

## Prof. Dr. NAİL ALTUNAY

### Kişisel Bilgiler

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### Eğitim Bilgileri

Doktora, Sivas Cumhuriyet Üniversitesi, Fen Bilimleri Enstitüsü, Türkiye 2011 - 2015

Yüksek Lisans, Sivas Cumhuriyet Üniversitesi, Fen Bilimleri Enstitüsü, Fen Bilimleri Enstitüsü, Türkiye 2008 - 2011

Lisans, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Kimya Bölümü, Türkiye 2004 - 2008

### Araştırma Alanları

Analitik Kimya, Kemometri, Spektroskopik Yöntemler, Eser Elementler, Temel Bilimler

### Akademik Unvanlar / Görevler

Prof. Dr., Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2023 - Devam Ediyor

Doç. Dr., Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2021 - 2023

Doç. Dr., Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Biyokimya Bölümü, 2019 - 2021

Doç. Dr., Sivas Cumhuriyet Üniversitesi, Yıldızeli Meslek Yüksekokulu, Tıbbi Hizmetler ve Teknikler Bölümü, 2018 - 2019

Dr. Öğr. Üyesi, Sivas Cumhuriyet Üniversitesi, Yıldızeli Meslek Yüksekokulu, Tıbbi Hizmetler ve Teknikler Bölümü, 2017 - 2018

Öğretim Görevlisi, Sivas Cumhuriyet Üniversitesi, İmranlı Meslek Yüksekokulu, Kimya ve Kimyasal İşleme Teknolojileri, 2015 - 2017

Öğretim Görevlisi, Sivas Cumhuriyet Üniversitesi, İmranlı Meslek Yüksekokulu, Malzeme ve Malzeme İşl.Tekno., 2012 - 2015

### Akademik İdari Deneyim

Enstitü Müdürü, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2024 - Devam Ediyor

Bölüm Başkanı, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2024 - Devam Ediyor

BAP Bilimsel Komisyon Üyesi, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2020 - Devam Ediyor

Enstitü Müdür Yardımcısı, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2022 - 2024

Fakülte Yönetim Kurulu Üyesi, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2019 - 2023

Meslek Yüksekokulu Kurulu Üyesi, Sivas Cumhuriyet Üniversitesi, Yıldızeli Meslek Yüksekokulu, Tıbbi Hizmetler ve Teknikler Bölümü, 2017 - 2019

Bölüm Başkanı, Sivas Cumhuriyet Üniversitesi, Yıldızeli Meslek Yüksekokulu, Tıbbi Hizmetler ve Teknikler Bölümü, 2017 - 2019

Bölüm Başkanı, Sivas Cumhuriyet Üniversitesi, İmranlı Meslek Yüksekokulu, Kimya ve Kimyasal İşleme Teknolojileri, 2016

- 2017

Meslek Yüksekokulu Kurulu Üyesi, Sivas Cumhuriyet Üniversitesi, İmranlı Meslek Yüksekokulu, Kimya ve Kimyasal İşleme Teknolojileri, 2014 - 2017

Bölüm Başkanı, Sivas Cumhuriyet Üniversitesi, İmranlı Meslek Yüksekokulu, Malzeme ve Malzeme İşl.Tekno., 2014 - 2016

Meslek Yüksekokulu Yönetim Kurulu Üyesi, Sivas Cumhuriyet Üniversitesi, İmranlı Meslek Yüksekokulu, Kimya ve Kimyasal İşleme Teknolojileri, 2013 - 2016

MYO Müdür Yardımcısı, Sivas Cumhuriyet Üniversitesi, İmranlı Meslek Yüksekokulu, 2013 - 2016

Mevlana Değişim Programı Koordinatörü, Sivas Cumhuriyet Üniversitesi, İmranlı Meslek Yüksekokulu, Kimya ve Kimyasal İşleme Teknolojileri, 2014 - 2015

Erasmus Koordinatörü, Sivas Cumhuriyet Üniversitesi, İmranlı Meslek Yüksekokulu, Kimya ve Kimyasal İşleme Teknolojileri, 2013 - 2014

## Verdiği Dersler

### Yüksek Lisans

Kompleks Matrislerin Analitik Kimyası, Yüksek Lisans, 2023 - 2024

Çevresel Analiz İçin İşlemler ve Yöntem Doğrulama, Yüksek Lisans, 2023 - 2024

Analitik Kimyada Kemometrik Yöntemler, Yüksek Lisans, 2023 - 2024

Kimyasal Analizde Önışlemler, Yüksek Lisans, 2022 - 2023

Analitik Kimyada Kemometrik Yöntemler, Yüksek Lisans, 2022 - 2023

Adli Bilimlerde Analitik Kimya, Yüksek Lisans, 2022 - 2023

Uzmanlık Alan Dersi, Yüksek Lisans, 2022 - 2023

Kimyasal Analizde Önışlemler, Yüksek Lisans, 2022 - 2023

### Lisans

Elementler Kimyası, Lisans, 2023 - 2024

Bitirme Ödevi/Tezi, Lisans, 2023 - 2024

Analitik kimya Lab. - II, Lisans, 2022 - 2023

Analitik Kimya-I, Lisans, 2022 - 2023

Genel Kimya I, Lisans, 2021 - 2022

Ekolojik Biyokimya, Lisans, 2021 - 2022

Çevre Kimyasına Giriş, Lisans, 2021 - 2022

### Ön Lisans

Temel Biyokimya, Ön Lisans, 2018 - 2019

Biyoanalitik Kimya, Ön Lisans, 2018 - 2019

Toprak Kimyası ve Analizleri, Ön Lisans, 2018 - 2019

Laboratuvar Kimyası, Ön Lisans, 2018 - 2019

Temel Tıbbi Laboratuvar Teknikleri, Ön Lisans, 2017 - 2018

Analitik Kimya, Ön Lisans, 2018 - 2019

Bilimsel ve Kültürel Etkinlikler, Ön Lisans, 2017 - 2018

Medikal Cihazlar ve Çalışma Prensipleri, Ön Lisans, 2018 - 2019

Enstrümantal Analiz, Ön Lisans, 2017 - 2018

Enstümantal Analiz Lab., Ön Lisans, 2017 - 2018

Analitik Kimya, Ön Lisans, 2016 - 2017

Ayrırma ve Zenginleştirme Yöntemleri, Ön Lisans, 2016 - 2017

Kimyasal Analizde Temel İlkeler, Ön Lisans, 2017 - 2018

Endüstriyel Hijyen, Ön Lisans, 2015 - 2016

Kimyasallar ve Tehlikeleri, Ön Lisans, 2015 - 2016

Genel Kimya - I, Ön Lisans, 2016 - 2017

İstatistik, Ön Lisans, 2013 - 2014

## Jüri Üyelikleri

Tez Savunma (Yüksek Lisans), Tez Savunma (Yüksek Lisans), Sivas Cumhuriyet Üniversitesi, Kasım, 2019  
Tez Savunma (Doktora), Tez Savunma (Doktora), Tokat Gaziosmanpaşa Üniversitesi, Ekim, 2019  
Tez Savunma (Yüksek Lisans), Tez Savunma (Yüksek Lisans), Sivas Cumhuriyet Üniversitesi, Eylül, 2019  
Tez Savunma (Yüksek Lisans), Tez Savunma (Yüksek Lisans), Sivas Cumhuriyet Üniversitesi, Haziran, 2019  
Tez Savunma (Yüksek Lisans), Tez Savunma (Yüksek Lisans), Tokat Gaziosmanpaşa Üniversitesi, Nisan, 2019  
Akademik Personel Sınavı, Akademik Personel Sınavı, Sivas Cumhuriyet Üniversitesi, Aralık, 2018  
Akademik Kadroya Atama-Yardımcı Doçentlik, Akademik Kadroya Atama, Sivas Cumhuriyet Üniversitesi, Şubat, 2018

## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Ultrasound-assisted dispersive micro solid phase extraction of maneb in water and food samples with new hybrid block copolymer material prior to micro-spectrophotometric analysis**  
ALTUNAY N., Hazer B., Lanjwani M. F., Tuzen M.  
Food Chemistry, cilt.463, 2025 (SCI-Expanded)
- II. **Spectrophotometric determination of chlorpyrifos in foodstuffs after vortex-assisted surfactant-enhanced emulsification microextraction using magnetic deep eutectic solvents: Analytical greenness profile**  
ALTUNAY N., ELİK A., Ul Haq H., Boczkaj G.  
Journal of Food Composition and Analysis, cilt.137, 2025 (SCI-Expanded)
- III. **Magnetic deep eutectic solvents for vortex-assisted liquid phase microextraction method for selective and green extraction of patulin from fruits and fruit juices**  
Haq H. U., Boczkaj G., ALTUNAY N.  
Microchemical Journal, cilt.208, 2025 (SCI-Expanded)
- IV. **Vortex-assisted dispersive solid-phase microextraction of manganese in food samples by using newly synthesized biodegradable poly (3-hydroxy butyrate) diethanol amine**  
ALTUNAY N., Hazer B., Lanjwani M. F., Tuzen M.  
Journal of Food Composition and Analysis, cilt.136, 2024 (SCI-Expanded)
- V. **Investigation of magnetic ionic liquids for selective and rapid extraction of gallic acid from complex samples using experimental, statistical modeling and density functional theory studies**  
FESLİYAN S., Maslov M. M., Sanaullah S., ALTUNAY N., BATIR G. G.  
Food Chemistry, cilt.460, 2024 (SCI-Expanded)
- VI. **Deep eutectic solvent-based sonication assisted dispersive liquid-liquid microextraction using Box-Behnken optimization for the determination of patent blue V in food and drug samples**  
Demir A., FESLİYAN S., ALTUNAY N., SOYLAK M.  
Journal of Food Composition and Analysis, cilt.135, 2024 (SCI-Expanded)
- VII. **Investigation of ternary hydrophobic magnetic deep eutectic solvents for the selective extraction of acrylamide from processed food samples: Ultrasonic-assisted dispersive liquid-liquid microextraction and chemometric optimization**  
ELİK A., Ul Haq H., FESLİYAN S., ALTUNAY N.  
Journal of Molecular Liquids, cilt.411, 2024 (SCI-Expanded)
- VIII. **Development of an orbital shaker-assisted fatty acid-based switchable solvent microextraction procedure for rapid and green extraction of amoxicillin from complex matrices: Central composite design**  
ELİK A., Demirkol Y., Ul Haq H., Boczkaj G., Sanaullah S., ALTUNAY N.  
Food Chemistry, cilt.454, 2024 (SCI-Expanded)
- IX. **Investigation of use of hydrophilic/hydrophobic NADESs for selective extraction of As(III) and Sb(III) ions in vegetable samples: Air assisted liquid phase microextraction and chemometric optimization**

ELİK A., Doğan B., DEMİRBAŞ A., Haq H. U., Sanauallah S., ALTUNAY N.

