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International Researcher IDs

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Education Information

Doctorate, Sivas Cumhuriyet University, Fen Fakültesi, Kimya Bölümü, Turkey 1998 - 2002

Postgraduate, Sivas Cumhuriyet University, Fen Fakültesi, Kimya Bölümü, Turkey 1995 - 1998

Undergraduate, Cukurova University, Fen-Edebiyat Fakültesi, Kimya, Turkey 1981 - 1985

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Quality Management, Yöntem geçerliliği ve ölçüm belirsizliği, II. Eser Analiz Çalıştayı, Trabzon, 2012

Dissertations

Doctorate, Selenyumun katalizlediği (indikatör-redoks) tepkimelere dayalı olarak eser derişimde selenyumun kinetik-spektrofotometrik yöntemle belirlenmesi, Sivas Cumhuriyet University, Fen Fakültesi, Kimya Bölümü, 2002

Postgraduate, Bazı metal komplekslerinin TLC/IR birleşik sistemi ile tuz kaması yöntemi kullanılarak ayrılması ve tanısı, Sivas Cumhuriyet University, Fen Fakültesi, Kimya Bölümü, 1997

Research Areas

Natural Sciences

Academic Titles / Tasks

Professor, Sivas Cumhuriyet University, Fen Fakültesi, Kimya Bölümü, 2014 - Continues

Associate Professor, Sivas Cumhuriyet University, Fen Fakültesi, Kimya Bölümü, 2009 - 2014

Assistant Professor, Sivas Cumhuriyet University, Fen Fakültesi, Kimya Bölümü, 2004 - 2009

Research Assistant PhD, Sivas Cumhuriyet University, Fen Fakültesi, Kimya Bölümü, 2002 - 2004

Research Assistant, Sivas Cumhuriyet University, Fen Fakültesi, Kimya Bölümü, 1995 - 2002

Academic and Administrative Experience

Head of Department, Sivas Cumhuriyet University, Fen Fakültesi, Kimya Bölümü, 2020 - Continues

Head of Department, Sivas Cumhuriyet University, Fen Fakültesi, Kimya Bölümü, 2017 - 2020

Deputy Head of Department, Sivas Cumhuriyet University, Fen Fakültesi, Kimya Bölümü, 2008 - 2010

Courses

Analitik Kimya-I, Undergraduate, 2019 - 2020

Enstrümental Analiz Lab, Undergraduate, 2018 - 2019

Analitik Kimyanın ilkeleri, Postgraduate, 2019 - 2020

Tez Çalışması, Postgraduate, 2018 - 2019

Uzmanlık Alan Dersi, Postgraduate, 2018 - 2019

Analitik Kimyanın İlkeleri, Postgraduate, 2019 - 2020

Analitik kimya Lab. - I, Undergraduate, 2019 - 2020

Enstrümental Analiz, Undergraduate, 2018 - 2019

Genel Kimya II, Undergraduate, 2017 - 2018

Genel Kimya, Undergraduate, 2018 - 2019

Seminer Dersi, Doctorate, 2017 - 2018

Kimyasal Türleme, Postgraduate, 2016 - 2017

Misel-Destekli Ekstraksiyon, Postgraduate, 2017 - 2018

Elektroanalitik Kimya, Undergraduate, 2017 - 2018

Kimyasal Enstrümantasyon, Undergraduate, 2016 - 2017

Bitirme Ödevi/Tezi, Undergraduate, 2016 - 2017

Seminer Dersi, Postgraduate, 2015 - 2016

Analitik Kimyada İyonik Sıvılar, Postgraduate, 2015 - 2016

Uzmanlık Alan Dersi, Doctorate, 2015 - 2016

Genel Kimya Lab.I, Undergraduate, 2015 - 2016

Genel Kimya Laboratuvarı I, Undergraduate, 2014 - 2015

Genel Kimya I, Undergraduate, 2014 - 2015

Genel Kimya - II, Undergraduate, 2013 - 2014

Enstrümental Analiz, Undergraduate, 2013 - 2014

Genel Kimya - I, Undergraduate, 2013 - 2014

Elektroanalitik Kimya, Undergraduate, 2012 - 2013

Su Kimyası, Undergraduate, 2011 - 2012

Analitik kimyada iyonik sıvılar, Postgraduate, 2012 - 2013

Su Kimyası, Undergraduate, 2011 - 2012

Kinetik Analiz, Postgraduate, 2010 - 2011

Kimyasal Enstrümantasyon, Undergraduate, 2010 - 2011

Atomik Spektrometri Örnek Girişinde Yüzey Aktif Yapılandırılmış Yapılar, Postgraduate, 2010 - 2011

