

Prof. NAİL ALTUNAY

Personal Information

Email: naltunay@cumhuriyet.edu.tr

Web: <https://avesis.cumhuriyet.edu.tr/naltunay>

International Researcher IDs

ORCID: 0000-0001-9053-7570

Yoksis Researcher ID: 104981

Education Information

Doctorate, Sivas Cumhuriyet University, Fen Bilimleri Enstitüsü, Turkey 2011 - 2015

Postgraduate, Sivas Cumhuriyet University, Fen Bilimleri Enstitüsü, Fen Bilimleri Enstitüsü, Turkey 2008 - 2011

Undergraduate, Sivas Cumhuriyet University, Fen Fakültesi, Kimya Bölümü, Turkey 2004 - 2008

Research Areas

Analytical Chemistry, Chemometry, Spectroscopical Methods, Trace Elements, Natural Sciences

Academic Titles / Tasks

Professor, Sivas Cumhuriyet University, Fen Fakültesi, Kimya Bölümü, 2023 - Continues

Associate Professor, Sivas Cumhuriyet University, Fen Fakültesi, Kimya Bölümü, 2021 - 2023

Associate Professor, Sivas Cumhuriyet University, Fen Fakültesi, Biyokimya Bölümü, 2019 - 2021

Associate Professor, Sivas Cumhuriyet University, Yıldızeli Meslek Yüksekokulu, Tıbbi Hizmetler ve Teknikler Bölümü, 2018 - 2019

Assistant Professor, Sivas Cumhuriyet University, Yıldızeli Meslek Yüksekokulu, Tıbbi Hizmetler ve Teknikler Bölümü, 2017 - 2018

Lecturer, Sivas Cumhuriyet University, İmranlı Meslek Yüksekokulu, Kimya ve Kimyasal İşleme Teknolojileri, 2015 - 2017

Lecturer, Sivas Cumhuriyet University, İmranlı Meslek Yüksekokulu, Malzeme ve Malzeme İşl.Tekno., 2012 - 2015

Academic and Administrative Experience

Director of The Institution, Sivas Cumhuriyet University, Fen Fakültesi, Kimya Bölümü, 2024 - Continues

Head of Department, Sivas Cumhuriyet University, Fen Fakültesi, Kimya Bölümü, 2024 - Continues

BAP Scientific Commissioner, Sivas Cumhuriyet University, Fen Fakültesi, Kimya Bölümü, 2020 - Continues

Assistant Director of the Institute, Sivas Cumhuriyet University, Fen Fakültesi, Kimya Bölümü, 2022 - 2024

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

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

Head of Department, Sivas Cumhuriyet University, Yıldızeli Meslek Yüksekokulu, Tıbbi Hizmetler ve Teknikler Bölümü, 2017 - 2019

Head of Department, Sivas Cumhuriyet University, İmranlı Meslek Yüksekokulu, Kimya ve Kimyasal İşleme Teknolojileri, 2016 - 2017

Meslek Yüksekokulu Kurulu Üyesi, Sivas Cumhuriyet University, İmranlı Meslek Yüksekokulu, Kimya ve Kimyasal İşleme Teknolojileri, 2014 - 2017
Head of Department, Sivas Cumhuriyet University, İmranlı Meslek Yüksekokulu, Malzeme ve Malzeme İşl.Tekno., 2014 - 2016
Meslek Yüksekokulu Yönetim Kurulu Üyesi, Sivas Cumhuriyet University, İmranlı Meslek Yüksekokulu, Kimya ve Kimyasal İşleme Teknolojileri, 2013 - 2016
Assistant Director of Vocational School, Sivas Cumhuriyet University, İmranlı Meslek Yüksekokulu, 2013 - 2016
Mevlana Exchange Program Coordinator, Sivas Cumhuriyet University, İmranlı Meslek Yüksekokulu, Kimya ve Kimyasal İşleme Teknolojileri, 2014 - 2015
Erasmus Coordinator, Sivas Cumhuriyet University, İmranlı Meslek Yüksekokulu, Kimya ve Kimyasal İşleme Teknolojileri, 2013 - 2014

Courses

Postgraduate

Kompleks Matrislerin Analitik Kimyası, Postgraduate, 2023 - 2024
Çevresel Analiz İçin İşlemler ve Yöntem Doğrulama, Postgraduate, 2023 - 2024
Analitik Kimyada Kemometrik Yöntemler, Postgraduate, 2023 - 2024
Kimyasal Analizde Önışlemler, Postgraduate, 2022 - 2023
Analitik Kimyada Kemometrik Yöntemler, Postgraduate, 2022 - 2023
Adli Bilimlerde Analitik Kimya, Postgraduate, 2022 - 2023
Uzmanlık Alan Dersi, Postgraduate, 2022 - 2023
Kimyasal Analizde Önışlemler, Postgraduate, 2022 - 2023