Food Chemistry, cilt.451, 2024 (SCI-Expanded)

- X. **Optimization of deep eutectic solvent based ultrasonic assisted microextraction for determination of zearalenone residues in foods**  
ELİK A., ALTUNAY N.  
Journal of Food Composition and Analysis, cilt.132, 2024 (SCI-Expanded)
- XI. **Development of a vortex-assisted switchable-hydrophilicity solvent-based liquid phase microextraction for fast and reliable extraction of Zn (II), Fe (II), Pb (II), and Cd (II) from various baby food products**  
Ul Haq H., ELİK A., Isci G., Ekici M., GÜR SOY N., Boczkaj G., ALTUNAY N.  
Food Chemistry, cilt.447, 2024 (SCI-Expanded)
- XII. **Green DES based microextraction method for monitoring brilliant black BN (E151) in diverse food matrices**  
Babur E., ALTUNAY N., Taner Bişgin A.  
Microchemical Journal, cilt.202, 2024 (SCI-Expanded)
- XIII. **Rapid and safe determination of vitamin B1 in dairy products, fruits, nuts and vitamin tablets: Combination of natural deep eutectic solvents, experimental design and artificial intelligence**  
YÜKSEK A. G., ELİK A., ALTUNAY N.  
Journal of Food Composition and Analysis, cilt.131, 2024 (SCI-Expanded)
- XIV. **Preparation and investigation of green and cheap deep eutectic solvents for determination of essential and toxic metal ions at trace levels in different coffee products**  
ELİK A., ALTUNAY N.  
Sustainable Chemistry and Pharmacy, cilt.39, 2024 (SCI-Expanded)
- XV. **Optimization of vortex-assisted magnetic nanofluid based liquid phase microextraction for fast, green and reliable extraction of ibuprofen from real samples: Multivariate approach**  
Çeçe B., Tüzen M., ALTUNAY N.  
Sustainable Chemistry and Pharmacy, cilt.39, 2024 (SCI-Expanded)
- XVI. **Investigation of different solvents for selective, safe and rapid extraction of curcumin from various food and herbal supplement products: Multivariate strategy and assessment of green profile**  
Ablak Ö., ALTUNAY N.  
Microchemical Journal, cilt.200, 2024 (SCI-Expanded)
- XVII. **Quality control of cheese samples for the presence of natamycin preservative – A natural deep eutectic solvent (NADES) based extraction coupled with HPLC**  
Haq H. U., ALTUNAY N., Tuzen M., Boczkaj G.  
Journal of Food Composition and Analysis, cilt.129, 2024 (SCI-Expanded)
- XVIII. **Sustainable vortex assisted liquid phase microextraction based on fatty acid switchable solvent for selective and accurate analysis of manganese in food samples**  
ELİK A., GÜR SOY N., ALTUNAY N.  
Chemical Papers, cilt.78, sa.5, ss.3261-3272, 2024 (SCI-Expanded)
- XIX. **Sensitive method for determination of benzoic acid in beverages and food samples using air-assisted hydrophobic deep eutectic solvent-based dispersive liquid-liquid microextraction**  
ALTUNAY N., Lanjwani M. F., Haq H. U., Tuzen M., ELİK A.  
Sustainable Chemistry and Pharmacy, cilt.38, 2024 (SCI-Expanded)
- XX. **Synthesis, characterization and application of cross-linked functional terpolymer through epoxy group as sorbent for extraction of cadmium from waters and foods: Multivariate optimization**  
Yılmaz E., BOZTUĞ A., Ul Haq H., Boczkaj G., ALTUNAY N.  
Food Chemistry, cilt.435, 2024 (SCI-Expanded)
- XXI. **Investigation of vortex assisted magnetic deep eutectic solvent based dispersive liquid-liquid microextraction for separation and determination of vanadium from water and food matrices: Multivariate analysis**  
ALTUNAY N., Farooque Lanjwani M., Tuzen M., Boczkaj G.

- Journal of Molecular Liquids, cilt.396, 2024 (SCI-Expanded)
- XXII. **A homogeneous liquid–liquid microextraction based on temperature-controlled ionic liquid for the accurate and selective determination at low levels of zineb residues in foodstuff by using experimental design**  
ALTUNAY N., Tuzen M., Lanjwani M. F.  
International Journal of Environmental Analytical Chemistry, cilt.104, sa.19, ss.7427-7440, 2024 (SCI-Expanded)
- XXIII. **Magnetic hydrophobic deep eutectic solvents for orbital shaker-assisted dispersive liquid-liquid microextraction (MAGDES-OS-DLLME) - Determination of nickel and copper in food and water samples by FAAS**  
ELİK A., Haq H. U., Boczkaj G., FESLİYAN S., Ablak Ö., ALTUNAY N.  
Journal of Food Composition and Analysis, cilt.125, 2024 (SCI-Expanded)
- XXIV. **Application of chemometric modeling for ionic liquid-based ultrasonic-assisted dispersive liquid-liquid microextraction: Analysis of fosetyl-aluminum in fruit and vegetable samples**  
Haq H. U., ELİK A., DURUKAN H., SARAÇ H., DEMİRBAŞ A., Boczkaj G., GÜRSOY N., ALTUNAY N.  
Journal of Food Composition and Analysis, cilt.124, 2023 (SCI-Expanded)
- XXV. **Combination of homogeneous liquid–liquid extraction and vortex assisted dispersive liquid–liquid microextraction for the extraction and analysis of ochratoxin A in dried fruit samples: Central composite design optimization**  
ELİK A., Ablak Ö., Haq H. U., Boczkaj G., ALTUNAY N.  
Journal of Food Composition and Analysis, cilt.124, 2023 (SCI-Expanded)
- XXVI. **An air-assisted dispersive liquid phase microextraction method based on a hydrophobic magnetic deep eutectic solvent for the extraction and preconcentration of melamine from milk and milk-based products**  
ELİK A., FESLİYAN S., GÜRSOY N., Haq H. U., Castro-Muñoz R., ALTUNAY N.  
Food Chemistry, cilt.426, 2023 (SCI-Expanded)
- XXVII. **Optimization of vortex-assisted hydrophobic magnetic deep eutectic solvent-based dispersive liquid phase microextraction for quantification of niclosamide in real samples**  
ALTUNAY N., Ul Haq H., Castro-Muñoz R.  
Food Chemistry, cilt.426, 2023 (SCI-Expanded)
- XXVIII. **Ultrasound assisted dispersive solid phase microextraction using polystyrene-polyoleic acid graft copolymer for determination of Sb(III) in various bottled beverages by HGAAS**  
ALTUNAY N., Hazer B., Farooque Lanjwani M., Tuzen M., Ul Haq H., Boczkaj G.  
Food Chemistry, cilt.425, 2023 (SCI-Expanded)
- XXIX. **A chemometric-based sonication-assisted liquid-liquid microextraction for analysis of sulfadiazine in dairy products and honey using low viscous hydrophobic deep eutectic solvents**  
Taşpınar H., ALTUNAY N.  
Microchemical Journal, cilt.193, 2023 (SCI-Expanded)
- XXX. **Ultra-Sensitive Determination of Cadmium in Food and Water by Flame-AAS after a New Polyvinyl Benzyl Xanthate as an Adsorbent Based Vortex Assisted Dispersive Solid-Phase Microextraction: Multivariate Optimization**  
ALTUNAY N., Hazer B., Lanjwani M. F., Tuzen M.  
Foods, cilt.12, sa.19, 2023 (SCI-Expanded)
- XXXI. **Ultrasound-assisted dispersive liquid-liquid microextraction based on solidification of floating organic drop for analysis of propineb in water and food samples: Experimental modeling**  
ELİK A., ALTUNAY N.  
Sustainable Chemistry and Pharmacy, cilt.35, 2023 (SCI-Expanded)
- XXXII. **Combination of doped amorphous carbon based dispersive solid phase extraction with ionic liquid-based DLLME for the extraction of aromatic amines from leather industries wastewater; Theoretical and experimental insights**  
Nemati M., Farajzadeh M. A., ALTUNAY N., Tuzen M., KAYA S., Maslov M. M., Afshar Mogaddam M. R.  
Journal of Molecular Structure, cilt.1281, 2023 (SCI-Expanded)