Enstrümental Analiz Lab., Undergraduate, 2010 - 2011

Genel Kimya-I, Undergraduate, 2010 - 2011

Su Kimyası, Undergraduate, 2009 - 2010

Tekstil Kimyası, Associate Degree, 2008 - 2009

Enstrümental Analiz, Undergraduate, 2009 - 2010

Kimyasal Türleme, Postgraduate, 2009 - 2010

Misel Destekli Ekstraksiyon, Postgraduate, 2009 - 2010
Elektroanalitik Kimya, Undergraduate, 2009 - 2010
Genel Kimya - III (Analitik Kimya), Undergraduate, 2007 - 2008
Çevre Kimyasına Giriş, Undergraduate, 2006 - 2007
Genel Kimya, Undergraduate, 2004 - 2005
Kimya III, Undergraduate, 2005 - 2006
Analitik Kimya, Undergraduate, 2005 - 2006
Kimya-I, Undergraduate, 2004 - 2005
Genel Kimya I, Undergraduate, 2004 - 2005

Jury Memberships

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Sivas Cumhuriyet Üniversitesi, January, 2020
Doctorate, Doctorate, Tokat Gaziosmanpaşa Üniversitesi, September, 2019
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Sivas Cumhuriyet Üniversitesi, January, 2018
Post Graduate, Post Graduate, Tokat Gaziosmanpaşa Üniversitesi, December, 2017
Associate Professor Exam, Associate Professor Exam, Sivas Cumhuriyet Üniversitesi, October, 2017
Associate Professor Exam, Associate Professor Exam, Sivas Cumhuriyet Üniversitesi, April, 2016
Associate Professor Exam, Associate Professor Exam, Sivas Cumhuriyet Üniversitesi, January, 2015
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Sivas Cumhuriyet Üniversitesi, May, 2014

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Pre-concentration of trace Mn from dairy products through a pH-induced tautomerization/charge transfer complexation before spectrophotometric analysis**
GÜRKAN R., ZENGİN H.
Chemical Papers, vol.78, no.5, pp.2915-2931, 2024 (SCI-Expanded)
- II. **Application of ultrasound assisted-cloud point extraction coupled with spectrophotometry for the selective extraction/pre-concentration of low levels of inorganic Hg (as Hg²⁺/Hg²⁺) from liquid matrices**
GÜRKAN R., ZENGİN H.
International Journal of Environmental Analytical Chemistry, vol.104, no.18, pp.7046-7066, 2024 (SCI-Expanded)
- III. **A new pre-concentration procedure based on poly(styrene-co-maleamide and imide) copolymers modified with 2-hydrazinobenzothiazole prior to spectrophotometric monitoring of inorganic As (as As(III)) in edible vegetable oils**
GÜRKAN R., ZENGİN H.
Food Chemistry, vol.409, 2023 (SCI-Expanded)
- IV. **Novel amide- and imide-co-polymers modified with sulfathiazole as efficient chelator for selective extraction, pre-concentration and determination of trace inorganic antimony (as Sb(III)) from edible vegetable oils by ultrasound assisted-cloud point extraction coupled to micro-volume UV-spectrophotometry**
ZENGİN H., GÜRKAN R.
JOURNAL OF FOOD COMPOSITION AND ANALYSIS, vol.115, 2023 (SCI-Expanded)
- V. **pH-controlled charge transfer sensitive 2-aminobenzimidazole modified poly(styrene-co-maleic anhydride) copolymer for selective extraction, pre-concentration and determination of trace Hg²⁺ and CH₃Hg⁺ in vinegar by combination of ultrasound assisted-cloud point extraction with UV-VIS**

spectrophotometry

Zengin H., Guerkan R.

