

Assoc. Prof. ADİL ELİK

Personal Information

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Education Information

Doctorate, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Kimya Bölümü, Turkey 1990 - 1995

Post Graduate, Sivas Cumhuriyet Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Pr., Turkey 1987 - 1990

Under Graduate, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Kimya Bölümü, Turkey 1982 - 1986

Dissertations

Doctorate, Çevresel ağır metal kirliliğinin izlenmesinde yeni bir örnek hazırlama yaklaşımı: Ultrasonik leaching, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Kimya Bölümü, 1995

Post Graduate, Bazı doğal sediment ve filizlerin analize hazırlanmasında çözünürleştirme tekniklerinin optimizasyonu, Sivas Cumhuriyet Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Pr., 1990

Research Areas

Natural Sciences

Academic Titles / Tasks

Associate Professor, Sivas Cumhuriyet University, Fen Fakültesi, Kimya Bölümü, 2019 - Continues

Assistant Professor, Sivas Cumhuriyet University, Fen Fakültesi, Kimya Bölümü, 1997 - 2019

Research Assistant, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Kimya Bölümü, 1987 - 1997

Professional Experience

Fakülte Yönetim Kurulu Üyesi, Sivas Cumhuriyet University, Fen Fakültesi, Kimya Bölümü, 2019 - Continues

Member of the Senate, Sivas Cumhuriyet University, Fen Fakültesi, Kimya Bölümü, 2019 - Continues

Vice Dean, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, 2016 - Continues

BAP Scientific Commissioner, Sivas Cumhuriyet University, Fen Fakültesi, Kimya Bölümü, 2017 - 2019

Courses

Elemental Analiz için Atomik Spektroskopi-I, Doctorate, 2018 - 2019

Gerçek Numunelerin Analizi, Post Graduate, 2019 - 2020

Uzmanlık Alan Dersi, Post Graduate, 2019 - 2020

Endüstri Kimyası - II, Under Graduate, 2018 - 2019

Tez Çalışması, Post Graduate, 2018 - 2019

Endüstri Kimyası - II, Under Graduate, 2018 - 2019
Elemental Analiz İçin Atomik Spektroskopi-II, Doctorate, 2018 - 2019
Endüstri Kimyası - I, Under Graduate, 2019 - 2020
Uzmanlık Alan Dersi, Doctorate, 2019 - 2020
Genel Kimya, Under Graduate, 2019 - 2020
Tez Çalışması, Doctorate, 2018 - 2019
Analitik Kimya, Under Graduate, 2019 - 2020
Genel Kimya, Under Graduate, 2019 - 2020
Analitik Kimya-II, Under Graduate, 2018 - 2019
Genel Kimya II, Under Graduate, 2017 - 2018
Analitik Kimya, Under Graduate, 2018 - 2019
ANALİTİK KİMYA, Under Graduate, 2016 - 2017, 2017 - 2018
Bitirme Ödevi/Tezi, Under Graduate, 2018 - 2019
Analitik Kimyada Ultrasound, Doctorate, 2017 - 2018
GENEL KİMYA LAB. I, Under Graduate, 2017 - 2018
Genel Kimya Lab. - II, Under Graduate, 2017 - 2018
ELEMENEL ANALİZ İÇİN ATOMİK SPEKTROSKOPİ-I, Post Graduate, 2017 - 2018
İLERİ ELEKTRO ANALİTİK KİMYA, Post Graduate, 2017 - 2018
Seminer Dersi, Post Graduate, 2017 - 2018
ENDSTRİ KİMYASI II, Under Graduate, 2016 - 2017
GERÇEK NUMUNELERİN ANALİZ, Post Graduate, 2016 - 2017
Genel Kimya Laboratuvarı, Under Graduate, 2017 - 2018
GENEL KİMYA LAB II, Under Graduate, 2016 - 2017
İleri Elektroanalitik Kimya, Post Graduate, 2017 - 2018
Endüstri Kimyası - II, Under Graduate, 2016 - 2017
ÇEVRE KİRLİLİĞİ VE KONTROL METODLARI, Post Graduate, 2016 - 2017
Genel Kimya II, Under Graduate, 2016 - 2017
Çevre Kirliliği ve Kontrol Metodları, Post Graduate, 2016 - 2017
ENDÜSTRİ KİMYASI-I, Under Graduate, 2016 - 2017
Bitirme Ödevi/Tezi, Under Graduate, 2016 - 2017
Genel Kimya Laboratuvarı, Under Graduate, 2016 - 2017
Genel Kimya Laboratuvarı II, Under Graduate, 2015 - 2016
Endüstri Kimyası - I, Under Graduate, 2014 - 2015
Genel Kimya I, Under Graduate, 2013 - 2014
Endüstri Kimyası - I, Under Graduate, 2014 - 2015
Analitik Kimya - II, Under Graduate, 2012 - 2013
Endüstri Kimyası - II, Under Graduate, 2012 - 2013
Analitik Kimya - I, Under Graduate, 2012 - 2013
Genel Kimya Laboratuvarı I, Under Graduate, 2012 - 2013
Korozyon, Under Graduate, 2012 - 2013
Korozyon, Under Graduate, 2012 - 2013
Genel Kimya I, Under Graduate, 2012 - 2013
Endüstri Kimyası - I, Under Graduate, 2012 - 2013
Genel Kimya - II, Under Graduate, 2011 - 2012
Analitik kimya Lab. - II, Under Graduate, 2011 - 2012
Analitik Kimya Lab., Under Graduate, 2009 - 2010
Genel Kimya Laboratuvarı I, Under Graduate, 2010 - 2011
Analitik Kimya Lab., Under Graduate, 2009 - 2010
Analitik kimya Lab. - I, Under Graduate, 2009 - 2010
Elektroanalitik Kimya, Under Graduate, 2009 - 2010
Elektroanalitik Kimya, Under Graduate, 2009 - 2010