- XXXIII. **Experimental and theoretical observations in a mixed mode dispersive solid phase extraction of exogenous surfactants from exhaled breath condensate prior to HPLC-MS/MS analysis**  
Khoubnasabjafari M., ALTUNAY N., Tuzen M., KAYA S., Katin K. P., Farajzadeh M. A., Hosseini M., Afshar Mogaddam M. R., Jouyban A.  
Journal of Molecular Structure, cilt.1281, 2023 (SCI-Expanded)
- XXXIV. **Preparation of fatty acid-based ternary deep eutectic solvents: Application for determination of tetracycline residue in water, honey and milk samples by using vortex-assisted microextraction**  
Lanjwani M. F., ALTUNAY N., Tuzen M.  
Food Chemistry, cilt.400, 2023 (SCI-Expanded)
- XXXV. **Optimization of vortex-assisted switchable hydrophilicity solvent liquid phase microextraction for the selective extraction of vanillin in different matrices prior to spectrophotometric analysis**  
ELİK A., ALTUNAY N.  
Food Chemistry, cilt.399, 2023 (SCI-Expanded)
- XXXVI. **Determination and extraction of acrylamide in processed food samples using alkanol-based supramolecular solvent-assisted dispersive liquid-liquid microextraction coupled with spectrophotometer: Optimization using factorial design**  
ALTUNAY N., ELİK A., Tuzen M., Lanjwani M. F., Mogaddam M. R. A.  
Journal of Food Composition and Analysis, cilt.115, 2023 (SCI-Expanded)
- XXXVII. **Optimization of [P6,6,6,14+]3[GdCl63-] magnetic ionic liquid assisted dispersive liquid-liquid microextraction for selective and sensitive determination of cadmium in environmental water and food**  
Doğan B., ALTUNAY N.  
Food Additives and Contaminants - Part A, cilt.40, sa.12, ss.1600-1613, 2023 (SCI-Expanded)
- XXXVIII. **Experimental design of magnetic ionic liquid ultrasound-assisted dispersive liquid-liquid microextraction for the determination of 5-HMF in honey samples**  
ALTUNAY N.  
JOURNAL OF FOOD COMPOSITION AND ANALYSIS, cilt.114, 2022 (SCI-Expanded)
- XXXIX. **Application of levulinic acid-based natural deep eutectic solvents for extraction and determination of deltamethrin in food samples**  
ELİK A., DURUKAN H., SARAÇ H., DEMİRBAŞ A., ALTUNAY N.  
SUSTAINABLE CHEMISTRY AND PHARMACY, cilt.30, 2022 (SCI-Expanded)
- XL. **Optimization of a rapid and sensitive ultrasound-assisted liquid-liquid microextraction using switchable hydrophilicity solvent for extraction of  $\beta$ -carotene in fruit juices and vegetables**  
ALTUNAY N., Tuzen M., Lanjwani M. F., Mogaddam M. R. A.  
Journal of Food Composition and Analysis, cilt.114, 2022 (SCI-Expanded)
- XLI. **Chemometric design-based optimization of a green, selective and inexpensive switchable hydrophilicity solvent-based liquid phase microextraction procedure for pre-concentration and extraction of sulfadiazine in milk, honey and water samples**  
Altunay N.  
FOOD CHEMISTRY, cilt.394, sa.394, ss.133540, 2022 (SCI-Expanded)
- XLII. **Synthesized of poly(vinyl benzyl dithiocarbonate-dimethyl amino ethyl methacrylate) block copolymer as adsorbent for the vortex-assisted dispersive solid phase microextraction of patulin from apple products and dried fruits**  
TÜZEN M., Hazer B., ELİK A., ALTUNAY N.  
FOOD CHEMISTRY, cilt.395, 2022 (SCI-Expanded)
- XLIII. **Synthesized of a novel xanthate functionalized polypropylene as adsorbent for dispersive solid phase microextraction of caffeine using orbital shaker in mixed beverage matrices**  
Altunay N., Tuzen M., Hazer B., Elik A.  
Food Chemistry, cilt.393, 2022 (SCI-Expanded)
- XLIV. **Application of a new dithizone grafted polymeric adsorbent for solid phase microextraction of manganese and copper prior to FAAS in fortified vegetables and barbecue samples**

Ulusoy S., Demirbaş A., Elik A., Altunay N., Sarp G., Yılmaz E., Ulusoy H. İ.

CHEMICAL PAPERS, cilt.76, sa.10, ss.6153-6165, 2022 (SCI-Expanded)

- XLV. **Vortex assisted magnetic ionic liquid based dispersive liquid-liquid microextraction approach for determination of metribuzin in some plant samples with UV-Vis spectrophotometer**  
ELİK A., SARAÇ H., DURUKAN H., DEMİRBAŞ A., ALTUNAY N.  
MICROCHEMICAL JOURNAL, cilt.181, 2022 (SCI-Expanded)
- XLVI. **Chemometric approach for the spectrophotometric determination of chloramphenicol in various food matrices: Using natural deep eutectic solvents**  
Elik A., Altunay N.  
Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, cilt.276, 2022 (SCI-Expanded)
- XLVII. **Assessment of arsenic in water, rice and honey samples using new and green vortex-assisted liquid phase microextraction procedure based on deep eutectic solvent: Multivariate study**  
ALTUNAY N., ELİK A., Farooque Lanjwani M., Tuzen M.  
Microchemical Journal, cilt.179, 2022 (SCI-Expanded)
- XLVIII. **Experimental and density functional theoretical modeling of triazole pesticides extraction by Ti2C nanosheets as a sorbent in dispersive solid phase extraction method before HPLC-MS/MS analysis**  
Marzi Khosrowshahi E., Afshar Mogaddam M. R., Javadzadeh Y., ALTUNAY N., Tuzen M., KAYA S., Ghalkhani M., Farajzadeh M. A., Nemati M.  
Microchemical Journal, cilt.178, 2022 (SCI-Expanded)
- XLIX. **Optimization of magnetic ionic based dispersive liquid-liquid microextraction of cadmium in water and food samples using experimental design prior to flame atomic absorption spectrophotometry**  
Elik A., Altunay N.  
Sustainable Chemistry and Pharmacy, cilt.27, 2022 (SCI-Expanded)
- L. **Experimental and density functional theory studies during a new solid phase extraction of phenolic compounds from wastewater samples prior to GC-MS determination**  
Farajzadeh M. A., Nemati M., ALTUNAY N., Tuzen M., KAYA S., Kheradmand F., Afshar Mogaddam M. R.  
Microchemical Journal, cilt.177, 2022 (SCI-Expanded)
- LI. **In-situ sorbent formation for the extraction of pesticides from honey**  
Nemati M., Altunay N., Tüzen M., Farajzadeh M. A., Afshar Mogaddam M. R.  
JOURNAL OF SEPARATION SCIENCE, cilt.1, sa.1, ss.1, 2022 (SCI-Expanded)
- LII. **Theoretical and experimental insights about the adsorption of uranyl ion on a new designed Vermiculite-Polymer composite**  
Şimşek S., Kaya S., Mine Şenol Z. M., Ulusoy H. İ., Katin K., Özer A., Altunay N., Brahmia A.  
Journal of Molecular Liquids, cilt.352, 2022 (SCI-Expanded)
- LIII. **Factorial design, physical studies and rapid arsenic adsorption using newly prepared polymer modified perlite adsorbent**  
A.Saleh T., Tüzen M., Sarı A., Altunay N.  
CHEMICAL ENGINEERING RESEARCH AND DESIGN, cilt.1, sa.1, ss.1, 2022 (SCI-Expanded)
- LIV. **Development of sodium hydroxide-induced homogenous liquid-liquid extraction-effervescent assisted dispersive liquid-liquid microextraction based on deep eutectic solvents; Application in the extraction of phytosterols from cow cream samples**  
Nemati M., Tüzen M., Altunay N., Farajzadeh M. A., Abdi F., Afshar Mogaddam M. R.  
JOURNAL OF FOOD COMPOSITION AND ANALYSIS, cilt.1, sa.106, ss.104291, 2022 (SCI-Expanded)
- LV. **Synthesis, characterization, and application of polyacrylamide/carmine polymer nanomaterial as an effective solid-phase material for ultrasonic-assisted solid-phase microextraction of aluminum and chromium in vegetable samples**  
Ulusoy S., Elik A., Ulusoy H. İ., Şimşek S., Altunay N.  
CHEMICAL PAPERS, cilt.76, sa.3, ss.1553-1565, 2022 (SCI-Expanded)
- LVI. **Experimental design of ligandless sonication-assisted liquid- phases microextraction based on hydrophobic deep eutectic solvents for accurate determination of Pb(II) and Cd(II) from waters and food samples at trace levels**

ELİK A., DEMİRBAŞ A., ALTUNAY N.

FOOD CHEMISTRY, cilt.371, 2022 (SCI-Expanded)

- LVII. Air-Assisted Alkanol-Based Nanostructured Supramolecular Liquid-Liquid Microextraction for Extraction and Spectrophotometric Determination of Morin in Fruit and Beverage Samples**  
Demir Ö., Tüzen M., Altunay N., Afshar Mogaddam M. R.  
FOOD ANALYTICAL METHODS, cilt.166, ss.1, 2022 (SCI-Expanded)
- LVIII. Synthesis of carbon modified with polymer of diethylenetriamine and trimesoyl chloride for the dual removal of Hg (II) and methyl mercury ([CH<sub>3</sub>Hg]<sup>+</sup>) from wastewater: Theoretical and experimental analyses**  
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- LIX. Ultrasonic-assisted dispersive liquid-liquid microextraction based on hydrophilic deep eutectic solvents: Application to lead and cadmium monitoring in water and food samples**  
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- LX. Optimization and application of ultrasound-assisted sugar based deep eutectic solvent dispersive liquid-liquid microextraction for the determination and extraction of aflatoxin M1 in milk samples**  
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- LXI. Headspace  $\mu$ -solid phase extraction of 1,4-dioxane and 2-methyl-1,3-dioxolane from shampoo samples in a home-mode device and large volume injection of deep eutectic solvent: theoretical and experimental studies**  
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- LXII. Tergitol@SiO<sub>2</sub>@Fe<sub>3</sub>O<sub>4</sub> magnetic nano-material and experimental design methodology: An effective and selective adsorbent for solid phase microextraction and flame atomic absorption spectrometric analysis of lead in different matrixes**  
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- LXIX. **Investigations of Hg(II) analysis in real samples via computational chemistry, experimental design, and green microextraction approach**  
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- LXXI. **Ultrasound-assisted alkanol-based nanostructured supramolecular solvent for extraction and determination of cadmium in food and environmental samples: Experimental design methodology**  
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- LXXII. **Ultrasound-assisted supramolecular solvent dispersive liquid-liquid microextraction for preconcentration and determination of Cr(VI) in waters and total chromium in beverages and vegetables**  
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- LXXIII. **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**  
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- LXXIV. **A new analytical approach for preconcentration, separation and determination of Pb(II) and Cd(II) in real samples using a new adsorbent: Synthesis, characterization and application**  
Altunay N., Hazer B., Tüzen M., Elik A.  
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- LXXV. **Optimization of green and rapid analytical procedure for the extraction of patulin in fruit juice and dried fruit samples by air-assisted natural deep eutectic solvent-based solidified homogeneous liquid phase microextraction using experimental design and computational chemistry approach**  
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- LXXVI. **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.  
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- LXXVII. **Development of sensitive and accurate solid-phase microextraction procedure for preconcentration of As(III) ions in real samples**  
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Altunay N., Elik A., Aydın D.