JOURNAL OF FOOD COMPOSITION AND ANALYSIS, vol.114, 2022 (SCI-Expanded)

- VI. **An indirect method for the analysis of bisphenol A, as a Mn(III)-chelate complex, in milk samples by ultrasound assisted-cloud point extraction/flame atomic absorption spectrometry**
Temel N., GÜRKAN R.
ANALYTICAL METHODS, vol.14, no.26, pp.2596-2607, 2022 (SCI-Expanded)
- VII. **A magnetic nanocomposite based on amine-functionalized pH-sensitive functional poly(styrene-co-maleic anhydride) copolymer for selective extraction, pre-concentration and determination of sub-trace Ag⁺ and Cu²⁺ ions from edible vegetable oils by a combination of spectrophotometry and ultrasound-assisted cloud point extraction**
ZENGİN H., GÜRKAN R.
JOURNAL OF THE IRANIAN CHEMICAL SOCIETY, vol.19, no.5, pp.1669-1688, 2022 (SCI-Expanded)
- VIII. **A New Enrichment Method for Quantification of 5-Hydroxymethylfurfural by Indirect Flame Atomic Absorption Spectrometry in Honey and Jam Samples**
GÜRKAN R.
JOURNAL OF AOAC INTERNATIONAL, vol.104, no.3, pp.682-692, 2021 (SCI-Expanded)
- IX. **Eco-friendly trace analysis of silver in beer/wine samples using a new co-polymeric nanocomposite based-ultrasound assisted-cloud point extraction combined with spectrophotometry**
ZENGİN H., GÜRKAN R.
JOURNAL OF FOOD COMPOSITION AND ANALYSIS, vol.98, 2021 (SCI-Expanded)
- X. **Application of a novel poly(SMAm)-Tris-Fe₃O₄ nanocomposite for selective extraction and enrichment of Cu(I) /Cu(II) from beer, soft drinks and wine samples, and speciation analysis by micro-volume UV-Vis spectrophotometry**
ZENGİN H., GÜRKAN R.
TALANTA, vol.224, 2021 (SCI-Expanded)
- XI. **Selective extraction and enrichment of 5-hydroxymethylfurfural from honey, molasses, jam and vinegar samples prior to sensitive determination by micro-volume UV-vis spectrophotometry**
Bas S. D., GÜRKAN R.
JOURNAL OF FOOD COMPOSITION AND ANALYSIS, vol.95, 2021 (SCI-Expanded)
- XII. **Bio-sorption of bisphenol a by the dried- and inactivated-lichen (Pseudoevernia furfuracea) biomass from aqueous solutions**
Senol Z. M., Gul U. D., GÜRKAN R.
JOURNAL OF ENVIRONMENTAL HEALTH SCIENCE AND ENGINEERING, vol.18, no.2, pp.853-864, 2020 (SCI-Expanded)
- XIII. **Coupling of ion pair ultrasound assisted-cloud point extraction to microvolume UV-Vis spectrophotometry for speciation analysis of ionic NO₂⁻, NO₃⁻ and total NO₂⁻/NO₃⁻ without and with reduction in the selected beverage and food matrices**
Olgac E., GÜRKAN R.
FOOD ADDITIVES AND CONTAMINANTS PART A-CHEMISTRY ANALYSIS CONTROL EXPOSURE & RISK ASSESSMENT, vol.37, no.11, pp.1811-1830, 2020 (SCI-Expanded)
- XIV. **Selective extraction of Cu⁺ and Cu²⁺ ions from mushroom and lichen samples prior to analysis by micro-volume UV-Vis spectrophotometry: Application of a novel poly (SMIm)-Tris-Fe₃O₄ nanocomposite**
ZENGİN H., Marsan H., GÜRKAN R.
JOURNAL OF FOOD COMPOSITION AND ANALYSIS, vol.91, 2020 (SCI-Expanded)
- XV. **Preparation and application of alcohol based deep eutectic solvents for extraction of curcumin in food samples prior to its spectrophotometric determination**
Altunay N., Elik A., Gürkan R.
FOOD CHEMISTRY, vol.310, 2020 (SCI-Expanded)
- XVI. **Manganese sensitised-indirect determination of melamine in milk-based samples by flame atomic**

absorption spectrometry coupled with ultrasound assisted-cloud point extraction

Gürkan R., Kartal Temel N.

INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, vol.100, no.2, pp.152-174, 2020 (SCI-Expanded)

- XVII. **Application of Ultrasound-Assisted Cloud-Point Extraction and Spectrophotometry for Preconcentration and Determination of Trace Amounts of Copper(II) in Beverages**
Temel N. K., GÜRKAN R.
JOURNAL OF ANALYTICAL CHEMISTRY, vol.74, no.12, pp.1174-1183, 2019 (SCI-Expanded)
- XVIII. **A new ion-pair ultrasound assisted-cloud point extraction approach for determination of trace V(V) and V(IV) in edible vegetal oils and vinegar by spectrophotometry**
Temel N., Kus B., GÜRKAN R.
MICROCHEMICAL JOURNAL, vol.150, 2019 (SCI-Expanded)
- XIX. **Use of 2-Hydrazinobenzothiazole-Modified Copolymer(s) as Potential Chelating Agent for Sensitive and Selective Determination of Low Levels of Mercury in Seafood by Ultrasound-Assisted Cloud-Point Extraction Combined with Spectrophotometry**
ZENGİN H., GÜRKAN R.
BIOLOGICAL TRACE ELEMENT RESEARCH, vol.191, no.1, pp.254-268, 2019 (SCI-Expanded)
- XX. **A novel, green and safe ultrasound-assisted emulsification liquid phase microextraction based on alcohol-based deep eutectic solvent for determination of patulin in fruit juices by spectrophotometry**
Altunay N., Elik A., Gürkan R.
JOURNAL OF FOOD COMPOSITION AND ANALYSIS, vol.82, 2019 (SCI-Expanded)
- XXI. **A Simple and Green Microextraction Procedure for Extraction of Morin in Food and Beverages Using Ionic Liquid**
ALTUNAY N., ELİK A., GÜRKAN R.
FOOD ANALYTICAL METHODS, vol.12, no.8, pp.1747-1758, 2019 (SCI-Expanded)
- XXII. **Natural deep eutectic solvent-based ultrasound-assisted-microextraction for extraction, pre-concentration and analysis of methylmercury and total mercury in fish and environmental waters by spectrophotometry**
Altunay N., Elik A., Gürkan R.
FOOD ADDITIVES AND CONTAMINANTS PART A-CHEMISTRY ANALYSIS CONTROL EXPOSURE & RISK ASSESSMENT, vol.36, no.7, pp.1079-1097, 2019 (SCI-Expanded)
- XXIII. **Ion pair vortex assisted-ionic liquid based dispersive liquid-liquid microextraction for selective separation and preconcentration of 4-methylimidazole from caramel colour drinks and foodstuffs prior to its spectrophotometric determination**
ALTUNAY N., GÜRKAN R.
MICROCHEMICAL JOURNAL, vol.147, pp.999-1009, 2019 (SCI-Expanded)
- XXIV. **Monitoring of some trace metals in honeys by flame atomic absorption spectrometry after ultrasound assisted-dispersive liquid liquid microextraction using natural deep eutectic solvent**
Altunay N., Elik A., Gürkan R.
MICROCHEMICAL JOURNAL, vol.147, pp.49-59, 2019 (SCI-Expanded)
- XXV. **Vortex assisted-ionic liquid based dispersive liquid liquid microextraction of low levels of nickel and cobalt in chocolate-based samples and their determination by FAAS**
ALTUNAY N., ELİK A., GÜRKAN R.
MICROCHEMICAL JOURNAL, vol.147, pp.277-285, 2019 (SCI-Expanded)
- XXVI. **Development of a new analytical method for Pb preconcentration and its further determination in water and foodstuffs using relatively low-sensitivity flame atomic absorption spectrometry**
GÜRKAN R.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, vol.99, no.10, pp.977-995, 2019 (SCI-Expanded)
- XXVII. **Preconcentration and Determination of Trace Nickel and Cobalt in Milk-Based Samples by**

