

SÜLEYMAN BODUR

RESEARCH ASSISTANT

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Education

Doctoral 2022	YILDIZ TECHNICAL UNIVERSITY->INSTITUTE OF SCIENCE->ANALYTICAL CHEMISTRY (FACULTY OF SCIENCE, SCIENCE-LITERATURE, BASIC SCIENCES) (PhD)
Master (Thesis) 2019 18/Temmuz/2022	YILDIZ TECHNICAL UNIVERSITY->INSTITUTE OF SCIENCE->ANALYTICAL CHEMISTRY (FACULTY OF SCIENCE, SCIENCE-LITERATURE, BASIC SCIENCES) (MASTER) (WITH THESIS) Thesis name: Seçili pestisitlerin, ilaç etken maddelerinin ve inorganik analitlerin spektroskopik ve kromatografik tayinlerine yönelik yenilikçi analitik yöntemlerin geliştirilmesi (2022) Thesis Advisor:(PROF. DR. SEZGİN BAKIRDERE ; PROF. DR. NURAY ATEŞ)
Bachelor's Degree 2013 5/Temmuz/2019	YILDIZ TECHNICAL UNIVERSITY->FACULTY OF ARTS AND SCIENCES->DEPARTMENT OF CHEMISTRY->CHEMISTRY PR. (ENGLISH)

Academic Title

RESEARCH ASSISTANT 27.04.2022 İSTİNYE UNIVERSITY/ECZACILIK FAKÜLTESİ/TEMEL ECZACILIK BİLİMLERİ BÖLÜMÜ/ANALİTİK KİMYA ANABİLİM DALI

Positions in Projects:

- Özgün Sıvı-Sıvı Mikroekstraksiyon İzotop Seyreltme Kütle Spektroskopisi Yöntemleri Kullanılarak Bisfenol A'nın Farklı Çevre Örneklerinde Yüksek Doğruluk ve Duyarlılıkta Tayini, Scientific Research Project Supported by Higher Education Institutions, Yürütücü:SEZGİN BAKIRDERE, Araştırmacı:SÜLEYMAN BODUR, Araştırmacı:SEZİN ERARPAT, Araştırmacı:GAMZE DALGIÇ BOZYİĞİT, Araştırmacı:ERSOY ÖZ, Araştırmacı:NİZAMETTİN ÖZDOĞAN, , 10/01/2020 - 25/12/2020 (NATIONAL)
- Özgün Dörtlü İzotop Seyreltme Yöntemi Kullanılarak Kan ve İdrar Örneklerinde Eser Seviyelerde Bulunan Parasetamolün Yüksek Doğruluk ve Duyarlılıkta Tayini, Scientific Research Project Supported by Higher Education Institutions, Araştırmacı:SEZGİN BAKIRDERE, Araştırmacı:SÜLEYMAN BODUR, Araştırmacı:SEZİN ERARPAT, Yürütücü:FATMA TURAK, Araştırmacı:ÖMER TAHİR GÜNKARA, Araştırmacı:Rabia Demirel, , 14/04/2021 - 21/04/2022 (NATIONAL)
- COVID-19 ve Yeniden Ortaya Çıkan İnfluenza Tipi Virüslerin Tedavisinde Kullanılan Favipiravirin İzotopik Türevlerinin Sentezlenmesi ve Kan, İdrar, Atık Su Örneklerinde Eser Seviyelerde Tayini , Scientific Research Project Supported by Higher Education Institutions, Yürütücü:ÖMER TAHİR GÜNKARA, Araştırmacı:SEZGİN BAKIRDERE, Araştırmacı:SEZİN ERARPAT BODUR, Araştırmacı:SÜLEYMAN BODUR, Bursiyer:MEHRDAD RASOULI, , 01/03/2024 (In Progress) (NATIONAL)

- SARS-CoV-2 (COVID-19) Tedavisinde Kullanılan Klorokin ve Hidroksiklorokin Kimyasallarının Kan, İdrar ve Tükürük Örneklerinde Yüksek Doğruluk ve Duyarlılıkta Hızlı Tayinlerine Yönelik İzotop Seyreltme Esaslı Analitik Yöntem Geliştirilmesi, TUSEB, Yürütücü:SEZGİN BAKIRDERE, Yardımcı Personel:SÜLEYMAN BODUR, Araştırmacı:ÖMER TAHİR GÜNKARA, Araştırmacı:SEZİN ERARPAT, , 01/06/2020 - 31/12/2020 (NATIONAL)
- Biyolojik, Çevre ve Gıda Örneklerinde Bulunan Kapsaisin Mikroekestraksiyon Yöntemleri ile Birleştirilmiş Dörtlü İzotop Seyreltme Kütle Spektrometrisi ile Eser Seviyelerde Yüksek Doğruluk ve Duyarlılıkta Tayini, TUBITAK Project (1001), Yürütücü:SEZGİN BAKIRDERE, Araştırmacı:ÖMER TAHİR GÜNKARA, Araştırmacı:SEZİN ERARPAT, Bursiyer:ESRA SULTAN DORU, Bursiyer:YAREN DİKMEN, Bursiyer:Merve Fırat Ayyıldız, Bursiyer:SÜLEYMAN BODUR, , 15/04/2022 - 15/05/2024 (NATIONAL)
- Konya Altınapa Barajı'na Pestisit Taşınımının Modellenmesi ve Giderimi için Yenilikçi İleri Arıtım Yöntemlerinin Geliştirilmesi, TUBITAK Project (1001), Bursiyer:SÜLEYMAN BODUR, Araştırmacı:SEZGİN BAKIRDERE, Yürütücü:NURAY ATEŞ, Araştırmacı:FİLİZ DADAŞER ÇELİK, Araştırmacı:ŞEHNAZ ŞULE KAPLAN BEKAROĞLU, Araştırmacı:NİĞMET UZAL, , 01/04/2019 - Atom Tuzaklı Yarıklı Kuvars Tüp-Alev Atomik Absorpsiyon Spektrofotometre Sisteminde Bizmutun İçme Suyu ve Maden Suyu Örneklerinde Eser Seviyelerde Tayini, TUBITAK Project, Yürütücü:SÜLEYMAN BODUR, Danışman:SEZGİN BAKIRDERE, , 15/12/2017 - 15/09/2018 (NATIONAL)