- MICROCHEMICAL JOURNAL, cilt.165, sa.165, ss.106105, 2021 (SCI-Expanded)
- LXXXIX. **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.  
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- LXXX. **Poly(styrene)-co-2-vinylpyridine copolymer as a novel solid-phase adsorbent for determination of manganese and zinc in foods and vegetables by FAAS**  
Tuzen M., ELİK A., Hazer B., ŞİMŞEK S., ALTUNAY N.  
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- LXXXI. **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.  
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- LXXXII. **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.  
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- LXXXIII. **Theoretical and experimental studies aimed at the development of vortex-assisted supramolecular solvent microextraction for determination of nickel in plant samples by FAAS**  
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- LXXXIV. **Determination of Se content of 78 sesame accessions with different geographical origin**  
KURT C., DEMİRBAŞ A., Nawaz M. A., Chung G., Baloch F. S., ALTUNAY N.  
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- LXXXV. **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, cilt.326, 2020 (SCI-Expanded)
- LXXXVI. **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.  
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- LXXXVII. **Ultrasonic-assisted supramolecular solvent liquid-liquid microextraction for determination of manganese and zinc at trace levels in vegetables: Experimental and theoretical studies**  
Altunay N., Katin K. P.  
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- LXXXVIII. **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**  
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- LXXXIX. **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, cilt.154, 2020 (SCI-Expanded)
- XC. **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, cilt.310, 2020 (SCI-Expanded)
- XCI. **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, cilt.321, sa.321, ss.126690, 2020 (SCI-Expanded)

- XCII. **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.  
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- XCIII. **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.  
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- XCIV. **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., Bingöl D., Elik A., Gürkan R.  
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- XCV. **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, cilt.293, ss.378-386, 2019 (SCI-Expanded)
- XCVI. **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, cilt.82, 2019 (SCI-Expanded)
- XCVII. **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, cilt.36, sa.8, ss.1139-1150, 2019 (SCI-Expanded)
- XCVIII. **A Simple and Green Microextraction Procedure for Extraction of Morin in Food and Beverages Using Ionic Liquid**  
ALTUNAY N., ELİK A., GÜRKAN R.  
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- XCIX. **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, cilt.11, sa.27, ss.3429-3438, 2019 (SCI-Expanded)
- C. **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., Elik A., Gürkan R.  
FOOD ADDITIVES AND CONTAMINANTS PART A-CHEMISTRY ANALYSIS CONTROL EXPOSURE & RISK ASSESSMENT, cilt.36, sa.7, ss.1079-1097, 2019 (SCI-Expanded)
- CI. **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, cilt.147, ss.49-59, 2019 (SCI-Expanded)

- CII. **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, cilt.147, ss.999-1009, 2019 (SCI-Expanded)
- CIII. **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, cilt.147, ss.277-285, 2019 (SCI-Expanded)
- CIV. **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.  
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- CV. **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.  
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- CVI. **Development of vortex-assisted ionic liquid-dispersive microextraction methodology for vanillin monitoring in food products using ultraviolet-visible spectrophotometry**  
Altunay N.  
LWT-FOOD SCIENCE AND TECHNOLOGY, cilt.93, sa.93, ss.9-15, 2018 (SCI-Expanded)
- CVII. **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.  
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- CVIII. **Anticorrosive Effects of Some Thiophene Derivatives Against the Corrosion of Iron: A Computational Study**  
Guo L., Safi Z. S., KAYA S., Shi W., TÜZÜN B., ALTUNAY N., KAYA C.  
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- CIX. **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, cilt.245, ss.586-594, 2018 (SCI-Expanded)
- CX. **Utility of ultrasound assisted-cloud point extraction and spectrophotometry as a preconcentration and determination tool for the sensitive quantification of mercury species in fish samples**  
ALTUNAY N.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, cilt.189, ss.167-175, 2018 (SCI-Expanded)
- CXI. **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.  
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- CXII. **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, cilt.35, sa.6, ss.1139-1154, 2018 (SCI-Expanded)
- CXIII. **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, cilt.35, sa.2, ss.222-232, 2018 (SCI-Expanded)
- CXIV. **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, cilt.247, ss.262-268, 2017 (SCI-Expanded)
- CXV. **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, cilt.235, ss.308-317, 2017 (SCI-Expanded)
- CXVI. **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, cilt.86, sa.86, ss.352-360, 2017 (SCI-Expanded)
- CXVII. **A New Ultrasonic Thmostatic-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**  
Yıldırım E., Gürkan R., Altunay N.  
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- CXVIII. **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, cilt.14, sa.5, ss.1033-1049, 2017 (SCI-Expanded)
- CXIX. **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., Olgaç E.  
Food Analytical Methods, cilt.10, sa.10, ss.2194-2206, 2017 (SCI-Expanded)
- CXX. **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, cilt.34, sa.3, ss.390-403, 2017 (SCI-Expanded)
- CXXI. **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, cilt.161, ss.143-150, 2016 (SCI-Expanded)
- CXXII. **Combination of Ultrasonic-Assisted Cloud Point Extraction with Flame AAS for Preconcentration and Determination of Trace Amounts of Silver and Cadmium in Dried Nut and Vegetable Samples**  
GÜRKAN R., ALTUNAY N., Yildirim E.  
FOOD ANALYTICAL METHODS, cilt.9, sa.11, ss.3218-3229, 2016 (SCI-Expanded)
- CXXIII. **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, cilt.159, ss.344-355, 2016 (SCI-Expanded)
- CXXIV. **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, cilt.9, sa.9, ss.950-965, 2016 (SCI-Expanded)

- CXXV. **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, cilt.155, ss.38-46, 2016 (SCI-Expanded)
- CXXVI. **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, cilt.9, sa.9, ss.505-518, 2016 (SCI-Expanded)
- CXXVII. **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, cilt.33, sa.7, ss.1127-1138, 2016 (SCI-Expanded)
- CXXVIII. **A New Ultrasound Assisted-Cloud Point Extraction Method for the Determination of Trace Levels of Tin and Antimony in Food and Beverages by Flame Atomic Absorption Spectrometry**  
Altunay N., Gürkan R., Yıldırım E.  
Food Analytical Methods, cilt.9, sa.9, ss.2960-2971, 2016 (SCI-Expanded)
- CXXIX. **Ultrasound assisted extraction and spectrophotometric determination of trace selenium in water, food and vegetable samples**  
ALTUNAY N., GÜRKAN R., Gunes M.  
ANALYTICAL METHODS, cilt.8, sa.46, ss.8208-8218, 2016 (SCI-Expanded)
- CXXX. **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, cilt.8, sa.12, ss.2673-2683, 2016 (SCI-Expanded)
- CXXXI. **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, cilt.8, sa.25, ss.5142-5151, 2016 (SCI-Expanded)
- CXXXII. **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, cilt.33, sa.2, ss.259-270, 2016 (SCI-Expanded)
- CXXXIII. **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, cilt.6, sa.25, ss.20961-20970, 2016 (SCI-Expanded)
- CXXXIV. **Ultrasound-assisted cloud point extraction of manganese, zinc and tin from digested food samples for their determination by FAAS**  
ALTUNAY N., GÜRKAN R., Korkmaz S.  
ANALYTICAL METHODS, cilt.8, sa.30, ss.5930-5939, 2016 (SCI-Expanded)
- CXXXV. **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, cilt.33, sa.2, ss.271-281, 2016 (SCI-Expanded)
- CXXXVI. **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, cilt.40, sa.6, ss.988-1001, 2016 (SCI-Expanded)

- CXXXVII. **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, cilt.8, sa.2, ss.342-352, 2016 (SCI-Expanded)
- CXXXVIII. **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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- CXXXIX. **Indirect Determination of Free, Total, and Reversibly Bound Sulfite in Selected Beverages by Spectrophotometry Using Ultrasonic-Assisted Cloud Point Extraction as a Preconcentration Step**  
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- CXL. **A Novel Preconcentration Procedure Using Neutral Red as Ion-Pairing Reagent for Determination of Inorganic Dissolved Arsenic Species in Different Water and Beverages by Spectrophotometry**  
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- CXLI. **Quantification of 5-hydroxymethylfurfural in honey samples and acidic beverages using spectrophotometry coupled with ultrasonic-assisted cloud point extraction**  
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- CXLII. **Development of a simple, sensitive and inexpensive ion-pairing cloud point extraction approach for the determination of trace inorganic arsenic species in spring water, beverage and rice samples by UV-Vis spectrophotometry**  
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FOOD CHEMISTRY, cilt.180, ss.32-41, 2015 (SCI-Expanded)
- CXLIII. **Determination of total Sn in some canned beverages by FAAS after separation and preconcentration**  
GÜRKAN R., ALTUNAY N.  
FOOD CHEMISTRY, cilt.177, ss.102-110, 2015 (SCI-Expanded)
- CXLIV. **A new cloud point extraction procedure for determination of inorganic antimony species in beverages and biological samples by flame atomic absorption spectrometry**  
ALTUNAY N., GÜRKAN R.  
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- CXLV. **Ultrasound assisted-cloud point extraction combined with flame atomic absorption spectrometry for selective preconcentration and determination of As(v) in selected water and beverage samples**  
ALTUNAY N., GÜRKAN R., Kir U.  
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- CXLVI. **A new preconcentration procedure to quantify total acid hydrolyzed fluoride in selected beverages and foods by spectrophotometry**  
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ANALYTICAL METHODS, cilt.7, sa.12, ss.5081-5091, 2015 (SCI-Expanded)
- CXLVII. **A simple, inexpensive and convenient procedure for determination of inorganic Sb species in milk and beverage samples in PET containers by flame atomic absorption spectrometry**  
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- CXLVIII. **An Inexpensive and Sensitive Method for Speciative Determination of Sn(IV), Sn(II), and Total Sn as Sn(IV) in Selected Beverages by Micellar Improved Spectrophotometry**