- Ultrasound-Assisted Cloud Point Extraction Coupled with Flame Atomic Absorption Spectrometry**
Temel N., Sertakan K., GÜRKAN R.
BIOLOGICAL TRACE ELEMENT RESEARCH, vol.186, no.2, pp.597-607, 2018 (SCI-Expanded)
- XXVIII. **Combination of Ultrasound-Assisted Cloud-Point Extraction with Spectrophotometry for Extraction, Preconcentration, and Determination of Low Levels of Free Formaldehyde from Cosmetic Products**
Temel N., GÜRKAN R.
JOURNAL OF AOAC INTERNATIONAL, vol.101, no.6, pp.1763-1772, 2018 (SCI-Expanded)
- XXIX. **A new method of UA_CPE coupled with spectrophotometry for the faster and cost-effective detection of proline in fruit juice, honey, and wine**
Dagdeviren S., ALTUNAY N., Sayman Y., GÜRKAN R.
FOOD CHEMISTRY, vol.255, pp.31-40, 2018 (SCI-Expanded)
- XXX. **Preconcentration and indirect quantification of trace nitrite, nitrate and total nitrite in selected beverage and milk samples using ion-pairing cloud-point extraction with acridine orange's**
GÜRKAN R., ALTUNAY N.
JOURNAL OF FOOD COMPOSITION AND ANALYSIS, vol.69, pp.129-139, 2018 (SCI-Expanded)
- XXXI. **Extraction and preconcentration of trace Al and Cr from vegetable samples by vortex-assisted ionic liquid-based dispersive liquid-liquid microextraction prior to atomic absorption spectrometric determination**
ALTUNAY N., Yildirim E., GÜRKAN R.
FOOD CHEMISTRY, vol.245, pp.586-594, 2018 (SCI-Expanded)
- XXXII. **Preconcentration and Determination of Trace Vanadium(V) in Beverages by Combination of Ultrasound Assisted-cloud Point Extraction with Spectrophotometry**
Temel N., GÜRKAN R.
ACTA CHIMICA SLOVENICA, vol.65, no.1, pp.138-149, 2018 (SCI-Expanded)
- XXXIII. **Simple and fast spectrophotometric determination of low levels of thiabendazole residues in fruit and vegetables after pre-concentration with ionic liquid phase microextraction**
ALTUNAY N., Uluzger D., GÜRKAN R.
FOOD ADDITIVES AND CONTAMINANTS PART A-CHEMISTRY ANALYSIS CONTROL EXPOSURE & RISK ASSESSMENT, vol.35, no.6, pp.1139-1154, 2018 (SCI-Expanded)
- XXXIV. **Application of simple, fast and eco-friendly ultrasound-assisted-cloud point extraction for pre-concentration of zinc, nickel and cobalt from foods and vegetables prior to their flame atomic absorption spectrometric determinations**
ALTUNAY N., ELİK A., Bulutlu C., GÜRKAN R.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, vol.98, no.7, pp.655-675, 2018 (SCI-Expanded)
- XXXV. **Extraction and reliable determination of acrylamide from thermally processed foods using ionic liquid-based ultrasound-assisted selective microextraction combined with spectrophotometry**
ALTUNAY N., ELİK A., GÜRKAN R.
FOOD ADDITIVES AND CONTAMINANTS PART A-CHEMISTRY ANALYSIS CONTROL EXPOSURE & RISK ASSESSMENT, vol.35, no.2, pp.222-232, 2018 (SCI-Expanded)
- XXXVI. **Using Safranin T as a Charge Transfer-Sensitive Ion-Pairing Reagent in Ultrasound-Assisted Cloud Point Extraction: Determination of Bisphenol A in Selected Beverages**
Temel N., GÜRKAN R.
JOURNAL OF AOAC INTERNATIONAL, vol.101, no.1, pp.277-287, 2018 (SCI-Expanded)
- XXXVII. **Ionic liquid based ion-pairing microextraction combined with spectrophotometry for preconcentration and quantitation of melamine in milk and milk-based products**
ALTUNAY N., Demir O., GÜRKAN R.
LWT-FOOD SCIENCE AND TECHNOLOGY, vol.86, pp.352-360, 2017 (SCI-Expanded)
- XXXVIII. **Extraction, Preconcentration, and Quantification of Low Levels of Free Formaldehyde from Some Beverage Matrices by Combination of Ultrasound-Assisted-Cloud Point Extraction with Spectrophotometry**