Administrative Position

Executive Board Membership 20.02.2024	ISTINYE UNIVERSITY->SCIENTIFIC AND TECHNOLOGICAL STUDIES CENTER/BİLİMSEL VE TEKNOLOJİK ARAŞTIRMA VE UYGULAMA MERKEZİ
Commission Membership 27.04.2022	ISTINYE UNIVERSITY->FACULTY OF PHARMACY/ECZACILIK FAKÜLTESİ

Awards

- En iyi poster ödülü (ikincilik), VI. Eser Analiz Kongresi, 2024
- En iyi poster ödülü (Birincilik), 11th Aegean Analytical Chemistry Days, GREECE, 2018
- En iyi poster ödülü (ikincilik), 8th Black Sea Basin Conference on Analytical Chemistry (8th BBCAC), 2018

Works

Articles published in international refereed journals:

- CHORMEY DOTSE SELALİ,ÖZTÜRK ER ELİF,ERARPAT BODUR SEZİN,ZAMAN BUSE TUĞBA,BODUR SÜLEYMAN,BORAHAN KUSTANTO TULAY,KAYIN İNCİ,BAKIRDERE SEZGİN (2025). Trace element determination using mass spectrometry coupled detection methods. Trends in Environmental Analytical Chemistry, 45, Doi: 10.1016/j.teac.2024.e00257 (Publication No: 9484638)
- BODUR SÜLEYMAN,ERARPAT BODUR SEZİN,GÜRSOY SELİM,Fırat Ayyıldız Merve,KARTOĞLU BEDRIHAN,Akbiyık Hilal,GÜNKARA ÖMER TAHİR,BAKIRDERE SEZGİN (2025). Dispersive solid phase extraction and quadruple isotope dilution-mass spectrometry combination for the accurate and sensitive quantification of capsaicin in pepper, domestic wastewater and human saliva samples by GC-MS system. Microchemical Journal, 208, Doi: 10.1016/j.microc.2024.112246 (Publication No: 9484635)
- Fırat Ayyıldız Merve,BODUR SÜLEYMAN,BAKIRDERE SEZGİN (2025). A sensitive determination of lead by hydride generation integrated with micro-sampling gas-liquid separator-FAAS after preconcentration by NiFe₂O₄ nanoparticles. Scientific Reports, 15, Doi: 10.1038/s41598-025-87759-1 (Publication No: 9484637)
- KARADEMİR TUTAR BAHAR,TUTAR ÖMER FARUK,BODUR SÜLEYMAN,DERİN YAVUZ,TUTAR AHMET,BAKIRDERE SEZGİN (2025). Determination of copper at trace levels in fennel tea samples by flame atomic absorption spectrometry after the implementation of simultaneous complexation and supramolecular solvent based spraying assisted liquid phase microextraction. Journal of Food Composition and Analysis, 137, Doi: 10.1016/j.jfca.2024.106993 (Publication No: 9484632)
- Ular Çağatay Neşe,BODUR SÜLEYMAN,ERARPAT BODUR SEZİN,Maviş Murat Emrah,BAKIRDERE SEZGİN (2025). Combination of quadruple isotope dilution strategy and dispersive solid phase extraction method for accurate quantification of selected steroid hormones. Analytical Methods, 17, Doi: 10.1039/d4ay01545b (Publication No: 9484626)
- KUTLU RABİA,BODUR SÜLEYMAN,GÜNKARA ÖMER TAHİR,BAKIRDERE SEZGİN (2024). Combination of spraying based liquid phase microextraction and liquid chromatography-tandem mass spectrometry for the determination of colchicine at ultra-trace levels in artificial urine and serum samples. Microchemical Journal, 207, Doi: 10.1016/j.microc.2024.112071 (Publication No: 9186281)

Articles published in international refereed journals:

7. KARTOĞLU BEDRİHAN,BODUR SÜLEYMAN,BAKIRDERE EMİNE GÜLHAN,BAKIRDERE SEZGİN (2024). A simple and efficient supramolecular solvent based liquid phase microextraction method for the preconcentration of nickel from dandelion tea samples before FAAS quantification, and the practicality and greenness assessment of developed method. *Microchemical Journal*, 205, Doi: 10.1016/j.microc.2024.111349 (Publication No: 9186275)
8. BODUR SÜLEYMAN,ERARPAT BODUR SEZİN,KARADEMİR TUTAR BAHAR,BAKIRDERE SEZGİN,YAĞMUROĞLU OZAN (2024). Development of dispersive solid phase extraction method for the preconcentration of parathion ethyl as a simulant of nerve agent sarin from soil, plant and water samples prior to GC-MS determination. *Environmental Monitoring and Assessment*, 196, Doi: 10.1007/s10661-024-13007-0 (Publication No: 9186277)
9. ERARPAT BODUR SEZİN,BODUR SÜLEYMAN,Fırat Ayyıldız Merve,GÜNKARA ÖMER TAHİR,DİKMEN YAREN,DORU ESRA SULTAN,BAKIRDERE SEZGİN (2024). Determination of capsaicin at trace levels in different food, biological and environmental samples by quadruple isotope dilution-gas chromatography mass spectrometry after its preconcentration. *Journal of Chromatography A*, 1731, Doi: 10.1016/j.chroma.2024.465147 (Publication No: 9186268)
10. KARTOĞLU BEDRİHAN,BODUR SÜLEYMAN,ZEYDANLI DAMLA,GÖVER TUĞÇE,ÖZAYDIN ECEM,BAKIRDERE EMİNE GÜLHAN,BAKIRDERE SEZGİN (2024). Determination of copper in rose tea samples using flame atomic absorption spectrometry after emulsification liquid-liquid microextraction. *Food Chemistry*, 439, Doi: 10.1016/j.foodchem.2023.138140 (Publication No: 9186263)
11. ERARPAT BODUR SEZİN,AYAN GİZEM NUR,BODUR SÜLEYMAN,GÜNKARA ÖMER TAHİR,BAKIRDERE SEZGİN (2024). Determination of phenytoin at trace levels in domestic wastewater and synthetic urine samples by gas chromatography-mass spectrometry after its preconcentration by simple liquid-phase microextraction. *Environmental Monitoring and Assessment*, 196, Doi: 10.1007/s10661-024-12544-y (Publication No: 9186267)
12. CHORMEY DOTSE SELALİ,ZAMAN BUSE TUĞBA,BORAHAN KUSTANTO TÜLAY,ERARPAT BODUR SEZİN,BODUR SÜLEYMAN,ÖZTÜRK ER ELİF,BAKIRDERE SEZGİN (2024). Deep eutectic solvents for the determination of endocrine disrupting chemicals. *Talanta*, 268, Doi: 10.1016/j.talanta.2023.125340 (Publication No: 9186261)
13. BODUR SÜLEYMAN,KARADEMİR TUTAR BAHAR,TUTAR ÖMER FARUK,BAKIRDERE SEZGİN (2024). An accurate and sensitive determination of selected pesticides in mixed fruit juice samples using the combination of a simple and efficient microextraction method and GC-MS with a matrix matching calibration strategy. *Analytical Methods*, 16, Doi: 10.1039/d3ay02327c (Publication No: 9186266)
14. BODUR SÜLEYMAN,ERARPAT BODUR SEZİN,TUTAR ÖMER FARUK,BAKIRDERE SEZGİN (2023). Spray assisted preconcentration method combined with HPLC - Continuous flow hydride generation - FAAS for inorganic arsenic speciation in olive oil samples. *Journal of Food Composition and Analysis*, 123, Doi: 10.1016/j.jfca.2023.105531 (Publication No: 9186257)
15. BODUR SÜLEYMAN,ERARPAT BODUR SEZİN,GÜNKARA ÖMER TAHİR,BAKIRDERE SEZGİN (2023). A powerful combination of liquid chromatography-triple quadrupole mass spectrometry and quadruple isotope dilution strategy for the determination of fenuron at trace levels in river water, stream water and fruit juice samples. *Journal of Food Composition and Analysis*, 123, Doi: 10.1016/j.jfca.2023.105563 (Publication No: 9186258)
16. BODUR SÜLEYMAN,ERARPAT BODUR SEZİN,KAYIN İNCİ,BAKIRDERE SEZGİN (2023). Cadmium determination at trace levels in lake water samples by cold vapor generation-atomic absorption spectrometry after magnetic dispersive solid phase extraction. *Chemical Papers*, 77, Doi: 10.1007/s11696-023-02963-5 (Publication No: 9186256)
17. YAZICI ELİF,BODUR SÜLEYMAN,ERARPAT BODUR SEZİN,Arslan Ulaş Emre,BAKIRDERE SEZGİN (2023). Assessment of external calibration, internal standard calibration and quadruple isotope dilution strategies for the determination of acrylamide in wastewater samples after LC-MS/MS quantification. *Microchemical Journal*, 190, Doi: 10.1016/j.microc.2023.108741 (Publication No: 9186255)
18. BODUR SÜLEYMAN,ERARPAT BODUR SEZİN,TUTAR ÖMER FARUK,BAKIRDERE SEZGİN (2023). A simple spray assisted extraction/preconcentration of cadmium from sunflower oil, olive oil and hazelnut oil samples prior to flame atomic absorption spectrometry determination. *Journal of Food Composition and Analysis*, 117, Doi: 10.1016/j.jfca.2023.105144 (Publication No: 9186253)
19. Demirel Rabia,ERARPAT BODUR SEZİN,BODUR SÜLEYMAN,GÜNKARA ÖMER TAHİR,BAKIRDERE SEZGİN,TURAK FATMA (2023). Synthesis of Isotopic Labelled Paracetamol Benzoate-d3 and Its Application in the Determination of Paracetamol. *ChemistrySelect*, 8, Doi: 10.1002/slct.202203851 (Publication No: 9186254)
20. CHORMEY DOTSE SELALİ,ZAMAN BUSE TUĞBA,BORAHAN TÜLAY,ERARPAT BODUR SEZİN,BODUR SÜLEYMAN,TEKİN ZEYNEP,NEJATİ OMİD,BAKIRDERE SEZGİN (2023). Biogenic synthesis of novel nanomaterials and their applications. *Nanoscale*, 15, Doi: 10.1039/d3nr03843b (Publication No: 9186264)
21. ERARPAT BODUR SEZİN,BODUR SÜLEYMAN,GÜNKARA ÖMER TAHİR,BAKIRDERE SEZGİN (2022). Combination of high performance liquid chromatography and flame atomic absorption

