

Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, Yıldız Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Kimya/ Analitik Kimya , Türkiye 1995 - 2001

Yüksek Lisans, Yıldız Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Kimya/ Analitik Kimya , Türkiye 1992 - 1994

Lisans, Yıldız Teknik Üniversitesi, Fen-Edebiyat Fakültesi , Kimya, Türkiye 1986 - 1991

Yabancı Diller

İngilizce, B2 Orta Üstü

Yaptığı Tezler

Doktora, Atıksularda yağların giderilmesi , Yıldız Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Kimya/ Analitik Kimya , 2001

Yüksek Lisans, Sodyum sakarin ve sodyum siklamat karışımının yüksek dereceli türev spektrokopisi ile tayini, Yıldız Teknik Üniversitesi, Fen Bilimleri Enstitüsü , Kimya/ Analitik Kimya , 1994

Araştırma Alanları

Kimya, Analitik Kimya, Atomik ve Moleküler Spektroskopi, Ayırma Teknikleri, Gıda Analizleri, Kromatografi, Mikro ve Yarımikro Analiz Yöntemleri, Spektroskopik Yöntemler, Temel Bilimler

Akademik Unvanlar / Görevler

Doç.Dr., Yıldız Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Kimya, 2014 - Devam Ediyor

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- **Determination of lead in milk samples using vortex assisted deep eutectic solvent based liquid phase microextraction-slotted quartz tube-flame atomic absorption spectrometry system**
Borahan T., UNUTKAN T., Turan N. B. , TURAK F., BAKIRDERE S.
Food Chemistry, cilt.299, 2019
- **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, cilt.52, ss.761-771, 2019
- **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, cilt.40, ss.24-30, 2019

- **Determination of cadmium at trace levels in different water matrices and rose hip tea sample by dispersive liquid-liquid microextraction slotted quartz tube flame atomic absorption spectrometry system after complexation with a new imidazole based ligand**
Budak T., Chormey D. S. , Yazıcı E., Turak F., Firat M., Bakırdere S., Şahin Ç.
Atomic Spectroscopy, cilt.40, ss.24-30, 2019
- **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., BÜYÜKPINAR Ç., Erulaş A. F. , Komesli O. T. , TURAK F., BAKIRDERE S.
PURE AND APPLIED CHEMISTRY, cilt.90, ss.1703-1711, 2018
- **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, cilt.125, ss.219-223, 2018
- **Vortex-assisted switchable liquid-liquid microextraction for the preconcentration of cadmium in environmental samples prior to its determination with flame atomic absorption spectrometry**
Firat M., Bodur S., Tışlı B., Özlü C., Chormey D. S. , TURAK F., BAKIRDERE S.
ENVIRONMENTAL MONITORING AND ASSESSMENT, cilt.190, 2018
- **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**
Aydın I., Chormey S. D. , BUDAK T., Firat M., TURAK F., BAKIRDERE S.
JOURNAL OF AOAC INTERNATIONAL, cilt.101, ss.843-847, 2018
- **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. , Firat M., Chormey D. S. , Buyukpinar C., TURAK F., BAKIRDERE S.
BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, cilt.100, ss.715-719, 2018
- **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**
Findikoğlu M. S. , Firat M., Chormey D. S. , TURAK F., Şahin Ç., BAKIRDERE S.
Water, Air, and Soil Pollution, cilt.229, 2018
- **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, cilt.46, ss.645-655, 2018
- **A novel analytical method for sensitive determination of lead: Hydrogen assisted T-shape slotted quartz tube-atom-trap-flame atomic absorption spectrometry**
Uslu H., BÜYÜKPINAR Ç., UNUTKAN T., Serbest H., SAN N., TURAK F., BAKIRDERE S.
MICROCHEMICAL JOURNAL, cilt.137, ss.155-159, 2017
- **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, cilt.189, 2017
- **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. B. , BAKIRDERE S.
Microchemical Journal, cilt.133, ss.144-148, 2017
- **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., KOMESLİ O. T. , BAKIRDERE S.
ENVIRONMENTAL MONITORING AND ASSESSMENT, cilt.189, 2017
- **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 Ö., Erulaş F., TURAK F.