- Altunay N., Gürkan R.  
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- CXLIX. **Determination of trace cadmium in nonalcoholic beverages by coupling cloud point extraction with spectrophotometry**  
Altunay N., Gürkan R.  
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- CL. **Speciative Determination of Dissolved Inorganic Fe(II), Fe(III) and Total Fe in Natural Waters by Coupling Cloud Point Extraction with FAAS**  
Altunay N., Gürkan R.  
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- CLI. **A RELIABLE METHOD OF QUANTIFICATION OF TRACE COPPER IN BEVERAGES WITH AND WITHOUT ALCOHOL BY SPECTROPHOTOMETRY AFTER CLOUD POINT EXTRACTION**  
Gürkan R., Altunay N.  
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- CLII. **A reliable determination of zinc levels in beverages with and without alcohol by flame atomic absorption spectrometry after cloud point extraction**  
Guerkan R., ALTUNAY N.  
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## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **Chemometric-Based Optimization of Ionic Liquid-Based Dispersive Liquid-Liquid Microextraction for Separation and Preconcentration of Erythrosine from Real Matrices**  
ELİK A., ALTUNAY N.  
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- II. **A Simple and Cheap Ultrasound-Assisted Microextraction Procedure For Extraction of Tartrazine in Soft Drinks and Foodstuff**  
Altunay N.  
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- 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, cilt.38, sa.3, ss.400-411, 2017 (Hakemli Dergi)
- IV. **Theoretical Investigation of Corrosion Inhibition of Iron Metal by Some Benzothiazole Derivatives: A Monte Carlo Study**  
Altunay N., Kaya S.  
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- V. **A new ultrasonic assisted cloud point extraction and preconcentration procedure for the spectrophotometric oxalate determination in beverages**  
Gürkan R., Altunay N.  
Hacettepe Journal of Biology and Chemistry, cilt.45, sa.1, ss.81-94, 2017 (Hakemli Dergi)
- VI. **Determination of bisphenol A in plastic bottle packaging beverage samples using ultrasonic-assisted extraction and flame atomic absorption spectrometry**  
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## **Hakemli Bilimsel Toplantılarda Yayımlanmış Bildiriler**

- I. **INVESTIGATION AND OPTIMIZATION OF SUGAR-BASED DEEP EUTECTIC SOLVENTS FOR EXTRACTION**



**OF SULFADIAZINE FROM HONEY SAMPLES PRIOR TO SPECTROPHOTOMETRIC ANALYSIS**

TAŞPINAR H., ALTUNAY N., ELİK A.

ANKARA INTERNATIONAL CONGRESS ON SCIENTIFIC RESEARCH-IX, Ankara, Türkiye, 26 - 28 Aralık 2023