Articles published in international refereed journals:

- spectrophotometry using a novel nebulizer interface supported T shaped slotted quartz tube for the determination of Vitamin B12. *Journal of Pharmaceutical and Biomedical Analysis*, 217, Doi: 10.1016/j.jpba.2022.114855 (Publication No: 9186252)
22. ERARPAT BODUR SEZİN, BODUR SÜLEYMAN, ÖNER MİRAY, GÜNKARA ÖMER TAHİR, BAKIRDERE SEZGİN (2022). A simple and efficient derivatization strategy combined with switchable solvent liquid-liquid microextraction hydroxychloroquine methyl acetate-d3-based quadruple isotope dilution gas chromatography mass spectrometry for the determination of hydroxychloroquine sulfate in biological fluids. *Rapid Communications in Mass Spectrometry*, 36, Doi: 10.1002/rcm.9282 (Publication No: 9186250)
 23. BODUR SÜLEYMAN, ERARPAT BODUR SEZİN, GÜNKARA ÖMER TAHİR, BAKIRDERE SEZGİN (2022). One step derivatization and dispersive liquid-liquid microextraction of hydroxychloroquine sulfate for its sensitive and accurate determination using GC-MS. *Journal of Pharmacological and Toxicological Methods*, 113, Doi: 10.1016/j.vascn.2021.107130 (Publication No: 9186248)
 24. ÖZTÜRK ER ELİF, ERARPAT SEZİN, BODUR SÜLEYMAN, GÜNKARA ÖMER TAHİR, ÖZBEK BELMA, BAKIRDERE SEZGİN (2022). Accurate determination of amino acids by quadruple isotope dilution-reverse phase liquid Chromatography-Tandem mass spectrometry after derivatization with 2-Naphthoyl chloride. *Journal of Chromatography A*, 1667, Doi: 10.1016/j.chroma.2022.462870 (Publication No: 7684005)
 25. ERARPAT BODUR SEZİN, BODUR SÜLEYMAN, CHORMEY DOTSE SELALİ, ÖZ ERSOY, BAKIRDERE SEZGİN (2021). Sensitive Determination of 4-n-Nonylphenol in Domestic Wastewater and Liquid Detergent by Binary Solvent Microextraction (BSME) and Gas Chromatography-Mass Spectrometry (GC-MS) with Matrix Matching Calibration. *Analytical Letters*, 55, Doi: 10.1080/00032719.2021.1985511 (Publication No: 9186246)
 26. ERARPAT BODUR SEZİN, BODUR SÜLEYMAN, ÖNER MİRAY, GÜNKARA ÖMER TAHİR, BAKIRDERE SEZGİN (2021). Quadruple isotope dilution gas chromatography-mass spectrometry after simultaneous derivatization and spraying based fine droplet formation liquid phase microextraction method for the accurate and sensitive quantification of chloroquine phosphate in human serum, urine and saliva samples at trace levels. *Journal of Chromatography A*, 1651, Doi: 10.1016/j.chroma.2021.462273 (Publication No: 9186242)
 27. ÖNER MİRAY, BODUR SÜLEYMAN, DEMİR CANSU, YAZICI ELİF, ERARPAT BODUR SEZİN, BAKIRDERE SEZGİN (2021). An effective and rapid magnetic nanoparticle based dispersive solid phase extraction method for the extraction and preconcentration of cadmium from edible oil samples before ICP OES measurement. *Journal of Food Composition and Analysis*, 101, Doi: 10.1016/j.jfca.2021.103978 (Publication No: 9186238)
 28. BODUR SÜLEYMAN, ERARPAT BODUR SEZİN, GÜNKARA ÖMER TAHİR, BAKIRDERE SEZGİN (2021). Accurate and sensitive determination of hydroxychloroquine sulfate used on COVID-19 patients in human urine, serum and saliva samples by GC-MS. *Journal of Pharmaceutical Analysis*, 11, Doi: 10.1016/j.jpba.2021.01.006 (Publication No: 9186233)
 29. BODUR SÜLEYMAN, ÖNER MİRAY, ERARPAT BODUR SEZİN, BAKIRDERE SEZGİN (2021). Determination of selenite and selenomethionine in kefir grains by reversed-phase high-performance liquid chromatography-inductively coupled plasma-optical emission spectrometry. *Journal of Separation Science*, 44, Doi: 10.1002/jssc.202100359 (Publication No: 9186240)
 30. BÜYÜKPINAR ÇAĞDAŞ, BODUR SÜLEYMAN, YAZICI ELİF, TEKİN ZEYNEP, SAN NEVİM, KOMESLİ OKAN TARIK, BAKIRDERE SEZGİN (2021). An accurate analytical method for the determination of cadmium: Ultraviolet based photochemical vapor generation-slotted quartz tube based atom trap-flame atomic absorption spectrophotometry. *Measurement*, 176, Doi: 10.1016/j.measurement.2021.109192 (Publication No: 9186229)
 31. ÖNER MİRAY, BODUR SÜLEYMAN, ERARPAT BODUR SEZİN, BAKIRDERE SEZGİN (2021). A Novel Hydrogen Fluoride Assisted-Glass Surface Etching Based Liquid Phase Microextraction for the Determination of 4-n-Nonylphenol in Water by Gas Chromatography-Mass Spectrometry with Matrix Matching Strategy. *Analytical Sciences*, 37, Doi: 10.2116/analsci.21P013 (Publication No: 9186221)
 32. BODUR SÜLEYMAN, ERARPAT BODUR SEZİN, GÜNKARA ÖMER TAHİR, BAKIRDERE SEZGİN (2021). Development of an easy and rapid analytical method for the extraction and preconcentration of chloroquine phosphate from human biofluids prior to GC-MS analysis. *Journal of Pharmacological and Toxicological Methods*, 108, Doi: 10.1016/j.vascn.2021.106949 (Publication No: 9186222)
 33. BODUR SÜLEYMAN, ERARPAT BODUR SEZİN, BALÇIK UTKU, BAKIRDERE SEZGİN (2021). A rapid, sensitive and accurate determination of cobalamin with double monitoring system: HPLC-UV and HPLC-ICP-OES. *Food Chemistry*, 340, Doi: 10.1016/j.foodchem.2020.127945 (Publication No: 9186225)
 34. DEMİR CANSU, ÖNER MİRAY, BODUR SÜLEYMAN, ÖZTÜRK ER ELİF, BAKIRDERE SEZGİN (2021). A Simple and Efficient Extraction Method for the Preconcentration of Copper in Tap Water and Linden Tea Samples Prior to FAAS Measurement. *ChemistrySelect*, 6, Doi: 10.1002/slct.202100149 (Publication No: 9186226)