International Journal of Environmental Analytical Chemistry, cilt.97, ss.684-693, 2017

- **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, cilt.132, ss.406-410, 2017
- **Determination of trace amount of cadmium using dispersive liquid-liquid microextraction-slotted quartz tube-flame atomic absorption spectrometry**
FIRAT M., BAKIRDERE S., FİNDİKOĞLU M. S. , KAFA E. B. , YAZICI E., YOLCU M., Büyükpınar Ç., CHORMEY D. S. , SEL S., TURAK F.
Spectrochimica Acta - Part B Atomic Spectroscopy, cilt.129, ss.37-41, 2017
- **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. , BÜYÜKPINAR Ç., TURAK F., BUDAK T., BAKIRDERE S.
MICROCHEMICAL JOURNAL, ss.144-148, 2017
- **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, cilt.97, ss.684-693, 2017
- **Four Derivative Spectrophotometric Methods for the Simultaneous Determination of Carmoisine and Ponceau 4R in Drinks and Comparison with High Performance Liquid Chromatography**
TURAK F., Dinc M., Dulger O., Ozgur M. U.
INTERNATIONAL JOURNAL OF ANALYTICAL CHEMISTRY, 2014
- **Simultaneous Determination of Allura Red and Ponceau 4R in Drinks with the Use of Four Derivative Spectrophotometric Methods and Comparison with High-Performance Liquid Chromatography**
TURAK F., Ozgur M. U.
JOURNAL OF AOAC INTERNATIONAL, cilt.96, ss.1377-1386, 2013
- **Validated Spectrophotometric Methods for Simultaneous Determination of Food Colorants and Sweeteners**
TURAK F., OZGUR A. U.
JOURNAL OF CHEMISTRY, 2013
- **Nickel(II) and copper(II) complexes of Schiff base derived from isatin with 4-ethylaniline**
ERCAG A., Turak F., Ozgur M., Bozdogan A. E.
ASIAN JOURNAL OF CHEMISTRY, cilt.18, ss.1183-1190, 2006
- **Simultaneous determination of dazomet and propanil by partial least squares (PLS-2) and zero-crossing derivative spectrophotometry methods**
Turak F., Ozgur M. U. , ERCAG A., Bozdogan A. E.
REVIEWS IN ANALYTICAL CHEMISTRY, cilt.25, ss.295-306, 2006

Diğer Dergilerde Yayınlanan Makaleler

- **Effect of mobile phase variation and purification on chromatogram view by using fruits and rose extracts and HPLC method**
ÇETİN G., Turak F.
International Journal of Chemistry, cilt.8, ss.25-29, 2016
- **Removal of amitrole from aq. solutions by acid activated clay**
GÜLEN F. J. , TURAK F., ÖZGÜR M.
Eur. Chem. Bull., 2014, 3(6), 537-542, cilt.3, ss.537-542, 2014
- **Sumac Leaves as a Novel Low Cost Adsorbent for Removal of Basic Dye Methylene Blue from Aqueous Solution**
DÜLGER Ö., TURAK F., TURHAN K., ÖZGÜR M.
ISRN Analytical Chemistry, ss.1-9, 2013

- **Simultaneous determination of ternary mixtures of pesticides and herbicides (amitrole, dazomet, and propanil) by multivariate spectral analysis and derivative spectrophotometry**

ÖZGÜR M., TURAK F., BOZDOĞAN A. E. , ERCAG A.

International Journal of Chemistry, cilt.13, ss.163-169, 2003

Kitap & Kitap Bölümleri

- **Innovations in Chemical Biology**

Turhan K., Turak F., Özgür M.

Sorption of Zn(II) and Pb(II) Ions by a New Resin Synthesized from Sumac Tannin and Gelatin, Bilge ŞENER, Editör, Springer-Verlag , Dordrecht, ss.253-260, 2009

- **Innovations in Chemical Biology**

Turak F., Turhan K., Özgür M.

Sorption of Pb(II) and Zn(II) Ions from Aqueous Solution by Tannin Resins, Bilge ŞENER, Editör, Springer-Verlag , Dordrecht, ss.277-283, 2009

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- **Sensitive Determination of Lead in Milk Samples Using Vortex Assisted Deep Eutectic Solvent Based Liquid Phase Microextraction-Slotted Quartz Tube-Flame Atomic Absorption Spectrometry System**

Borahan T., UNUTKAN T., Bakariki Turan N., TURAK F., BAKIRDERE S.