- II. **GREEN AND CHEAP SONICATION ASSISTED CLOUD POINT MICROEXTRACTION FOR EXTRACTION OF ALLURA RED (E129) FROM BEVERAGES SAMPLES PRIOR TO ITS SPECTROPHOTOMETRIC DETERMINATION**  
ALTUNAY N., ELİK A.  
ANKARA INTERNATIONAL CONGRESS ON SCIENTIFIC RESEARCH-IX, Ankara, Türkiye, 26 Aralık 2023
- III. **TEMPERATURE ASSISTED CLOUD POINT EXTRACTION FOR SPECTROPHOTOMETRIC DETERMINATION OF SUDAN-III IN VARIOUS SPICE SAMPLES**  
ALTUNAY N., ELİK A.  
EGE 10TH INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, İzmir, Türkiye, 22 - 24 Aralık 2023
- IV. **USE AND OPTIMIZATION OF IONIC LIQUIDS FOR THE DETERMINATION OF TRACE LEVELS OF CADMIUM IN SOME AGRICULTURAL PRODUCTS**  
DOĞAN B., ALTUNAY N., ELİK A.  
EGE 10TH INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, İzmir, Türkiye, 22 - 24 Aralık 2023
- V. **DISPERSIVE LIQUID PHASE EXTRACTION METHOD FOR THE DETERMINATION OF HISTAMINE FROM PROCESSED MEAT PRODUCTS**  
ALTUNAY N., ELİK A.  
SELCUK 9TH INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Konya, Türkiye, 15 - 17 Aralık 2023
- VI. **INVESTIGATION OF DEEP EUTECTIC SOLVENTS FOR THE DETERMINATION OF SULFADIAZINE RESIDUES IN HONEY SAMPLES**  
TAŞPINAR H., ALTUNAY N., ELİK A.  
SELCUK 9TH INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Konya, Türkiye, 15 - 17 Aralık 2023
- VII. **DETERMINATION OF CARMINE IN SOME FOOD SAMPLES: ULTRASONIC ASSISTED CLOUD POINT EXTRACTION**  
ALTUNAY N., ELİK A.  
11th INTERNATIONAL MARDIN ARTUKLU SCIENTIFIC RESEARCHES CONFERENCE, Mardin, Türkiye, 13 - 15 Aralık 2023
- VIII. **OPTIMIZATION OF A VORTEX-ASSISTED IONIC LIQUID-BASED LIQUID PHASE MICROEXTRACTION METHOD FOR RAPID AND SENSITIVE DETERMINATION OF CADMIUM FROM ENVIRONMENTAL SAMPLES**  
DOĞAN B., ALTUNAY N., ELİK A.  
11th INTERNATIONAL MARDIN ARTUKLU SCIENTIFIC RESEARCHES CONFERENCE, Mardin, Türkiye, 13 - 15 Aralık 2023
- IX. **IONIC LIQUID BASED VORTEX ASSISTED DISPERSIVE LIQUID MICROEXTRACTION METHOD BEFORE SPECTROPHOTOMETRIC DETERMINATION OF MORIN IN FRUIT JUICES**  
ALTUNAY N., ELİK A.  
11. INTERNATIONAL SUMMIT SCIENTIFIC RESEARCH CONGRESS, Diyarbakır, Türkiye, 15 - 17 Aralık 2023
- X. **PREPARATION AND OPTIMIZATION OF NATURAL DEEP EUTECTIC SOLVENTS FOR ACCURATE, RELIABLE AND RAPID EXTRACTION OF AS(III) FROM VEGETABLE SAMPLES**  
ALTUNAY N., ELİK A., DEMİRBAŞ A., DOĞAN B.  
11. INTERNATIONAL SUMMIT SCIENTIFIC RESEARCH CONGRESS, Diyarbakır, Türkiye, 15 - 17 Aralık 2023
- XI. **GIDA ÖRNEKLERİNDE Mn(II) VE Cu(II) İYONLARININ DUYARLI TAYİNLERİ İÇİN KATI FAZ EKSTRAKSİYONU TEMELLİ ÖRNEK HAZIRLAMA YÖNTEMİ GELİŞTİRİLMESİ**  
ULUSOY S., ELİK A., ALTUNAY N., SARP G., YILMAZ E., ULUSOY H. İ.  
10. Ulusal Analitik Kimya Kongresi, Muğla, Türkiye, 7 - 11 Eylül 2022
- XII. **Synthesis of Polyacrylamide/Carmine Polymer Nanomaterial as an Effective Solid-Phase Material for Ultrasonic-Assisted Solid-Phase Microextraction of Aluminum and Chromium in Vegetable Samples**  
Ulusoy S., Elik A., Ulusoy H. İ., Şimşek S., Altunay N.  
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- XIII. **The Effects of Selenium Application on Yield and Nutrient Uptake of Rice Plant**  
Demirbaş A., Altunay N.  
1th International Congress of the Turkish Journal of Agriculture - Food Science and Technology, Antalya, Türkiye, 8 - 10 Kasım 2019, ss.336-340
- XIV. **The Effects of Different Zinc Doses on Yield and Nutrient Uptake of Maize Plant Under Greenhouse Conditions**  
Demirbaş A., Altunay N.  
1th International Congress of the Turkish Journal of Agriculture - Food Science and Technology, Antalya, Türkiye, 8 - 10 Kasım 2019, ss.332-335
- XV. **Nickel Applications in Wheat and Bean Plants**  
Demirbaş A., Altunay N.  
1th International Congress of the Turkish Journal of Agriculture - Food Science and Technology, Antalya, Türkiye, 8 - 10 Kasım 2019, ss.255-259
- XVI. **Determination of Lead and Cadmium in Some Honey: A Simple Microextraction Approach**  
Altunay N., Elik A.  
2nd International Environmental Chemistry Congress, Antalya, Türkiye, 31 Ekim - 03 Kasım 2019
- XVII. **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, Türkiye, 31 Ekim - 03 Kasım 2019
- XVIII. **ŞEKER PANCARINDA KADMİYUMUN TAYİNİ İÇİN İYONİK SIVI DESTEKLİ MİKROEKSTRAKSİYON YÖNTEMİ**  
Altunay N., Demirbaş A., Meral S.  
VIII. UMTEB INTERNATIONAL CONGRESS ON VOCATIONAL TECHNICAL SCIENCES, Sivas, Türkiye, 11 - 13 Ekim 2019, cilt.156
- XIX. **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, Türkiye, 11 - 13 Ekim 2019, ss.165-173
- XX. **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, Türkiye, 28 - 30 Haziran 2019, ss.146-152
- XXI. **A new ultrasound-assisted extraction procedure for determination of Cd in corns**  
Altunay N., Demirbaş A.  
Eurasia 3rd international congress of applied sciences, Sivas, Türkiye, 28 - 30 Haziran 2019
- XXII. **Arsenic Applications in Rice Plant.**  
Demirbaş A., Altunay N.  
2. International Eurasian Conference on Biological and Chemical Sciences, Ankara, Türkiye, 26 - 28 Haziran 2019
- XXIII. **The Effects of Chromium Applications on Yield and Nutrient Uptake of Legume Plants**  
Demirbaş A., Altunay N.  
2. International Eurasian Conference on Biological and Chemical Sciences, Ankara, Türkiye, 26 - 28 Haziran 2019
- XXIV. **Spectrophotometric Determination and Extraction of Chlorpromazine From Environmental and Pharmaceutical Samples**  
ALTUNAY N., AKKAYA R., AKKAYA B.  
International Eurasian Congress on Natural Nutrition Healthy Life, Ankara, Türkiye, 12 - 15 Temmuz 2018, ss.959-965
- XXV. **Ionic Liquid Assisted Microextraction Followed By Uv-Vis Spectrophotometric Quantification Of Total Mercury In Fish Samples**  
Elik A., Gürkan R., Altunay N.  
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- XXVI. **Coupling of Ionic Liquid Based Microextraction and Spectrophotometry for Ex-traction, Preconcentration and Determination of Low Levels of Histamine in Fish and Meat Products**  
Elik A., Gürkan R., Altunay N.  
International Trace Analysis Congress, Sivas, Türkiye, 20 - 23 Haziran 2018
- XXVII. **SEPARATION AND PRECONCENTRATION OF CU, NI AND FE WITH VORTEX ASSISTED MICROEXTRACTION METHOD AND THEIR DETERMINATION IN FOOD AND VEGETABLE SAMPLES**  
Altunay N., Elik A., Gürkan R.  
International Conference on Technology, Engineering and Science (IConTES), Antalya, Türkiye, 26 - 29 Ekim 2017
- XXVIII. **DETERMINATION OF TRACE CD AND SN CONTENT IN CANNED FOODS AND VEGETABLE SAMPLES USING MICROEXTRACTION COUPLED WITH FLAME ATOMIC ABSORPTION SPECTROMETRY**  
Elik A., Gürkan R., Altunay N.  
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- XXIX. **Simple and Quick Determination of Trace Thiabendazole Residues in Fruits and Vegetables Utilizing IL-UA-DLLME Combined with Spectrophotometry**  
Altunay N., Gürkan R., Elik A.  
Ancon-International Congress on Chemistry and Materials Science, Ankara, Türkiye, 5 - 07 Ekim 2017
- XXX. **FAAS Yardımıyla Çinko, Nikel Ve Kobaltın Ekstraksiyonu Ve Tayini İçin Yeni Ve Çevre Dostu Bir Ultrason Yardımıyla Mikro Ekstraksiyon Yöntem**  
Gürkan R., Elik A., Altunay N.  
I. International Scientific and Vocational Studies Congress, Nevşehir, Türkiye, 5 - 08 Ekim 2017
- XXXI. **Ultrasonik Destekli Ekstraksiyon Ve Spektrofotometrik Dedeksiyona Dayanan Gıda Örneklerinde Karmin Tayin Etmek İçin Basit Ve Çevre Dostu Bir Yöntem**  
Elik A., Gürkan R., Altunay N.  
I. International Scientific and Vocational Studies Congress, Nevşehir, Türkiye, 5 - 08 Ekim 2017
- XXXII. **Ultrasonic Assisted Microextraction of As and Sb from Water and Plant Samples as Determined by HG-AAS**  
Altunay N., Elik A., Gürkan R.  
Ancon-International Congress on Chemistry and Materials Science, Ankara, Türkiye, 5 - 07 Ekim 2017
- XXXIII. **EXTRACTION AND RELIABLE DETERMINATION OF ACRYLAMIDE IN THERMALLY PROCESSED FOODS USING IL-ME COMBINED WITH SPECTROPHOTOMETRY**  
Altunay N., Gürkan R., Elik A.  
2nd International Gazi Pharma Symposium Series (GPSS-2017), Ankara, Türkiye, 11 - 13 Ekim 2017
- XXXIV. **A NEW SPECTROPHOTOMETRIC METHOD FOR THE DETERMINATION OF NITRITE IN MEAT PRODUCTS AFTER ULTRASONIC ASSISTED IONIC LIQUID ASSISTED MICROEXTRACTION**  
Yıldırım E., Altunay N., Gürkan R.  
2nd International Gazi Pharma Symposium Series, Ankara, Türkiye, 11 - 13 Ekim 2017
- XXXV. **IONIC LIQUID BASED ION-PAIRING MICROEXTRACTION COMBINED WITH SPECTROPHOTOMETRY FOR PRECONCENTRATION AND QUANTITATION OF MELAMINE IN MILK AND MILK-BASED PRODUCTS**  
Altunay N., Gürkan R.  
2nd International Gazi Pharma Symposium Series, Ankara, Türkiye, 11 - 13 Ekim 2017
- XXXVI. **AN IMPROVED ULTRASOUND ASSISTED EXTRACTION METHOD FOR RAPID DETERMINATION OF PROLINE IN HONEY, WINE AND FRUIT SAMPLES BY SPECTROPHOTOMETRY**  
Gürkan R., Altunay N.  
I. International Scientific and Vocational Studies Congress, Nevşehir, Türkiye, 5 - 08 Ekim 2017
- XXXVII. **A NOVEL AND ECO-FRIENDLY ULTRASOUND ASSISTED MICROEXTRACTION METHOD FOR EXTRACTION AND DETERMINATION OF ZINC, NICKEL AND COBALT BY FAAS**  
Gürkan R., Elik A., Altunay N.  
I. International Scientific and Vocational Studies Congress, Nevşehir, Türkiye, 5 - 08 Ekim 2017
- XXXVIII. **Balık Örneklerinde Histaminin Ultrasonik Destekli Örnek Hazırlama ve İyonik Sıvı Yardımlı Mikroekstraksiyon Sonrası Spektrofotometrik Belirlenmesi**  
Altunay N., Elik A., Gürkan R.

29. Ulusal Kimya kongresi, Ankara, Türkiye, 10 - 14 Eylül 2017

- XXXIX. **Development of a fast analytical microextraction method for the determination of Sudan (II) in foodstuffs by spectrophotometry**  
Altunay N., Gürkan R., Ulaş O.  
International Turkish Congress on Molecular Spectroscopy (TURCMOS2017), Antalya, Türkiye, 26 - 29 Ağustos 2017
- XL. **A New Atomic Absorption Based Extraction Method Development for Determination of Histamine in Real Samples**  
Tetik M., Gürkan R., Altunay N., Orhan U.  
10th Aegean Analytical Chemistry Days, Çanakkale, Türkiye, 29 Eylül - 02 Ekim 2016
- XLII. **Ultra Trace Determination of Arsenic and Selenium in Foods and Vegetables by Hydride Generation Atomic Absorption Spectrometry**  
Altunay N., Gürkan R., Yıldırım E., Orhan U.  
10th Aegean Analytical Chemistry Days, Çanakkale, Türkiye, 29 Eylül - 02 Ekim 2016
- XLIII. **Determination of Maltol in Foods by Ultrasonic Assisted Extraction Coupled to FAAS**  
Orhan U., Altunay N., Gürkan R.  
10th Aegean Analytical Chemistry Days, Çanakkale, Türkiye, 29 Eylül - 02 Ekim 2016
- XLIV. **Ultrasonic Assisted Extraction Procedure Combined with Spectrophotometry for Preconcentration and Determination of Folic Acid in Various Sample Matrices**  
Yıldırım E., Gürkan R., Altunay N.  
10th Aegean Analytical Chemistry Days, Çanakkale, Türkiye, 29 Eylül - 02 Ekim 2016
- XLV. **Simple rapid and cost effective preconcentration of acrylamide from chips crackers and cereal based baby foods prior to its spectrophotometric detection**  
Altunay N., Gürkan R.  
28. Ulusal Kimya Kongresi, Mersin, Türkiye, 15 - 21 Ağustos 2016
- XLVI. **FAAS Aracılığıyla Kuruyemiş Örneklerinde Eser Düzeyde Gümüş ve Kadmiyumun Belirlenmesi İçin Yeni Bir Prosedür**  
Yıldırım E., Gürkan R., Altunay N.  
IV. Eser Analiz Kongresi, Sakarya, Türkiye, 19 - 22 Mayıs 2016
- XLVII. **Bal Örneklerinde 5 Hidroksimetilfurfural ın Tayini İçin Yeni Spektrofotometrik Yöntem**  
Altunay N., Gürkan R.  
8. Ulusal Analitik Kimya Kongresi, Isparta, Türkiye, 30 Mayıs - 03 Haziran 2016
- XLVIII. **Ultrasonik Destekli Bulutlanma Noktası Ekstraksiyonu Yardımıyla Bazı Gıda Örneklerinde Sülfite Zenginleştirilmesi ve Spektroskopik Olarak Tayini**  
Altunay N., Gürkan R.  
IV. Eser Analiz Kongresi, Sakarya, Türkiye, 19 - 22 Mayıs 2016
- XLIX. **A New Eco friendly and Rapid Ultrasound Assisted Cloud Point Extraction to Preconcentrate and Determine Sulfite from Vegetables and Dried Fruit Matrices**  
Altunay N., Gürkan R.  
International Turkish Congress on Molecular Spectroscopy (TURCMOS 2015), Antalya, Türkiye, 13 - 18 Eylül 2015
- L. **Spektrofotometre ile sıcak soğuk kaynak suları ve atık su örneklerinde eser tiyosülfatın belirlenmesi öncesinde yeni bir zenginleştirme işlemi**  
Gürkan R., Altunay N., Serakan K., Yıldırım E.  
XIV. Ulusal Spektroskopi Kongresi, Elazığ, Türkiye, 29 - 31 Mayıs 2015
- LI. **Ultrasonik destekli-bulutlanma noktası ekstraksiyonu ile zenginleştirmeden kutu içeceklerde toplam bakırın FAAS ile tayini**  
Altunay N., Gürkan R., Orhan U.  
XIV. Ulusal Spektroskopi Kongresi, Elazığ, Türkiye, 29 - 31 Mayıs 2015
- LII. **Alkolu ve alkolsüz içecek örneklerinde inorganik antimon ve kalay türlerinin alevli atomik absorpsiyon spektrometresi ile eşzamanlı tayini için yeni bir ultrasonik destekli bulut noktası ekstraksiyon methodu**

Altunay N., Gürkan R., Yıldırım E.