Analitik Kimya-I, Under Graduate, 2005 - 2006
Su Kimyası, Under Graduate, 2004 - 2005
Su Kimyası, Under Graduate, 2004 - 2005
Analitik Kimya, Under Graduate, 2004 - 2005
Analitik Kimya-II, Under Graduate, 2003 - 2004

Advising Theses

Elik A., ÇEŞİTLİ İÇECEK ve GIDA ÖRNEKLERİNDE PONCEAU 4R'İNİN BELİRLENMESİ İÇİN YENİ BİR ANALİTİK YÖNTEMİN GELİŞTİRİLMESİ, Post Graduate, S.MERAL(Student), 2019
ELİK A., İlaç DNA etkileşiminin elektrokimyasal sensörler ile incelenmesi ve geliştirilmesi, Post Graduate, E.POLAT(Student), 2016
ELİK A., Anaplasma phagocytophilum'un tayinine yönelik elektrokimyasal DNA sensörü geliştirilmesi ve uygulamaları, Post Graduate, Ç.CEYLAN(Student), 2015
ELİK A., Hibrit Organik-İnorganik Membranların Hazırlanması, Karakterizasyonu ve Atık Su Arıtma İşlemlerinde Uygulanabilirliklerinin İncelenmesi, Doctorate, M.GÜNEY(Student), 2013
ELİK A., Çeşitli gıda örneklerinin alüminyum, silisyum analizleri için hazırlanması, Post Graduate, S.ARSLAN(Student), 2010
ELİK A., Çevresel metal kirliliğinin belirlenmesinde biyo-indikatör olarak biyo-kolektörlerin etkinliğinin araştırılması, Post Graduate, M.GÜNEY(Student), 2007
ELİK A., Gerçek örneklerin analize hazırlanmasında ultrasonik liçing tekniğinin optimizasyonu, Post Graduate, H.GÜNGÖR(Student), 2003
ELİK A., Sivas'ta trafik kökenli ağır metal kirliliğinin izlenmesi, Post Graduate, T.ÇINAR(Student), 2001