Undergraduate

Elementler Kimyası, Undergraduate, 2023 - 2024
Bitirme Ödevi/Tezi, Undergraduate, 2023 - 2024
Analitik kimya Lab. - II, Undergraduate, 2022 - 2023
Analitik Kimya-I, Undergraduate, 2022 - 2023
Genel Kimya I, Undergraduate, 2021 - 2022
Ekolojik Biyokimya, Undergraduate, 2021 - 2022
Çevre Kimyasına Giriş, Undergraduate, 2021 - 2022

Associate Degree

Temel Biyokimya, Associate Degree, 2018 - 2019
Biyoanalitik Kimya, Associate Degree, 2018 - 2019
Toprak Kimyası ve Analizleri, Associate Degree, 2018 - 2019
Laboratuvar Kimyası, Associate Degree, 2018 - 2019
Temel Tıbbi Laboratuvar Teknikleri, Associate Degree, 2017 - 2018
Analitik Kimya, Associate Degree, 2018 - 2019
Bilimsel ve Kültürel Etkinlikler, Associate Degree, 2017 - 2018
Medikal Cihazlar ve Çalışma Prensipleri, Associate Degree, 2018 - 2019
Enstrümantal Analiz, Associate Degree, 2017 - 2018
Enstümantal Analiz Lab., Associate Degree, 2017 - 2018
Analitik Kimya, Associate Degree, 2016 - 2017
Ayrırma ve Zenginleştirme Yöntemleri, Associate Degree, 2016 - 2017
Kimyasal Analizde Temel İlkeler, Associate Degree, 2017 - 2018
Endüstriyel Hijyen, Associate Degree, 2015 - 2016
Kimyasallar ve Tehlikeleri, Associate Degree, 2015 - 2016
Genel Kimya - I, Associate Degree, 2016 - 2017
İstatistik, Associate Degree, 2013 - 2014

Jury Memberships

Post Graduate, Post Graduate, Sivas Cumhuriyet Üniversitesi, November, 2019

Doctorate, Doctorate, Tokat Gaziosmanpaşa Üniversitesi, October, 2019

Post Graduate, Post Graduate, Sivas Cumhuriyet Üniversitesi, September, 2019

Post Graduate, Post Graduate, Sivas Cumhuriyet Üniversitesi, June, 2019

Post Graduate, Post Graduate, Tokat Gaziosmanpaşa Üniversitesi, April, 2019

Academic Staff Examination, Academic Staff Examination, Sivas Cumhuriyet Üniversitesi, December, 2018

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Sivas Cumhuriyet Üniversitesi, February, 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- 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, vol.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, vol.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, vol.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, vol.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, vol.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, vol.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, vol.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, vol.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., Sanullah S., ALTUNAY N.