XIV. Ulusal Spektroskopi Kongresi, Elazığ, Türkiye, 29 - 31 Mayıs 2015

- LII. **A New Cloud Point Extraction Method based on Separation and Preconcentration prior to Determination of Periodate in Milk and Fruit-Flavored Milk Samples By Spectrophotometry**  
Gürkan R., Altunay N.  
7. Ulusal Analitik Kimya Kongresi, Kahramanmaraş, Türkiye, 1 - 05 Eylül 2014
- LIII. **After separation and preconcentration the determination of Sb III Sb V and total Sb in beverage samples bottled in PET by flame atomic absorption spectrometry**  
Altunay N., Gürkan R.  
7. Ulusal Analitik Kimya Kongresi, Kahramanmaraş, Türkiye, 1 - 05 Eylül 2014
- LIV. **cloud point extraction and spectrophotometric determination of trace nitrite different beverage samples**  
Esra O., Gürkan R., Altunay N.  
III. Eser Analiz Çalıştayı, Tokat, Türkiye, 15 - 18 Mayıs 2014
- LV. **Determination of free total and reversible organic matrix bound sulfite in beverages by CPE UV VIS**  
Gürkan R., Sertakan K., Altunay N.  
III. Eser Analiz Çalıştayı, Tokat, Türkiye, 15 - 18 Mayıs 2014
- LVI. **After separation and enrichment determination of total soluble and insoluble oxalate in some beverages with and without alcohol by spectrophotometric**  
Altunay N., Gürkan R., Kır U.  
III. Eser Analiz Çalıştayı, Tokat, Türkiye, 15 - 18 Mayıs 2014
- LVII. **A novel preconcentration procedure using cloud point extraction for determination of inorganic dissolved arsenic species in some beverage samples using spectrophotometry**  
Gürkan R., Kır U., Altunay N.  
III. Eser Analiz Çalıştayı, Tokat, Türkiye, 15 - 18 Mayıs 2014
- LVIII. **Cloud point extraction and spectrophotometric determination of nitrite in beverages with and without alcohol**  
Altunay N., Gürkan R.  
6th Black Sea Basin Conference on Analytical Chemistry, Trabzon, Türkiye, 10 - 14 Eylül 2013
- LIX. **A novel preconcentration procedure for determination of inorganic arsenic species in some beverage samples using spectrophotometry**  
Altunay N., Gürkan R., Kır U.  
6th Black Sea Basin Conference on Analytical Chemistry, Trabzon, Türkiye, 10 - 14 Eylül 2013
- LX. **Bulutlanma Noktası Ekstraksiyonu İle Zenginleştirme Sonrası Spektrofotometre İle Bazı Asidik Meyve Suyu Örneklerinde Arsenik Belirlenmesi**  
Gürkan R., Altunay N., Kır U.  
XIII. Ulusal Spektroskop kongresi, Burdur, Türkiye, 15 - 18 Mayıs 2013
- LXI. **Karışık Misel Ortamda Eser Düzeylerde Nitritin Katalitik Kinetik Belirlenmesi**  
Altunay N., Gürkan R.  
XIII. Ulusal Spektroskop kongresi, Burdur, Türkiye, 15 - 18 Mayıs 2013
- LXII. **Bulutlanma Noktası Ekstraksiyonu İle Zenginleştirme Sonrası FAAS İle Bazı İçme Suyu Ve Asidik İçeceklerde Çözünür İnorganik Antimon Türlerinin Belirlenmesi**  
Altunay N., Gürkan R., Eser M., Kır U.  
XIII. Ulusal Spektroskop kongresi, Burdur, Türkiye, 15 - 18 Mayıs 2013
- LXIII. **Bulutlanma Noktası Ekstraksiyonu İle Zenginleştirme Sonrası Spektrofotometri İle Bazı Kozmetik Örneklerinde Eser Kadmiyum Belirlenmesi**  
Kır U., Gürkan R., Altunay N.  
XIII. Ulusal Spektroskop kongresi, Burdur, Türkiye, 15 - 18 Mayıs 2013

## Desteklenen Projeler

Ulusoy H. İ., Altunay N., Kavak K. Ş., Elik A., Yükseköğretim Kurumları Destekli Proje, Sivas Sıcak ve Soğuk Çermik Kaplıca Sularının Eser Element Düzeylerinin Mevsimsel Değişimlerinin İzlenmesi ve Raporun Şehir Envanterine Sunulması, 2022 - 2024

Altunay N., Elik A., Yükseköğretim Kurumları Destekli Proje, İşlenmiş et ürünlerinde (sucuk, salam, sosis, pastırma, jambon) nitrit ve nitratın tayini için kemometrik modellemeyle yeni bir yöntem geliştirilmesi, 2019 - 2021

Altunay N., Elik A., Yükseköğretim Kurumları Destekli Proje, Bal örneklerinde ağır metallerin belirlenmesi için mikroekstraksiyon parametrelerinin kemometrik çalışmayla optimizasyonu, 2018 - 2021

Altunay N., Kasaka E., Taşkın Çakıcı G., Yükseköğretim Kurumları Destekli Proje, Yıldız Irmağı Suyunun Kimyasal Özelliklerinin (NH<sub>4</sub>-N, NO<sub>3</sub>-N, SiO<sub>2</sub>-Si, Ca<sub>2</sub>) ve Eser Elementlerin ( Mn, Fe, Pb, Cd) Sıvı-Sıvı Mikroekstraksiyon Analitik Yöntemi ile Belirlenmesi, 2018 - 2020

Altunay N., Gürkan R., Kaya S., Elik A., Yükseköğretim Kurumları Destekli Proje, Gerçek Örneklerde İnorganik Arsenik ve Antimonun İyonik Sıvı Destekli Sıvı-Sıvı Mikroekstraksiyon Yardımıyla Önderiştirilme Sonrası HG-AAS ile Tayinleri, 2017 - 2020

Gürkan R., Elik A., Altunay N., Yükseköğretim Kurumları Destekli Proje, Sivas Yöresi Yerel Bitki (Yemlik, Madımak ve Kuzukulağı) Örneklerinde Al, Cr, Ni, Pb, Cd, As ve Se Elementlerinin Farklı Ekstraksiyon Teknikleriyle Zenginleştirilmesi Sonrası Spektroskopik Tayinleri İçin Yeni Çevre Dostu Analitik Yöntemlerin Geliştirilmesi, 2017 - 2019

Gürkan R., Altunay N., Elik A., Yükseköğretim Kurumları Destekli Proje, Deniz Ürünlerinde (Palamut, Midye, Lüfer, Uskumru, hamsi, İstavrit gibi) Metil Civa ve Toplam Civanın Spektrofotometrik Belirlenmesi İçin Kullanışlı, Ucuz ve Çevreci Analitik Yöntemlerin Geliştirilmesi, 2017 - 2018

Gürkan R., Altunay N., Yükseköğretim Kurumları Destekli Proje, Kızartılmış, Pişirilmiş ve Kavrulmuş Gıda Örneklerinde Doğal Olarak Ortaya Çıkan Toksik Akrilamidin İyonik Sıvı ve Sürfaktanlar Yardımıyla Ön deriştirilmesi Sonrası Spektrofotometrik Tayini, 2017 - 2018

Gürkan R., Altunay N., Kaya S., Yükseköğretim Kurumları Destekli Proje, Bazı Çevresel Örnekler ve Gıdalarda Çoklu Elementlerin İyonik Sıvı ve Misel Destekli Ekstraksiyon Yöntemleriyle Zenginleştirilmesi Sonrası Hidrür Oluşturmalı ve Alevli Atomik Absorpsiyon Spektrometrisi İle Tayin Olanaklarının Araştırılması, 2016 - 2018

Altunay N., Elik A., Gürkan R., Yükseköğretim Kurumları Destekli Proje, Ultrasonik Destekli Örnek Hazırlama ve İyonik Sıvı Destekli Mikroekstraksiyon Sonrası Lüfer, Hamsi ve Alabalık Örneklerinde Histaminin Spektrofotometrik Belirlenmesi İçin Yeni Çevre Dostu Analitik Yöntem(ler)in Geliştirilmesi, 2017 - 2017

Gürkan R., Altunay N., Yükseköğretim Kurumları Destekli Proje, Çevresel ve Gıda Örneklerinde Arsenik ile Selenyumun İyonik Sıvı Dağılımlı Sıvı Sıvı Mikroekstraksiyon İle Eşanlı Zenginleştirme Sonrası Hidrür Oluşturmalı HG AAS İle Tayin Olanaklarının Araştırılması, 2016 - 2017

Altunay N., Kaya S., Yükseköğretim Kurumları Destekli Proje, Yeni Sentezlenmiş Heterosiklik Bileşiklerin Çeşitli Metallerin Korozyonu Karşısında İnhibisyon Etkilerinin Teorik Yöntemler Aracılığıyla Araştırılması ve Moleküler Modelleme Çalışmaları, 2016 - 2016