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Development of sensitive and accurate solid-phase microextraction procedure for preconcentration of As(III) ions in real samples**
Elik A., Tüzen M., Hazer B., Kaya S., Katina K., Altunay N.
Scientific Reports, vol.1, no.1, pp.1-2, 2021 (Journal Indexed in SCI)
- II. **Optimization of vortex-assisted ionic liquid dispersive liquid-liquid microextraction by experimental design prior to hydride generation atomic absorption spectrometry for determination of selenium species in food, beverage and water samples**
Altunay N., Elik A., Katin K.
JOURNAL OF FOOD COMPOSITION AND ANALYSIS, vol.1, no.1, pp.1-2, 2021 (Journal Indexed in SCI)
- III. **Optimization of an ultrasound-assisted alcohol-based deep eutectic solvent dispersive liquid-phase microextraction for separation and preconcentration of quercetin in wine and food samples with response surface methodology**
Altunay N., Elik A., Ünal Y., Kaya S.
Journal Of Separation Science, vol.1, no.1, pp.1, 2021 (Journal Indexed in SCI)
- IV. **Feasibility of supramolecular nanosized solvent based microsyringe-assisted liquid-phase microextraction for preconcentration and separation of Vitamin B12 from infant formula, food supplement, and dairy products: Spectrophotometric analysis and chemometric optimization**
Altunay N., Elik A., Aydın D.
MICROCHEMICAL JOURNAL, vol.1, no.1, pp.1, 2021 (Journal Indexed in SCI)
- V. **Ultrasound-assisted supramolecular solvent dispersive liquid-liquid microextraction for preconcentration and determination of Cr(VI) in waters and total chromium in beverages and vegetables**
Elik A., Tüzen M., Altunay N.

Journal Of Molecular Liquids, vol.1, pp.1, 2021 (Journal Indexed in SCI)

- VI. **Ultrasound-assisted alkanol-based nanostructured supramolecular solvent for extraction and determination of cadmium in food and environmental samples: Experimental design methodology**
Altunay N., Elik A.
MICROCHEMICAL JOURNAL, vol.1, no.164, pp.0-105958, 2021 (Journal Indexed in SCI)
- VII. **Flame atomic absorption spectrometric determination of total chromium and cadmium in bean samples after ultrasonic-assisted microextraction using ionic liquid Aliquat-336**
Elik A., Karaköy T., Çilesiz Y., Altunay N.
Journal Of The Iranian Chemical Society, vol.1, no.18, pp.117-127, 2021 (Journal Indexed in SCI Expanded)
- VIII. **Ultrasonic-assisted cloud point microextraction and spectrophotometric determination of Ponceau 4R in various beverage samples using nonionic surfactant PONPE 7.5**
Meral S., Elik A.
Food Additives And Contaminants Part A-Chemistry Analysis Control Exposure & Risk Assessment, vol.1, no.1, pp.1, 2021 (Journal Indexed in SCI Expanded)
- IX. **Response surface methodology based on central composite design for optimizing temperature-controlled ionic liquid-based microextraction for the determination of histamine residual in canned fish products**
Elik A.
JOURNAL OF FOOD COMPOSITION AND ANALYSIS, vol.1, no.98, pp.0-103807, 2021 (Journal Indexed in SCI)
- X. **Ionic hydrophobic deep eutectic solvents in developing air-assisted liquid-phase microextraction based on experimental design: Application to flame atomic absorption spectrometry determination of cobalt in liquid and solid samples**
Elik A., Bingöl D., Altunay N.
FOOD CHEMISTRY, vol.1, no.1, pp.1, 2021 (Journal Indexed in SCI)
- XI. **Theoretical and experimental studies aimed at the development of vortex-assisted supramolecular solvent microextraction for determination of nickel in plant samples by FAAS**
Maslov M. M. , ELİK A., DEMİRBAŞ A., Katin K. P. , ALTUNAY N.
MICROCHEMICAL JOURNAL, vol.159, 2020 (Journal Indexed in SCI)
- XII. **Spectrophotometric determination of aflatoxin B1 in food sample: Chemometric optimization and theoretical supports for reaction mechanisms and binding regions**
ALTUNAY N., Katin K. P. , GÜRSOY N., ELİK A., ŞİMŞEK S., KAYA S.
Journal of Food Composition and Analysis, vol.94, 2020 (Journal Indexed in SCI)
- XIII. **A green and efficient vortex-assisted liquid-phase microextraction based on supramolecular solvent for UV-VIS determination of nitrite in processed meat and chicken products**
ALTUNAY N., ELİK A.
FOOD CHEMISTRY, vol.332, 2020 (Journal Indexed in SCI)
- XIV. **A simple and quick ionic liquid-based ultrasonic-assisted microextraction for determination of melamine residues in dairy products: Theoretical and experimental approaches**
ALTUNAY N., ELİK A., KAYA S.
Food Chemistry, vol.326, 2020 (Journal Indexed in SCI)
- XV. **Alcohol-DES based vortex assisted homogenous liquid-liquid microextraction approach for the determination of total selenium in food samples by hydride generation AAS: Insights from theoretical and experimental studies**
ALTUNAY N., ELİK A., KAYA S.
TALANTA, vol.215, 2020 (Journal Indexed in SCI)
- XVI. **Poly(styrene)-co-2-vinylpyridine copolymer as a novel solid-phase adsorbent for determination of manganese and zinc in foods and vegetables by FAAS**
Tüzen M., Elik A., Hazer B., Şimşek S., Altunay N.
FOOD CHEMISTRY, vol.1, no.1, pp.1, 2020 (Journal Indexed in SCI)
- XVII. **Surface decontamination of white cheese by pulsed UV light treatment**
KEKLİK N. M. , ELİK A., SALGIN U., Demirci A., Kocer G.