Food Chemistry, vol.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, vol.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, vol.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, vol.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, vol.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, vol.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, vol.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, vol.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, vol.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, vol.78, no.5, pp.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, vol.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, vol.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, vol.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, vol.104, no.19, pp.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, vol.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, vol.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, vol.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, vol.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, vol.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, vol.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, vol.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, vol.12, no.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, vol.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, vol.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, vol.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, vol.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, vol.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, vol.115, 2023 (SCI-Expanded)
- XXXVII. **Optimization of [P6,6,6,14+]₃[GdCl₆-] 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, vol.40, no.12, pp.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, vol.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, vol.30, 2022 (SCI-Expanded)
- XL. **Optimization of a rapid and sensitive ultrasound-assisted liquid-liquid microextraction using switchable hydrophilicity solvent for extraction of β -carotene in fruit juices and vegetables**
ALTUNAY N., Tuzen M., Lanjwani M. F., Mogaddam M. R. A.
Journal of Food Composition and Analysis, vol.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, vol.394, no.394, pp.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, vol.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, vol.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, vol.76, no.10, pp.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, vol.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, vol.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, vol.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, vol.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, vol.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, vol.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, vol.1, no.1, pp.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, vol.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, vol.1, no.1, pp.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, vol.1, no.106, pp.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, vol.76, no.3, pp.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, vol.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, vol.166, pp.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 ([CH₃Hg]⁺) from wastewater: Theoretical and experimental analyses**
Tüzen M., Sarı A., Afshar Mogaddam M. R., Kaya S., P.Katin K., Altunay N.
Materials Chemistry And Physics, vol.277, no.277, pp.125501, 2022 (SCI-Expanded)
- LIX. Ultrasonic-assisted dispersive liquid-liquid microextraction based on hydrophilic deep eutectic solvents: Application to lead and cadmium monitoring in water and food samples**
ALTUNAY N., TÜZEN M., Mogaddam M. R. A.
FOOD ADDITIVES AND CONTAMINANTS PART A-CHEMISTRY ANALYSIS CONTROL EXPOSURE & RISK ASSESSMENT, vol.39, no.12, pp.1963-1973, 2022 (SCI-Expanded)
- 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**
GÜRSOY N., Sirtbaşı B., ŞİMŞEK S., ELİK A., ALTUNAY N.
Microchemical Journal, vol.172, 2022 (SCI-Expanded)
- LXI. Headspace μ -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**
Afshar Mogaddam M. R., Altunay N., Tüzen M., P.Katin K., Nemati M., Lotfipour F.
MICROCHEMICAL JOURNAL, vol.173, no.1, pp.107040, 2021 (SCI-Expanded)
- LXII. Tergitol@SiO₂@Fe₃O₄ 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**
ALTUNAY N., ELİK A., SARP G., YILMAZ E., ULUSOY H. İ.
MICROCHEMICAL JOURNAL, vol.170, 2021 (SCI-Expanded)
- LXIII. Optimization of ultrasound-assisted dispersive liquid-liquid microextraction of niacinamide in pharmaceutical and cosmetic samples using experimental design**
ALTUNAY N.
MICROCHEMICAL JOURNAL, vol.170, 2021 (SCI-Expanded)
- LXIV. Synthesis of polystyrene-polyricinoleic acid copolymer containing silver nano particles for dispersive solid phase microextraction of molybdenum in water and food samples**
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Gürkan R., Kir U., Altunay N.
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GÜRKAN R., ALTUNAY N.
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ALTUNAY N., GÜRKAN R., Kir U.
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ALTUNAY N., GÜRKAN R.
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Altunay N., Gürkan R.

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- XXXVIII. **Balık Örneklerinde Histaminin Ultrasonik Destekli Örnek Hazırlama ve İyonik Sıvı Yardımlı Mikroekstraksiyon Sonrası Spektrofotometrik belirlenmes**
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- XLV. **FAAS Aracılığıyla Kuruyemiş Örneklerinde Eser Düzeyde Gümüş ve Kadmiyumun Belirlenmesi İçin Yeni Bir Prosedür**
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- L.I. **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**
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- Altunay N., Elik A., Project Supported by Higher Education Institutions, Bal örneklerinde ağır metallerin belirlenmesi için mikroekstraksiyon parametrelerinin kemometrik çalışmayla optimizasyonu, 2018 - 2021
- Altunay N., Kasaka E., Taşkın Çakıcı G., Project Supported by Higher Education Institutions, Yıldız Irmağı Suyunun Kimyasal Özelliklerinin (NH₄-N, NO₃-N, SiO₂-Si, Ca²⁺) ve Eser Elementlerin (Mn, Fe, Pb, Cd) Sıvı-Sıvı Mikroekstraksiyon Analitik Yöntemi ile Belirlenmesi, 2018 - 2020
- Altunay N., Gürkan R., Kaya S., Elik A., Project Supported by Higher Education Institutions, 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., Project Supported by Higher Education Institutions, 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., Project Supported by Higher Education Institutions, 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
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Tasks In Event Organizations

Ulusoy H. İ., Bağda E., Oymak T., Altunay N., Ulusoy S., Şimşek S., Yılmaz E., V. Interantional Trace Analysis Congress, Scientific Congress, Sivas, Turkey, Haziran 2018

Metrics

Publication: 242

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Citation (Scopus): 3280

H-Index (WoS): 33

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2nd International Environmental Chemistry Congress (EnviroChem), Working Group, Antalya, Turkey, 2019

Eurasia 3rd international congress of applied sciences , Working Group, Sivas, Turkey, 2019

International Eurasian Congress on Natural Nutrition Healthy Life , Working Group, Ankara, Turkey, 2018

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

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

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

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

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2.International Turkish Congress on Molecular Spectroscopy , Working Group, Muğla, Turkey, 2017

15. Ulusal Spektroskopi Kongresi, Working Group, Yalova, Turkey, 2017

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

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

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

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

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

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III. Eser Analiz Çalıştayı, Working Group, Tokat, Turkey, 2014

6th Black Sea Basin Conference on Analytical Chemistry, Working Group, Trabzon, Turkey, 2013

XIII. Ulusal Spektroskop kongresi, Working Group, Burdur, Turkey, 2013