Articles published in international refereed journals:

35. YAZICI ELİF, BÜYÜKPINAR ÇAĞDAŞ, BODUR SÜLEYMAN, SAN NEVİM, KOMESLİ OKAN TARIK, BAKIRDERE SEZGİN (2021). An accurate analytical method for the determination of antimony in tea and tap water samples: photochemical vapor generation-atom trapping prior to FAAS measurement. *Chemical Papers*, 75, Doi: 10.1007/s11696-021-01569-z (Publication No: 9186236)
36. ERARPAT BODUR SEZİN, BODUR SÜLEYMAN, BAKIRDERE SEZGİN (2021). Nanoparticles Based Extraction Strategies for Accurate and Sensitive Determination of Different Pesticides. *Critical Reviews in Analytical Chemistry*, 52, Doi: 10.1080/10408347.2021.1876552 (Publication No: 9186244)
37. BÜYÜKPINAR ÇAĞDAŞ, BODUR SÜLEYMAN, SAN NEVİM, KOMESLİ OKAN TARIK, BAKIRDERE SEZGİN (2020). Photochemical Vapor Generation Based Accurate Determination of Cadmium in Wastewater Using Novel Photoreactor and Gas-Liquid Separators Using Flame Atomic Absorption Spectrometry with Matrix Matching Calibration. *Analytical Letters*, 54, Doi: 10.1080/00032719.2020.1858308 (Publication No: 9186204)
38. BODUR SÜLEYMAN, ERARPAT BODUR SEZİN, DALGIÇ BOZYİĞİT GAMZE, CHORMEY DOTSE SELALİ, ÖZ ERSOY, ÖZDOĞAN NİZAMETTİN, BAKIRDERE SEZGİN (2020). A sensitive determination method for trace bisphenol A in bottled water and wastewater samples: Binary solvent liquid phase microextraction-quadrupole isotope dilution-gas chromatography-mass spectrometry. *Microchemical Journal*, 159, Doi: 10.1016/j.microc.2020.105532 (Publication No: 9186202)
39. YAZICI ELİF, BÜYÜKPINAR ÇAĞDAŞ, BODUR SÜLEYMAN, SAN NEVİM, KOMESLİ OKAN TARIK, BAKIRDERE SEZGİN (2020). Ultrasonic assisted glass bead loaded gas liquid separator-photochemical vapor generation-T-shaped slotted quartz tube-flame atomic absorption spectrophotometry system for antimony determination in tap water and wastewater samples. *Chemical Papers*, 75, Doi: 10.1007/s11696-020-01392-y (Publication No: 9186228)
40. BODUR SÜLEYMAN, ERARPAT BODUR SEZİN, BAKIRDERE SEZGİN (2020). Fe₃O₄/reduced graphene oxide nanocomposites based dispersive solid phase microextraction for trace determination of profenofos in white rice flour samples. *Journal of Food Composition and Analysis*, 91, Doi: 10.1016/j.jfca.2020.103516 (Publication No: 9186192)
41. BODUR SÜLEYMAN, BORAHAN TULAY, ATEŞ NURAY, BAKIRDERE SEZGİN (2020). Sensitive Determination of Acetochlor, Alachlor, Metolachlor and Fenthion Utilizing Mechanical Shaking Assisted Dispersive Liquid-Liquid Microextraction Prior to Gas Chromatography-Mass Spectrometry. *Bulletin of Environmental Contamination and Toxicology*, 105, Doi: 10.1007/s00128-020-02965-z (Publication No: 9186197)