JOURNAL OF FOOD SAFETY AND FOOD QUALITY-ARCHIV FUR LEBENSMITTELHYGIENE, vol.71, no.4, pp.86-92, 2020 (Journal Indexed in SCI)

- XVIII. **Towards green analysis of curcumin from tea, honey and spices: Extraction by deep eutectic solvent assisted emulsification liquid-liquid microextraction method based on response surface design**
ALTUNAY N., ÜNAL Y., ELİK A.
FOOD ADDITIVES AND CONTAMINANTS PART A-CHEMISTRY ANALYSIS CONTROL EXPOSURE & RISK ASSESSMENT, vol.37, no.6, pp.869-881, 2020 (Journal Indexed in SCI)
- XIX. **Determination of paracetamol in synthetic urea and pharmaceutical samples by shaker-assisted deep eutectic solvent microextraction and spectrophotometry**
Dogan B., ELİK A., ALTUNAY N.
MICROCHEMICAL JOURNAL, vol.154, 2020 (Journal Indexed in SCI)
- XX. **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 (Journal Indexed in SCI)
- XXI. **Usage of the newly synthesized Poly(3-hydroxy butyrate)-b-poly(vinyl benzyl xanthate) block copolymer for vortex-assisted solid-phase microextraction of cobalt (II) and nickel (II) in canned foodstuffs**
Altunay N., Tüzen M., Hazer B., Elik A.
FOOD CHEMISTRY, vol.1, no.1, pp.1-2, 2020 (Journal Indexed in SCI)
- XXII. **Analysis of zinc and chromium in grain samples using ionic-liquid-based ultrasound-assisted microextraction followed by flame-AAS after microwave digestion**
Altunay N., Elik A., Demirbaş A.
Biological Trace Element Research, vol.1, no.1, pp.1, 2020 (Journal Indexed in SCI)
- XXIII. **Simple and green heat-induced deep eutectic solvent microextraction for determination of lead and cadmium in vegetable samples by flame atomic absorption spectrometry: A multivariate study**
Altunay N., Elik A., Bingöl D.
Biological Trace Element Research, vol.1, no.1, pp.1, 2020 (Journal Indexed in SCI)
- XXIV. **Inactivation of Staphylococcus aureus and Escherichia coli O157:H7 on fresh kashar cheese with pulsed ultraviolet light**
KEKLİK N. M. , ELİK A., SALGIN U., Demirci A., Kocer G.
FOOD SCIENCE AND TECHNOLOGY INTERNATIONAL, vol.25, no.8, pp.680-691, 2019 (Journal Indexed in SCI)
- XXV. **Vortex assisted-ionic liquid dispersive liquid-liquid microextraction and spectrophotometric determination of quercetin in tea, honey, fruit juice and wine samples after optimization based on response surface methodology**
ALTUNAY N., Bingol D., ELİK A., GÜRKAN R.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.221, 2019 (Journal Indexed in SCI)
- XXVI. **Innovative and practical deep eutectic solvent based vortex assisted microextraction procedure for separation and preconcentration of low levels of arsenic and antimony from sample matrix prior to analysis by hydride generation-atomic absorption spectrometry**
Altunay N., Elik A., Gürkan R.
FOOD CHEMISTRY, vol.293, pp.378-386, 2019 (Journal Indexed in SCI)
- XXVII. **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 (Journal Indexed in SCI)
- XXVIII. **Development of a chemometric-assisted deep eutectic solvent-based microextraction procedure for extraction of caffeine in foods and beverages**
ELİK A., ÜNAL Y., ALTUNAY N.