- Temel N., GÜRKAN R.
FOOD ANALYTICAL METHODS, vol.10, no.12, pp.4024-4037, 2017 (SCI-Expanded)
- XXXIX. **Indirect determination of the flavor enhancer maltol in foods and beverages through flame atomic absorption spectrometry after ultrasound assisted-cloud point extraction**
Altunay N., Gürkan R., Orhan U.
FOOD CHEMISTRY, vol.235, pp.308-317, 2017 (SCI-Expanded)
- XL. **Ionic liquid based ion-pairing microextraction combined with spectrophotometry for preconcentration and quantitation of melamine in milk and milk-based products**
Altunay N., Demir Ö., Gürkan R.
LWT-FOOD SCIENCE AND TECHNOLOGY, vol.86, no.86, pp.352-360, 2017 (SCI-Expanded)
- XLII. **Development of a New Methodology for Indirect Determination of Nitrite, Nitrate, and Total Nitrite in the Selected Two Groups of Foods by Spectrophotometry**
ALTUNAY N., GÜRKAN R., Olgac E.
FOOD ANALYTICAL METHODS, vol.10, no.7, pp.2194-2206, 2017 (SCI-Expanded)
- XLIII. **A New Ultrasonic Thermo-static-Assisted Cloud Point Extraction/Spectrophotometric Method for the Preconcentration and Determination of Bisphenol A in Food, Milk, and Water Samples in Contact with Plastic Products**
Yildirim E., GÜRKAN R., ALTUNAY N.
FOOD ANALYTICAL METHODS, vol.10, no.6, pp.1765-1776, 2017 (SCI-Expanded)
- XLIII. **Extraction, preconcentration and spectrophotometric determination of trace levels of thiosulfate in environmental waters**
GÜRKAN R., ALTUNAY N., Gurkan N.
JOURNAL OF THE IRANIAN CHEMICAL SOCIETY, vol.14, no.5, pp.1033-1049, 2017 (SCI-Expanded)
- XLIV. **A micellar sensitized kinetic method for quantification of low levels of bisphenol A in foodstuffs by spectrophotometry**
Temel N., GÜRKAN R.
ANALYTICAL METHODS, vol.9, no.7, pp.1190-1200, 2017 (SCI-Expanded)
- XLV. **Speciative determination of total V and dissolved inorganic vanadium species in environmental waters by catalytic-kinetic spectrophotometric method**
GÜRKAN R., Tamay A., ULUSOY H. İ.
Arabian Journal of Chemistry, vol.10, 2017 (SCI-Expanded)
- XLVI. **Simultaneous determination of dissolved inorganic chromium species in wastewater/natural waters by surfactant sensitized catalytic kinetic spectrophotometry**
GÜRKAN R., ULUSOY H. İ., Akçay M.
Arabian Journal of Chemistry, vol.10, 2017 (SCI-Expanded)
- XLVII. **Determination of sub-ng g(-1) levels of total inorganic arsenic and selenium in foods by hydride-generation atomic absorption spectrometry after pre-concentration**
ALTUNAY N., GÜRKAN R.
FOOD ADDITIVES AND CONTAMINANTS PART A-CHEMISTRY ANALYSIS CONTROL EXPOSURE & RISK ASSESSMENT, vol.34, no.3, pp.390-403, 2017 (SCI-Expanded)
- XLVIII. **A preconcentration method for indirect determination of acrylamide from chips, crackers and cereal-based baby foods using flame atomic absorption spectrometry**
ALTUNAY N., GÜRKAN R., Orhan U.
TALANTA, vol.161, pp.143-150, 2016 (SCI-Expanded)
- XLIX. **Separation/preconcentration of ultra-trace levels of inorganic Sb and Se from different sample matrices by charge transfer sensitized ion-pairing using ultrasonic-assisted cloud point extraction prior to their speciation and determination by hydride generation AAS**
ALTUNAY N., GÜRKAN R.
TALANTA, vol.159, pp.344-355, 2016 (SCI-Expanded)
- L. **Application of ultrasonic-assisted cloud point extraction/flame atomic absorption spectrometry (UA-CPE/FAAS) for preconcentration and determination of low levels of antimony in some beverage**

samples

GÜRKAN R., Eser M.

JOURNAL OF THE IRANIAN CHEMICAL SOCIETY, vol.13, no.9, pp.1579-1591, 2016 (SCI-Expanded)