42. DİKMEN YAREN, GÜLERYÜZ AYBÜKE, METİN BERFİN, BODUR SÜLEYMAN, ÖNER MİRAY, BAKIRDERE SEZGİN (2020). A novel and rapid extraction protocol for sensitive and accurate determination of prochloraz in orange juice samples: Vortex-assisted spraying-based fine droplet formation liquid-phase microextraction before gas chromatography-mass spectrometry. *Journal of Mass Spectrometry*, 55, Doi: 10.1002/jms.4622 (Publication No: 9186201)
43. ERARPAT BODUR SEZİN, BODUR SÜLEYMAN, Fırat Ayyıldız Merve, GÜNKARA ÖMER TAHİR, ERULAŞ FATİH AHMET, CHORMEY DOTSE SELALİ, TURAK FATMA, BUDAK TÜRKAN, BAKIRDERE SEZGİN (2020). Accurate and simple determination of oxcarbazepine in human plasma and urine samples using switchable-hydrophilicity solvent in GC-MS. *Biomedical Chromatography*, 34, Doi: 10.1002/bmc.4915 (Publication No: 9186199)
44. BODUR SÜLEYMAN, ERARPAT BODUR SEZİN, GÜNKARA ÖMER TAHİR, CHORMEY DOTSE SELALİ, BAKIRDERE SEZGİN (2020). A new derivatization method for the determination of propineb in black tea and infant formula samples using dispersive liquid-liquid microextraction followed by gas chromatography-mass spectrometry. *Talanta*, 213, Doi: 10.1016/j.talanta.2020.120846 (Publication No: 9186191)
45. BODUR SÜLEYMAN, ÖZLÜ CANSU, TIŞLI BÜŞRA, FIRAT MERVE, CHORMEY DOTSE SELALİ, BAKIRDERE SEZGİN (2020). Analytical protocol for determination of endosulfan beta, prothion, chlorpyrifos, and acibenzolar-s-methyl in lake water and wastewater samples by gas chromatography-mass spectrometry after dispersive liquid-liquid microextraction. *Environmental Monitoring and Assessment*, 192, Doi: 10.1007/s10661-020-8214-5 (Publication No: 9186184)
46. ERARPAT BODUR SEZİN, BODUR SÜLEYMAN, ÖZTÜRK ER ELİF, BAKIRDERE SEZGİN (2020). Combination of ultrasound-assisted ethyl chloroformate derivatization and switchable solvent liquid-phase microextraction for the sensitive determination of L-methionine in human plasma by GC-MS. *Journal of Separation Science*, 43, Doi: 10.1002/jssc.201901078 (Publication No: 9186183)
47. BODUR SÜLEYMAN, ERARPAT BODUR SEZİN, CHORMEY DOTSE SELALİ, DALGIÇ BOZYİĞİT GAMZE, ÖZ ERSOY, ÖZDOĞAN NİZAMETTİN, BAKIRDERE SEZGİN (2020). Assessment of different isotope dilution strategies and their combination with switchable solvent-based liquid phase microextraction prior to the quantification of bisphenol A at trace levels via GC-MS. *New Journal of Chemistry*, 44, Doi: 10.1039/d0nj02706e (Publication No: 9186194)
48. ERARPAT BODUR SEZİN, BODUR SÜLEYMAN, ÖZ ERSOY, BAKIRDERE SEZGİN (2019). Determination of butyltin compounds in fish and mussel samples at trace levels by vortex assisted dispersive liquid-liquid microextraction-gas chromatography mass spectrometry. *Journal of Food Composition and Analysis*, 82, Doi: 10.1016/j.jfca.2019.103248 (Publication No: 9186180)

Articles published in international refereed journals:

49. BODUR SÜLEYMAN,BAKIRDERE EMİNE GÜLHAN (2019). Simultaneous determination of selected herbicides in dam lake, river and well water samples by gas chromatography mass spectrometry after vortex assisted binary solvent liquid phase microextraction. *Microchemical Journal*, 145, Doi: 10.1016/j.microc.2018.10.033 (Publication No: 9186174)
50. ERARPAT BODUR SEZİN,BODUR SÜLEYMAN,CHORMEY DOTSE SELALİ,BAKIRDERE SEZGİN (2019). Switchable solvent liquid-phase microextraction-gas chromatography-quadrupole isotope dilution mass spectrometry for the determination of 4-n-nonylphenol in municipal wastewater. *Microchemical Journal*, 144, Doi: 10.1016/j.microc.2018.08.049 (Publication No: 9186169)
51. CHORMEY DOTSE SELALİ,BODUR SÜLEYMAN,BASKIN DİLGEŞ,FIRAT MERVE,BAKIRDERE SEZGİN (2018). Accurate and sensitive determination of selected hormones, endocrine disruptors, and pesticides by gas chromatography-mass spectrometry after the multivariate optimization of switchable solvent liquid-phase microextraction. *Journal of Separation Science*, 41, Doi: 10.1002/jssc.201800223 (Publication No: 9186168)
52. ERARPAT BODUR SEZİN,ÇAĞLAK ABDULKADİR,BODUR SÜLEYMAN,CHORMEY DOTSE SELALİ,ENGİN GÜLEDA,BAKIRDERE SEZGİN (2018). Simultaneous Determination of Fluoxetine, Estrone, Pesticides, and Endocrine Disruptors in Wastewater by Gas Chromatography-Mass Spectrometry (GC-MS) Following Switchable Solvent-Liquid Phase Microextraction (SS-LPME). *Analytical Letters*, 52, Doi: 10.1080/00032719.2018.1505897 (Publication No: 9186176)
53. BODUR SÜLEYMAN,ERARPAT BODUR SEZİN,CHORMEY DOTSE SELALİ,BÜYÜKPINAR ÇAĞDAŞ,BAKIRDERE SEZGİN (2018). Determination of Bismuth in Bottled and Mineral Water Samples at Trace Levels by T-Shaped Slotted Quartz tube-Atom Trap-Flame Atomic Absorption Spectrometry. *Analytical Letters*, 52, Doi: 10.1080/00032719.2018.1477790 (Publication No: 9186177)
54. FIRAT MERVE,BODUR SÜLEYMAN,TIŞLI BÜŞRA,ÖZLÜ CANSU,CHORMEY DOTSE SELALİ,TURAK FATMA,BAKIRDERE SEZGİN (2018). Vortex-assisted switchable liquid-liquid microextraction for the preconcentration of cadmium in environmental samples prior to its determination with flame atomic absorption spectrometry. *Environmental Monitoring and Assessment*, 190, Doi: 10.1007/s10661-018-6786-0 (Publication No: 9186166)

B. Papers presented at international scientific meetings and published in proceedings :

1. AKKUŞ NUR BEGÜM,BODUR SÜLEYMAN,ERARPAT BODUR SEZİN,GÜNKARA ÖMER TAHİR,BAKIRDERE SEZGİN (2023). Synthesis, purification and application of isotopic derivatives of various antiepileptic and analgesic drug active substances in analytical determination methods. 12th Aegean Analytical Chemistry Days (AACD2023) (Abstract/Poster) (Publication No: 9186327)
2. COŞAR BESTE,BODUR SÜLEYMAN,ERARPAT BODUR SEZİN,GÜNKARA ÖMER TAHİR,BAKIRDERE SEZGİN (2023). Synthesis of some isotopically labelled pesticide compounds and their analytical applications. 12th Aegean Analytical Chemistry Days (AACD2023) (Abstract/Poster) (Publication No: 9186313)
3. AKDEMİR MELİKE,EROĞLU KUMSAL,ERARPAT BODUR SEZİN,BODUR SÜLEYMAN,GÜNKARA ÖMER TAHİR,BAKIRDERE SEZGİN (2023). A new Schiff base (N-(5-nitro-2-((Z)-thiophen-2-ylmethylene) amino)phenyl 1-(thiophen-2-yl)methanimine) ligand for metal determination: synthesis, characterization and analytical applications. 12th Aegean Analytical Chemistry Days (AACD2023) (Abstract/Poster) (Publication No: 9186322)
4. ACAR ÖZLEM,EROĞLU KUMSAL,ERARPAT BODUR SEZİN,BODUR SÜLEYMAN,GÜNKARA ÖMER TAHİR,BAKIRDERE SEZGİN (2023). Synthesis and characterization of ne Schiff bases containing quinazoline rings and their analytical applications. 12th Aegean Analytical Chemistry Days (AACD2023) (Abstract/Poster) (Publication No: 9186323)
5. GÖNÜL EZGİ,EROĞLU KUMSAL,ERARPAT BODUR SEZİN,BODUR SÜLEYMAN,GÜNKARA ÖMER TAHİR,BAKIRDERE SEZGİN (2023). Synthesis, characterization and analytical applications of a new Schiff base ((1E,1'E)-N,N'-(4-nitro-1,2-phenylene)bis(1-(5-methylthiophen-2-yl)methanimine) for metal determination. 12th Aegean Analytical Chemistry Days (AACD2023) (Abstract/Poster) (Publication No: 9186318)
6. YAZICI ELİF, BODUR SÜLEYMAN, ERARPAT SEZİN, Arslan Ulaş Emre, BAKIRDERE SEZGİN (2023). Accurate and sensitive determination of acrylamide in wastewater samples by quadrupole isotope dilution strategy before liquid chromatography-triple quadrupole mass spectrometry. 19th Asian Chemical Congress (Abstract/Poster) (Publication No: 8416979)
7. BODUR SÜLEYMAN, ERARPAT SEZİN, GÜNKARA ÖMER TAHİR, BAKIRDERE SEZGİN (2023). Application of quadrupole isotope dilution using lab-synthesized fenuron-d6 for the accurate and precise determination of fenuron in river water, stream water and fruit juice samples by liquid chromatography triple quadrupole mass spectrometry. 19th Asian Chemical Congress (Abstract/Oral Presentation) (Publication No: 8416985)
8. BODUR SÜLEYMAN, ERARPAT SEZİN, TUTAR ÖMER FARUK, BAKIRDERE SEZGİN (2023). A new analytical approach for inorganic arsenic speciation in olive oil samples: A simple extraction

