlenmesi, 1999 - 2000

Scientific Refereeing

CLEAN - Soil, Air, Water, SCI Journal, Continues

Journal of Hazardous Materials, SCI Journal, Continues

Polish Journal of Environmental Studies, SCI Journal, Continues

Environmental Monitoring and Assessment, SCI Journal, Continues

Scientific Research and Essays, SCI Journal, Continues

Science of the Total Environment, SCI Journal, Continues

Fresenius Environmental Bulletin, SCI Journal, Continues

Analytical Letters, SCI Journal, Continues

Environmental Geochemistry and Health, SCI Journal, Continues

Talanta, SCI Journal, Continues

Instrumentation Science & Technology, SCI Journal, Continues

Chemistry and Ecology, SCI Journal, Continues

Metrics

Publication: 595

Citation (WoS): 1943

Citation (Scopus): 4256

H-Index (WoS): 23

H-Index (Scopus): 33

Awards

BAKIRDERE S., En İyi Poster Alanında Birincilik Ödülü, Sensitive Determination of Copper in Water Samples Using Dispersive Liquid-Liquid Microextraction-Slotted Quartz Tube-Flame Atomic Absorption Spectrometry, 7th International IUPAC Conference on Green Chemistry, October 2017

BAKIRDERE S., En İyi Poster Alanında İkincilik Ödülü, Sertralinin GC-MS Sisteminde Düşük Seviyelerde Tayinine Yönelik Analitik Yöntem Geliştirilmesi Ve Yapay Mide Ortamındaki Kararlılığının Tespit Edilmesi, Es-An 2016, IV. Eser Analiz Kongresi, May 2016

BAKIRDERE S., CITAC Best Papers Award 2011, Determination of arsenobetaine in fish tissue by species specific isotope dilution LC-LTQ-Orbitrap-MS and standard addition LC-ICPMS, CITAC, Cooperation on International Traceability in Analytical Chemistry, January 2011

BAKIRDERE S., En İyi Poster Dalında Üçüncülük Ödülü, Bor Elementinin Erkeklerde Prostat Büyüklüğü ve Alt Üriner Sistem Septomlarına Etkisi, XI. Ulusal Spektroskopi Kongresi, June 2009

BAKIRDERE S., Klinik Üroonkoloji Alanında Birincilik Ödülü, Bor Mineralinin Prostat Kanserine Etkisinin Belirlenmesi: Topluma Dayalı Çalışma, 8. Ankara Üroonkoloji Kursu, December 2007

BAKIRDERE S., Perkin Elmer Excellent Poster Award, Interference Studies for Bismuth Determination by Tungsten Trap Atomic Absorption Spectrometry, Colloquium Spectroscopicum Internationale XXXV, September 2007

BAKIRDERE S., En İyi Poster Dalında Üçüncülük Ödülü, Determination of Lead in Anatolian Spices using W-Trap Hydride Generation Atomic Absorption Spectrometry, X. Ulusal Spektroskopi Kongresi, July 2007

Non Academic Experience

National Research Center, Canada