- LI. Preconcentration and determination of vanadium and molybdenum in milk, vegetables and foodstuffs by ultrasonic-thermostatic-assisted cloud point extraction coupled to flame atomic absorption spectrometry**
GÜRKAN R., Korkmaz S., ALTUNAY N.
TALANTA, vol.155, pp.38-46, 2016 (SCI-Expanded)
- LII. A simple and efficient ultrasonic-assisted extraction procedure combined with UV-Vis spectrophotometry for the pre-concentration and determination of folic acid (vitamin B-9) in various sample matrices**
GÜRKAN R., ALTUNAY N.
FOOD ADDITIVES AND CONTAMINANTS PART A-CHEMISTRY ANALYSIS CONTROL EXPOSURE & RISK ASSESSMENT, vol.33, no.7, pp.1127-1138, 2016 (SCI-Expanded)
- LIII. A Simple, Low-Cost, and Useful Preconcentration Method for Quantification of Soluble, Insoluble, and Total Oxalate in Selected Vegetables Through Spectrophotometry**
ALTUNAY N., GÜRKAN R.
FOOD ANALYTICAL METHODS, vol.9, no.4, pp.950-965, 2016 (SCI-Expanded)
- LIV. A New Micellar Mediated Cloud-Point Extraction Procedure for Sensitive and Selective Determination of Trace Amounts of Total Iodine in Milk-Based Nutritional Products by Means of Indirect Spectrophotometry**
ALTUNAY N., GÜRKAN R.
FOOD ANALYTICAL METHODS, vol.9, no.2, pp.505-518, 2016 (SCI-Expanded)
- LV. A new simple UV-Vis spectrophotometric method for determination of sulfite species in vegetables and dried fruits using a preconcentration process**
ALTUNAY N., GÜRKAN R.
ANALYTICAL METHODS, vol.8, no.2, pp.342-352, 2016 (SCI-Expanded)
- LVI. A simple and efficient approach for preconcentration of some heavy metals in cosmetic products before their determinations by flame atomic absorption spectrometry**
ALTUNAY N., GÜRKAN R.
TURKISH JOURNAL OF CHEMISTRY, vol.40, no.6, pp.988-1001, 2016 (SCI-Expanded)
- LVII. Photocatalytic TiO₂-catalyzed degradation of bromophenol blue-mediated Mo(VI)-peroxo complexes in the presence of SDS**
KARTAL TEMEL N., GÜRKAN R., Ayan F.
DESALINATION AND WATER TREATMENT, vol.57, no.44, pp.21083-21090, 2016 (SCI-Expanded)
- LVIII. Simultaneous determination of antimony and boron in beverage and dairy products by flame atomic absorption spectrometry after separation and pre-concentration by cloud-point extraction**
ALTUNAY N., GÜRKAN R.
FOOD ADDITIVES AND CONTAMINANTS PART A-CHEMISTRY ANALYSIS CONTROL EXPOSURE & RISK ASSESSMENT, vol.33, no.2, pp.271-281, 2016 (SCI-Expanded)
- LIX. Preconcentration of sulfite from food and beverage matrices by ultrasonic assisted-cloud point extraction prior to its indirect determination by flame atomic absorption spectrometry**
ALTUNAY N., GÜRKAN R.
RSC ADVANCES, vol.6, no.25, pp.20961-20970, 2016 (SCI-Expanded)
- LX. Ultrasound assisted extraction and spectrophotometric determination of trace selenium in water, food and vegetable samples**
ALTUNAY N., GÜRKAN R., Gunes M.
ANALYTICAL METHODS, vol.8, no.46, pp.8208-8218, 2016 (SCI-Expanded)
- LXI. Determination of low levels of Cd(II) in cosmetic products by spectrophotometry after separation/preconcentration with cloud point extraction**
ALTUNAY N., GÜRKAN R.

- ANALYTICAL METHODS, vol.8, no.12, pp.2673-2683, 2016 (SCI-Expanded)
- LXII. **A new atomic absorption-based method development for indirect determination of histamine in fish samples, dairy products, and alcoholic beverages by flame AAS**
ALTUNAY N., GÜRKAN R., Tetik M.
ANALYTICAL METHODS, vol.8, no.25, pp.5142-5151, 2016 (SCI-Expanded)
- LXIII. **Spectrophotometric determination of low levels arsenic species in beverages after ion-pairing vortex-assisted cloud-point extraction with acridine red**
ALTUNAY N., GÜRKAN R., Kir U.
FOOD ADDITIVES AND CONTAMINANTS PART A-CHEMISTRY ANALYSIS CONTROL EXPOSURE & RISK ASSESSMENT, vol.33, no.2, pp.259-270, 2016 (SCI-Expanded)
- LXIV. **Catalytic spectrophotometric determination of trace Mo(VI) in milk-based beverages in the presence of bromophenol blue and H₂O₂ using SDS as a sensitizer**
Temel N., GÜRKAN R.
ANALYTICAL METHODS, vol.8, no.33, pp.6284-6292, 2016 (SCI-Expanded)
- LXV. **A new ultrasonic-assisted cloud-point-extraction procedure for pre-concentration and determination of ultra-trace levels of copper in selected beverages and foods by flame atomic absorption spectrometry**
ALTUNAY N., GÜRKAN R., Orhan U.
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2016