FOOD ADDITIVES AND CONTAMINANTS PART A-CHEMISTRY ANALYSIS CONTROL EXPOSURE & RISK ASSESSMENT, vol.36, no.8, pp.1139-1150, 2019 (Journal Indexed in SCI)

- XXIX. **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 (Journal Indexed in SCI)
- XXX. **Developing a new and simple natural deep eutectic solvent based ultrasonic-assisted microextraction procedure for determination and preconcentration of As and Se from rice samples**
ELİK A., DEMİRBAŞ A., ALTUNAY N.
ANALYTICAL METHODS, vol.11, no.27, pp.3429-3438, 2019 (Journal Indexed in SCI)
- XXXI. **Natural deep eutectic solvent-based ultrasound-assisted-microextraction for extraction, preconcentration and analysis of methylmercury and total mercury in fish and environmental waters by spectrophotometry**
ALTUNAY N., ELİK A., GÜRKAN R.
FOOD ADDITIVES AND CONTAMINANTS PART A-CHEMISTRY ANALYSIS CONTROL EXPOSURE & RISK ASSESSMENT, vol.36, no.7, pp.1079-1097, 2019 (Journal Indexed in SCI)
- XXXII. **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 (Journal Indexed in SCI)
- XXXIII. **Ultrasound-Assisted Low-Density Solvent-Based Dispersive Liquid-Liquid Microextraction Coupled to Spectrophotometry for the Determination of Low Levels of Histamine in Fish and Meat Products**
Elik A., Altunay N., Gürkan R.
FOOD ANALYTICAL METHODS, vol.12, no.12, pp.489-502, 2019 (Journal Indexed in SCI)
- XXXIV. **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., ELİK A., GÜRKAN R.
MICROCHEMICAL JOURNAL, vol.147, pp.49-59, 2019 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)
- XXXVI. **Application of simple, fast and eco-friendly ultrasound-assisted-cloud point extraction for preconcentration 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 (Journal Indexed in SCI)
- XXXVII. **Microextraction and preconcentration of Mn and Cd from vegetables, grains and nuts prior to their determination by flame atomic absorption spectrometry using room temperature ionic liquid**
ELİK A., ALTUNAY N., GÜRKAN R.
JOURNAL OF MOLECULAR LIQUIDS, vol.247, pp.262-268, 2017 (Journal Indexed in SCI)
- XXXVIII. **Comparison of Probe with Bath Ultrasonic Leaching Procedures for Preparation to Heavy Metal Analysis of Bio-Collectors Prior to Atomic Absorption Spectrometry**
GÜNEY M., ELİK A.
COMMUNICATIONS IN SOIL SCIENCE AND PLANT ANALYSIS, vol.48, no.15, pp.1741-1752, 2017 (Journal Indexed in SCI)
- XXXIX. **Atomic Absorption Determination of Metals in Superficial Roadside Soils Using Ultrasonic Sample Preparation**
ELİK A.