1st INTERNATIONAL CONGRESS on ANALYTICAL and BIOANALYTICAL CHEMISTRY, Antalya, Türkiye, 27 Mart 2019, ss.225

- **Multivariate optimization of switchable solvent liquid phase microextraction for the determination of etrimfos in lake and well water by GC-MS**

Firat M., Chormey D. S. , BAKIRDERE S., TURAK F.

11th Aegean Analytical Chemistry Days (AACD2018), Girit, Yunanistan, 25 Eylül 2018

- **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**

Findikoğlu M. S. , Firat M., Chormey D. S. , TURAK F., Şahin Ç., BAKIRDERE S.

11th Aegean Analytical Chemistry Days (AACD2018), Girit, Yunanistan, 25 Eylül 2018

- **Nikelin dağıtıcı sıvı sıvı mikroekstraksiyon sonrası yarıklı kuartz tüp alevli atomik absorpsiyon spektrofotometresi ile eser seviyelerde tayini**

Yolcu Ş. M. , Firat M., Chormey D. S. , BÜYÜKPINAR Ç., TURAK F., BAKIRDERE S.

International Trace Analysis Congress (ITAC2018), Sivas, Türkiye, 20 Haziran 2018

- **Determination of Harmful Aromatic Amine Products after Azo Dyes Reductive Cleavage by Gas Chromatography Mass Spectrometry**

Chormey D. S. , Zaman B. T. , Maltepe E., BÜYÜKPINAR Ç., BULGURCUOĞLU A. E. , TURAK F., Erulaş F., BAKIRDERE S.

8TH BLACK SEA BASIN CONFERENCE ON ANALYTICAL CHEMISTRY, İstanbul, Türkiye, 09 Mayıs 2018, ss.176

- **Determination of Cadmium in Aqueous Samples Using a Sensitive Closed Batch Vessel Hydride Generation Atomic Absorption Spectrometry Method**

BÜYÜKPINAR Ç., Bekar B., Maltepe E., Chormey D. S. , TURAK F., SAN N., BAKIRDERE S.

8TH BLACK SEA BASIN CONFERENCE ON ANALYTICAL CHEMISTRY, İstanbul, Türkiye, 09 Mayıs 2018, ss.179

- **Determination of Cadmium in Environmental Samples by Slotted Quartz Tube Flame Atomic Absorption Spectrometry after Vortex Assisted Switchable Liquid-Liquid Microextraction**

Firat M., Bodur S., Tışlı B., Özlü C., Chormey D. S. , TURAK F., BAKIRDERE S.

8TH BLACK SEA BASIN CONFERENCE ON ANALYTICAL CHEMISTRY, İstanbul, Türkiye, 09 Mayıs 2018, ss.177

- **Sensitive Determination of Lead using Slotted Quartz T Tube-Atom Trap-Flame Atomic Absorption Spectrometry**

Uslu H., UNUTKAN T., Serbest H., BÜYÜKPINAR Ç., TURAK F., BAKIRDERE S.

7th International IUPAC Conference on Green Chemistry, Moskova, Rusya, 02 Ekim 2017, ss.58

- **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. , BÜYÜKPINAR Ç., TURAK F., BUDAK T., BAKIRDERE S.

7th International IUPAC Conference on Green Chemistry, 2 - 05 Ekim 2017

- **Arsenic Speciation in Chicken and Water Samples at Trace Levels by Ion Chromatography-Inductively Coupled Plasma-Mass Spectrometry**

Firat M., BAKIRDERE S., Sel S., Chormey D. S. , Elkiran Ö., Erulaş F., TURAK F.

7th International IUPAC Conference on Green Chemistry, Moskova, Rusya, 02 Ekim 2017, ss.64

- **Simultaneous Determination of Niacin and Pyridoxine at Trace Levels by Using HPLC and LC-QTOF-MS/MS**

Sel S., ÖZTÜRK ER E., TURAK F., BAKIRDERE S.

7th International IUPAC Conference on Green Chemistry, Moskova, Rusya, 02 Ekim 2017, ss.56

- **Matrix Matching and Matrix Dilution for the Accurate Determination of Pesticides, Hormones and Endocrine Disruptor Compounds in Complex Matrices**

Chormey D. S. , Firat M., BÜYÜKPINAR Ç., TURAK F., Erulaş F., Komesli O. T. , BAKIRDERE S.