Gürkan R., Altunay N., Yükseköğretim Kurumları Destekli Proje, Bazı Kozmetik Ürünlerinde Mevcut Ağır Metallerin Sn Pb ve Cd Ultrasonik Destekli Bulutlanma Noktası Ekstraksiyonu İle Zenginleştirilmesi Sonrası Alevli Atomik Absorpsiyon Spektrometrisi İle Eşanlı Tayin Olanaklarının Araştırılması, 2015 - 2016

Gürkan R., Altunay N., Yükseköğretim Kurumları Destekli Proje, Bazı kozmetik ürünlerinde mevcut ağır metallerin Sn Pb ve Cd ultrasonik destekli bulutlanma noktası ekstraksiyonu ile zenginleştirilmesi sonrası alevli atomik absorpsiyon spektrometrisi ile eşanlı tayin olanaklarının araştırılması, 2015 - 2016

Altunay N., Gürkan R., Yükseköğretim Kurumları Destekli Proje, Misel Etki Yardımıyla Bazı Gıda Örneklerinde Sülfitten serbest sülfid tersinir organik bağlı sülfid ve toplam sülfidin Spektroskopik UV Görünür FAAS Belirlenme Olanaklarının Araştırılması, 2014 - 2016

Altunay N., Gürkan R., Yükseköğretim Kurumları Destekli Proje, Gerçek Örneklerde İnorganik Çözünür Sb Türlerinin Sb III Sb V ve total Sb Belirlenmesi ve Türlenmesi için CPE FAAS Arayüzey Tekniğinin Kullanımı, 2014 - 2015

Gürkan R., Altunay N., Yükseköğretim Kurumları Destekli Proje, Gerçek Örneklerde İnorganik Çözünür Sb Türlerinin Sb III Sb V ve Total Sb Belirlenmesi ve Türlenmesi için CPE FAAS Arayüzey Tekniğinin Kullanımı, 2012 - 2015

Altunay N., Gürkan R., Yükseköğretim Kurumları Destekli Proje, Alev Atomik Absorpsiyon Spektrometrisi FAAS İle Fe II ve Fe III ün Türlenmesi İçin Misel Destekli Ekstraksiyonun Kullanımı, 2010 - 2011

## Bilimsel Yayınlarda Hakemlikler

FOOD RESEARCH INTERNATIONAL, SCI Kapsamındaki Dergi, Ekim 2020  
ANALYTICAL METHODS, SCI-E Kapsamındaki Dergi, Eylül 2020  
TURKISH JOURNAL OF CHEMISTRY, SCI-E Kapsamındaki Dergi, Eylül 2020  
ARABIAN JOURNAL OF CHEMISTRY, SCI Kapsamındaki Dergi, Ağustos 2020  
MICROCHEMICAL JOURNAL, SCI Kapsamındaki Dergi, Temmuz 2020  
INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, SCI-E Kapsamındaki Dergi, Mart 2020  
JOURNAL OF MOLECULAR LIQUIDS, SCI Kapsamındaki Dergi, Şubat 2020  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, SCI Kapsamındaki Dergi, Şubat 2020  
ANALYTICAL METHODS, SCI-E Kapsamındaki Dergi, Şubat 2020  
JOURNAL OF FOOD COMPOSITION AND ANALYSIS, SCI Kapsamındaki Dergi, Şubat 2020  
FOOD CHEMISTRY, SCI Kapsamındaki Dergi, Ocak 2020  
FOOD ANALYTICAL METHODS, SCI Kapsamındaki Dergi, Ocak 2020  
MICROCHEMICAL JOURNAL, SCI Kapsamındaki Dergi, Ocak 2020  
JOURNAL OF HAZARDOUS MATERIALS, SCI Kapsamındaki Dergi, Aralık 2019  
JOURNAL OF FOOD COMPOSITION AND ANALYSIS, SCI Kapsamındaki Dergi, Kasım 2019  
ULTRASONICS, SCI Kapsamındaki Dergi, Kasım 2019  
NEW JOURNAL OF CHEMISTRY, SCI Kapsamındaki Dergi, Kasım 2019  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, SCI Kapsamındaki Dergi, Kasım 2019  
ANALYTICA CHIMICA ACTA, SCI Kapsamındaki Dergi, Kasım 2019  
JOURNAL OF THE IRANIAN CHEMICAL SOCIETY, SCI-E Kapsamındaki Dergi, Ekim 2019  
FOOD ANALYTICAL METHODS, SCI-E Kapsamındaki Dergi, Eylül 2019  
FOOD CHEMISTRY, SCI Kapsamındaki Dergi, Temmuz 2019  
TALANTA, SCI Kapsamındaki Dergi, Haziran 2019  
JOURNAL OF FOOD BIOCHEMISTRY, SCI-E Kapsamındaki Dergi, Mayıs 2019  
TRAC-TRENDS IN ANALYTICAL CHEMISTRY, SCI Kapsamındaki Dergi, Mart 2019  
TALANTA, SCI Kapsamındaki Dergi, Şubat 2019  
ANALYST, SCI Kapsamındaki Dergi, Şubat 2019  
MICROCHIMICA ACTA, SCI Kapsamındaki Dergi, Şubat 2019  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, SCI Kapsamındaki Dergi, Ocak 2019  
ARABIAN JOURNAL OF CHEMISTRY, SCI Kapsamındaki Dergi, Kasım 2018  
JOURNAL OF AOAC INTERNATIONAL, SCI-E Kapsamındaki Dergi, Kasım 2018  
TURKISH JOURNAL OF CHEMISTRY, SCI-E Kapsamındaki Dergi, Temmuz 2018  
FOOD CHEMISTRY, SCI Kapsamındaki Dergi, Haziran 2018  
INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, SCI-E Kapsamındaki Dergi, Haziran 2018  
JOURNAL OF AOAC INTERNATIONAL, SCI-E Kapsamındaki Dergi, Mayıs 2018  
ANALYTICAL METHODS, SCI-E Kapsamındaki Dergi, Nisan 2018  
CLEAN-SOIL AIR WATER, SCI Kapsamındaki Dergi, Mart 2018  
FOOD CHEMISTRY, SCI Kapsamındaki Dergi, Şubat 2018  
MICROCHEMICAL JOURNAL, SCI Kapsamındaki Dergi, Aralık 2017  
SPECTROCHIMICA ACTA PART B-ATOMIC SPECTROSCOPY, SCI Kapsamındaki Dergi, Kasım 2017  
FOOD CHEMISTRY, SCI Kapsamındaki Dergi, Ekim 2017  
ULTRASONICS, SCI Kapsamındaki Dergi, Haziran 2017  
JOURNAL OF HAZARDOUS MATERIALS, SCI Kapsamındaki Dergi, Haziran 2017  
TALANTA, SCI Kapsamındaki Dergi, Haziran 2017  
INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, SCI-E Kapsamındaki Dergi, Mayıs 2017

## Bilimsel Projelerde Hakemlikler

Yükseköğretim Kurumları Destekli Proje, BAP Araştırma Projesi, Eylül 2020

## Etkinlik Organizasyonlarındaki Görevler

Ulusoy H. İ., Bağda E., Oymak T., Altunay N., Ulusoy S., Şimşek S., Yılmaz E., 5. Uluslararası Eser Analiz Kongresi, Bilimsel Kongre / Sempozyum Organizasyonu, Sivas, Türkiye, Haziran 2018

## Metrikler

Yayın: 242

Atf (WoS): 3280

Atf (Scopus): 3280

H-İndeks (WoS): 33

H-İndeks (Scopus): 33

## Kongre ve Sempozyum Katılımı Faaliyetleri

2nd International Environmental Chemistry Congress (EnviroChem), Çalışma Grubu, Antalya, Türkiye, 2019

Eurasia 3rd international congress of applied sciences , Çalışma Grubu, Sivas, Türkiye, 2019

International Eurasian Congress on Natural Nutrition Healthy Life , Çalışma Grubu, Ankara, Türkiye, 2018

International Trace Analysis Congress , Çalışma Grubu, Sivas, Türkiye, 2018

International Conference on Technology, Engineering and Science , Çalışma Grubu, Antalya, Türkiye, 2017

2nd International Gazi Pharma Symposium Series , Çalışma Grubu, Ankara, Türkiye, 2017

29. Ulusal Kimya Kongresi, Çalışma Grubu, Ankara, Türkiye, 2017

Ancon-International Congress on Chemistry and Materials Science , Çalışma Grubu, Ankara, Türkiye, 2017

2.International Turkish Congress on Molecular Spectroscopy , Çalışma Grubu, Muğla, Türkiye, 2017

15. Ulusal Spektroskopi Kongresi, Çalışma Grubu, Yalova, Türkiye, 2017

10th Aegean Analytical Chemistry Days , Çalışma Grubu, Çanakkale, Türkiye, 2016

1st International Black Sea Congress on Environmental Sciences Kongresi, Çalışma Grubu, Giresun, Türkiye, 2016

28. Ulusal Kimya Kongresi, Çalışma Grubu, Mersin, Türkiye, 2016

8. Ulusal Analitik Kimya Kongresi, Çalışma Grubu, Isparta, Türkiye, 2016

IV. Eser Analiz Kongresi, Çalışma Grubu, Sakarya, Türkiye, 2016

International Turkish Congress on Molecular Spectroscopy, Çalışma Grubu, Antalya, Türkiye, 2015

XIV. Ulusal Spektroskopi Kongresi, Çalışma Grubu, Elazığ, Türkiye, 2015

7. Ulusal Analitik Kimya Kongresi, Çalışma Grubu, Kahramanmaraş, Türkiye, 2014

III. Eser Analiz Çalıştayı, Çalışma Grubu, Tokat, Türkiye, 2014

6th Black Sea Basin Conference on Analytical Chemistry, Çalışma Grubu, Trabzon, Türkiye, 2013

XIII. Ulusal Spektroskop kongresi, Çalışma Grubu, Burdur, Türkiye, 2013