- ASIAN JOURNAL OF CHEMISTRY, vol.21, no.7, pp.5095-5103, 2009 (Journal Indexed in SCI)
- XL. **Comparison of ultrasound-assisted leaching with conventional and acid bomb digestion for determination of metals in sediment samples**
Gungor H., Elik A.
MICROCHEMICAL JOURNAL, vol.86, no.1, pp.65-70, 2007 (Journal Indexed in SCI)
- XLI. **Ultrasonic-assisted leaching of trace metals from sediments as a function of pH**
Elik A.
TALANTA, vol.71, no.2, pp.790-794, 2007 (Journal Indexed in SCI)
- XLII. **Ultrasound assisted pseudo-digestion of street dust samples prior to determination by atomic absorption spectrometry**
Elik A.
TALANTA, vol.66, no.4, pp.882-888, 2005 (Journal Indexed in SCI)
- XLIII. **Heavy metal accumulation in street dust samples in Sivas**
Elik A.
COMMUNICATIONS IN SOIL SCIENCE AND PLANT ANALYSIS, vol.34, pp.145-156, 2003 (Journal Indexed in SCI)
- XLIV. **Monitoring of heavy metals in urban snow as indicator of atmosphere pollution**
Elik A.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, vol.82, no.1, pp.37-45, 2002 (Journal Indexed in SCI)
- XLV. **Determination of heavy metals in bio-collectors as indicator of environmental pollution**
Cinar T., Elik A.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, vol.82, no.5, pp.321-329, 2002 (Journal Indexed in SCI)
- XLVI. **Sequential Ultrasonic Leaching of Strontium from Sediments**
Elik A., Akçay M.
International Journal Of Environmental Analytical Chemistry, vol.80, no.4, pp.257-267, 2001 (Journal Indexed in SCI)
- XLVII. **Ultrasonic leaching of bio-collectors for heavy metal analysis**
Elik A., Akçay M., Sokmen M.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, vol.77, no.2, pp.133-145, 2000 (Journal Indexed in SCI)
- XLVIII. **Alevli Atomik Absorpsiyon Spektrometrik ve Manganimetrik Yöntemlerle Belirlenmek Üzere Sediment ve Filizlerden Majör Minör ve Eser Düzeydeki Bazı Metallerin Ultrasonik Etki Altında Çözeltiye Alınması**
Elik A., Akçay M., Savaşçı Ş.
Turkish Journal Of Chemistry, vol.15, no.2, pp.130-139, 1991 (Journal Indexed in SCI Expanded)
- XLIX. **EFFECT OF ULTRASONICATION ON EXTRACTION RATE AND ON RECOVERY OF STRONTIUM FROM RIVER SEDIMENT USING FLAME ATOMIC-ABSORPTION SPECTROMETRY**
AKCAY M., ELIK A., SAVASCI S.
ANALYST, vol.114, no.9, pp.1079-1082, 1989 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Interference-free determination of carmine in food samples using ultrasonic assisted cloud point extraction coupled with spectrophotometry**
Elik A.
Cumhuriyet Science Journal, vol.40, no.2, pp.305-316, 2019 (Other Refereed National Journals)
- II. **Development of Electrochemical DNA Sensor for The Determination of Anaplasma Phagocytophilum**
Elik A., Gökçe G., Ceylan Ç.
Cumhuriyet Science Journal, vol.38, no.4, pp.748-758, 2017 (Refereed Journals of Other Institutions)