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

- **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., Bakirdere S., Firat M., Chormey D. S. , Turak F., Şahin Ç., Budak T.

5th International Conference on Sustainable Solid Waste Management, Athens, Yunanistan, 21 Haziran 2017

- **Simultaneous Determination of Selected Hormones, Endocrine Disruptive Compounds and Pesticides in Water Samples by GC-MS after Dispersive Liquid-Liquid Microextraction**

Chormey D. S. , TURAK F., BOZDOĞAN A. E. , Komesli O. T. , BÜYÜKPINAR Ç., BAKIRDERE S.

10th Aegean Analytical Chemistry Days, Çanakkale, Türkiye, 29 Eylül 2016, ss.35

- **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, Türkiye, 29 Eylül 2016, ss.238

- **Decolorization of Textile Basic Dye (Methylene Blue) in Aqueous Solution by Ozone**

TURHAN K., TURAK F.

5th Black Sea Basin Conference on Analytical Chemistry, Ordu, Türkiye, 23 Eylül 2009, ss.243

- **Sorption of Zn(II) and Pb(II) Ions by A New Resin Synthesized From Sumac Tannin and Gelatin**

TURHAN K., TURAK F., ÜSTÜN ÖZGÜR M.

9th Eurasia Conference on Chemical Sciences (EuAs C2S-9), Antalya, Türkiye, 09 Eylül 2006, ss.112

- **The Sorption of Reactive Dyes into Zeolite**

TURHAN K., ERÇAĞ A., ÜSTÜN ÖZGÜR M., TURAK F.

40th IUPAC Congress, Innovation in Chemistry, Beijing, Çin, 14 Ağustos 2005, ss.795

- **Spectrophotometric Analysis of Cochineal Red A and Azorubine in Synthetic Mixtures and Drinks**

Turak F., DÜLGER KUTLU Ö., Atbakar A., Üstün Özgür M.

- **Türev Spektrofotometrik Yöntem İle Renkli Meyve, Sebze Ve İçeceklerde Askorbik Asit (Vitamin C) Tayini**

Turak F., DÜLGER KUTLU Ö., Üstün Özgür M.

- **Determination of Vitamin C Content in Coloured Fruits, Vegetables, Pharmaceuticals and Fruit Juices by UV-Spectrophotometric Method**

DÜLGER KUTLU Ö., ÖZGÜR M., TURAK F.

- **Ultrasonically Assisted Extraction of Anthocyanins from Red Rose Petals and a New Spectrophotometric Method for Quantitative Determination of Total Anthocyanins**

Çimen E., DÜLGER KUTLU Ö., Turak F., Özgür M.

- **Modified Colorimetric Spectrophotometric Method for Ascorbic Acid Determination in Vegetables, Fruit, Pharmaceuticals and Fruit Juice**

DÜLGER KUTLU Ö., Özgür M., Turak F.

- **Spectrophotometric Analysis of Brilliant Blue and Indigotine in Synthetic Mixtures and Chewing Gum**

Samples

Turak F., DÜLGER KUTLU Ö., Üstün Özgür M.

Desteklenen Projeler

TURAK F., BAKIRDERE S., CHORMEYD. S. , Fırat M., Yükseköğretim Kurumları Destekli Proje, Çevre Örneklerinde Bulunan Etrimfos Pestisitinin Ekstraksiyon Önderiştirilmesi Sonrası İç Standard Varlığında Gaz Kromatografisi Kütle Spektrometresi Sistemi ile Düşük Seviyelerde Tayini, 2017 - 2019

BAKIRDERE S., TURAK F., Yükseköğretim Kurumları Destekli Proje, Bazı endokrin bozucu bileşiklerin ve pestisitlerin ön deriştirme sonrası GC-MS ile düşük seviyelerde eş zamanlı tayinleri, 2016 - 2018

TURAK F., Yükseköğretim Kurumları Destekli Proje, Gıda ve İlaçlara Katılan Yapay Tatlandırıcıların Spektrofotometri ile Tayininde Türev ve Çok Değişkenli Kalibrasyon Yöntemlerinin Uygulanması, 2011 - 2013

Atıflar

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