Project Supported by Higher Education Institutions, BAP MSc, Sivas Cumhuriyet University, Turkey, June 2016

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Project Supported by Higher Education Institutions, BAP PhD, Sivas Cumhuriyet University, Turkey, January 2014

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Tasks In Event Organizations

Candan F., Ulusoy U., Gürkan R., ŞAHİN BÖLÜKBAŞI S., 23. Ulusal Kimya Kongresi, Scientific Congress, Sivas, Turkey, Haziran 2009

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Congress and Symposium Activities

ULUSLARARASI KATILIMLI POLİMER BİLİM VE VI. TEKNOLOJİ KONGRESİ, Working Group, Eskişehir, Turkey, 2018

9. Ulusal Analitik Kimya Kongresi, Working Group, Konya, Turkey, 2018

International Trace Analysis Congress, Working Group, Sivas, Turkey, 2018

8TH BLACK SEA BASIN CONFERENCE ON ANALYTICAL CHEMISTRY, Working Group, İstanbul, Turkey, 2018

I. International Scientific and Vocational Studies Congress, Working Group, Nevşehir, Turkey, 2017

International Conference on Technology, Engineering and Science (IConTES), Working Group, Antalya, Turkey, 2017

Ancon-International Congress on Chemistry and Materials Science, Working Group, Ankara, Turkey, 2017

2nd International Gazi Pharma Symposium Series, Working Group, Ankara, Turkey, 2017

29. Ulusal Kimya Kongresi, Working Group, Ankara, Turkey, 2017

International Turkish Congress on Molecular Spectroscopy (TURCMOS2017), Working Group, Antalya, Turkey, 2017

XV. Ulusal Spektroskopi Kongresi (Usk 2017), Working Group, Yalova, Turkey, 2017

10th Aegean Analytical Chemistry Days, Working Group, Çanakkale, Turkey, 2016

1st International Black Sea Congress on Environmental Sciences - IBCESS, Working Group, Giresun, Turkey, 2016

28. Ulusal Kimya Kongresi, Working Group, Mersin, Turkey, 2016

II. Eser Analiz Çalıştayı, Working Group, Trabzon, Turkey, 2016

IV. Eser Analiz Kongresi, Working Group, Sakarya, Turkey, 2016

8. Ulusal Analitik Kimya Kongresi, Working Group, Isparta, Turkey, 2016

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XIV. Ulusal Spektroskopi Kongresi, Working Group, Elazığ, Turkey, 2015

7. Ulusal Analitik Kimya Kongresi, Working Group, Kahramanmaraş, Turkey, 2014
III. Eser Analiz Çalıştayı, Working Group, Tokat, Turkey, 2014
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12.Ulusal Spektroskopi Kongresi, Working Group, Antalya, Turkey, 2011
V. Ulusal Analitik Kimya Kongresi, Working Group, Erzurum, Turkey, 2010
5th Black Sea Basin Conference on Analytical Chemistry, Working Group, Ordu, Turkey, 2009
23. Ulusal Kimya Kongresi, Working Group, Sivas, Turkey, 2009
21. Ulusal Kimya Kongresi, Working Group, Malatya, Turkey, 2007
XVIII. Ulusal Kimya Kongresi, Working Group, Kars, Turkey, 2004
XVI. Ulusal Kimya Kongresi, Working Group, Konya, Turkey, 2002
XI. Ulusal Kimya Kongresi, Working Group, Van, Turkey, 1997

Awards

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Gürkan R., Üçüncülük Yayın Onur Plaketi (Fakülte Öğretim Üyelerince üretilen yayın sıralaması bağlamında), C.Ü. Fen Fakültesi Dekanlığı, February 2012

Non Academic Experience

MEB Divriği İmam Hap Lisesi, Sivas
Yüzüncü Yıl Üniversitesi, Fen-Edebiyat Fakültesi, Van.