- III. **Determination of Trace Levels of Nitrite in Beverages Samples Through Micellar Improved Catalytic Kinetic Spectrophotometry**
Elik A., Altunay N., Gürkan R.
Cumhuriyet Science Journal, vol.38, no.3, pp.400-411, 2017 (Refereed Journals of Other Institutions)
- IV. **Electrochemical Determination of Interaction between Anticancer Drug Epirubicin and DNA by DNA Biosensors**
Elik A., Gökçe G., Bostancı E., Kızılluk D.
Cumhuriyet Science Journal, vol.38, no.3, pp.525-534, 2017 (Refereed Journals of Other Institutions)
- V. **Çimento Fabrikası Kaynaklı Metal ve Partikül Kirliliğinin Biyo Toplayıcılarla İzlenmesi**
Elik A.
C.Ü. Fen Bilimleri Dergisi, vol.28, pp.1-11, 2003 (Other Refereed National Journals)
- VI. **Sivas Kenti'nde Ağır Metal Kirliliğinin Yerel Ve Zamansal Değişimi**
Elik A., Akçay M.
Turkish Journal of Engineering and Environmental Sciences, vol.24, no.1, pp.15-24, 2000 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **Optimization of Nickel Ions in Foods by Box-Behnken Design Prior to its Determination by FAAS**
Aydın D., Elik A., Bingöl D., Altunay N.
2nd International Environmental Chemistry Congress, Antalya, Turkey, 31 October - 03 November 2019
- II. **A New Extraction Procedure for the Determination of Ponceau 4R (E124) in Fruit-Flavored Beverages**
Elik A., Meral S.
2 nd International Environmental Chemistry Congress, Antalya, Turkey, 31 October - 03 November 2019, pp.105
- III. **Monitoring of Heavy Metals in Environmental Samples; Bio-Indicators and Applications**
Elik A.
2 nd International Environmental Chemistry Congress, Antalya, Turkey, 31 October - 03 November 2019, pp.44
- IV. **Determination of Lead and Cadmium in Some Honey: A Simple Microextraction Approach**
Altunay N., Elik A.
2nd International Environmental Chemistry Congress, Antalya, Turkey, 31 October - 03 November 2019
- V. **PRECONCENTRATION/SEPARATION OF CD AND CR IN ENVIRONMENTAL WATER SAMPLES BY ULTRASONIC-ASSISTED IONIC LIQUID-BASED MICROEXTRACTION**
Altunay N., Elik A., Meral S.
VIII. UMTEB INTERNATIONAL CONGRESS ON VOCATIONAL TECHNICAL SCIENCES, Sivas, Turkey, 11 - 13 October 2019, pp.165-173
- VI. **Green and inexpensive extraction procedure for determination of lead in honeys by flame atomic absorption spectrometry**
Altunay N., Elik A.
Eurasia 3rd international congress of applied sciences, Sivas, Turkey, 28 - 30 June 2019, pp.146-152
- VII. **DEVELOPMENT OF A NEW ANALYTICAL METHOD FOR THE DETERMINATION OF PONCEAU 4R IN VARIOUS DRINK AND FOOD SAMPLES**
Elik A., Meral S.
3 rd INTERNATIONAL CONGRESS OF APPLIED SCIENCES, Sivas, Turkey, 28 - 30 June 2019, pp.2
- VIII. **ULTRASONIC LEACHING PROCEDURES FOR PREPARATION TO HEAVY METAL ANALYSIS OF Lolium Perenne PRIOR TO FAAS**
Elik A.
3 rd INTERNATIONAL CONGRESS OF APPLIED SCIENCES, Sivas, Turkey, 28 - 30 June 2019, pp.29
- IX. **DEVELOPMENT OF A NEW ANALYTICAL METHOD FOR THE DETERMINATION OF PONCEAU 4R IN VARIOUS DRINK AND FOOD SAMPLES**

ELİK A., MERAL S.

3rd INTERNATIONAL CONGRESS OF APPLIED SCIENCES, 28 - 30 June 2019

- X. **ULTRASONIC LEACHING PROCEDURES FOR PREPARATION TO HEAVY METAL ANALYSIS OF Lolium Perenne PRIOR TO FAAS**
ELİK A.
3rd INTERNATIONAL CONGRESS OF APPLIED SCIENCES, 28 - 30 June 2019
- XI. **Coupling of Ionic Liquid Based Microextraction and Spectrophotometry for Ex-traction, Preconcentration and Determination of Low Levels of Histamine in Fish and Meat Products**
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