method combined with high performance liquid chromatography –continuous flow hydride generation – flame atomic absorption spectrometry. 19th Asian Chemical Congress (Abstract/Oral Presentation) (Publication No: 8416993)

9. BODUR SÜLEYMAN, ERARPAT SEZİN, GÜNKARA ÖMER TAHİR, BAKIRDERE SEZGİN (2023). Determination of chloroquine phosphate at trace levels in human serum, saliva and urine samples by gas chromatography–mass spectrometry after vortex assisted spraying based fine droplet formation liquid phase microextraction. 33rd International Symposium on Pharmaceutical and Biomedical Analysis (PBA2023) (Abstract/Oral Presentation) (Publication No: 8416950)
10. ERARPAT SEZİN, BODUR SÜLEYMAN, GÜNKARA ÖMER TAHİR, BAKIRDERE SEZGİN (2023). Determination of Vitamin B12 in vitamin tablets by high performance liquid chromatography combined with flame atomic absorption spectrophotometry with a novel nebulizer interface supported Tshaped slotted quartz tube. 33rd International Symposium on Pharmaceutical and Biomedical Analysis (PBA2023) (Abstract/Oral Presentation) (Publication No: 8416945)
11. Demirel Rabia, ERARPAT SEZİN, BODUR SÜLEYMAN, GÜNKARA ÖMER TAHİR, BAKIRDERE SEZGİN, TURAK FATMA (2022). Determination of Trace Levels of Paracetamol in Human Urine and Human Serum with High Accuracy and Sensitivity Using Dispersive Liquid-Liquid Microextraction Coupled to Quadruple Isotope Dilution GC-MS. 4th International Congress on Analytical and Bioanalytical Chemistry (4th ICABC 2022) (Abstract/Oral Presentation) (Publication No: 8313471)
12. ERARPAT SEZİN, BODUR SÜLEYMAN, Fırat Ayyıldız Merve, GÜNKARA ÖMER TAHİR, ERULAŞ FATİH AHMET, CHORMEY DOTSE SELALİ, TURAK FATMA, BUDAK BÖRKLÜ TÜRKAN, BAKIRDERE SEZGİN (2020). Determination of oxcarbazepine in urine and blood samples by gas chromatography-mass spectrometry after switchable solvent liquid phase microextraction method. 2nd International Congress on Analytical and Bioanalytical Chemistry (2nd ICABC) (Abstract/Poster) (Publication No: 8313468)
13. BODUR SÜLEYMAN, ERARPAT SEZİN, GÜNKARA ÖMER TAHİR, CHORMEY DOTSE SELALİ, BAKIRDERE SEZGİN (2020). An Accurate and Precise Determination Method for Propineb in Black Tea and Infant Formula Samples by GC-MS after Applying a New Derivatization Technique and Dispersive Liquid-Liquid Microextraction Method . 2nd International Congress on Analytical and Bioanalytical Chemistry (2nd ICABC) (Abstract/Oral Presentation) (Publication No: 8313464)
14. YAZICI ELİF, BÜYÜKPINAR ÇAĞDAŞ, BODUR SÜLEYMAN, SAN NEVİM, KOMESLİ OKAN TARIK, BAKIRDERE SEZGİN (2019). Ultraviolet Based Photochemical Vapor Generation T-Shaped Slotted Quartz Tube-Atom Trap-Flame Atomic Absorption Spectrophotometry for the Accurate and Sensitive Determination of Antimony. 2nd International Environmental Chemistry Congress (Abstract/Poster) (Publication No: 8313458)
15. ERARPAT SEZİN, BODUR SÜLEYMAN, ÖZ ERSOY, BAKIRDERE SEZGİN (2019). Sensitive and accurate determination of butyltin compounds in fish and mussel samples by vortex assisted dispersive liquidliquid microextraction-gas chromatography mass spectrometry. 1st Analytical and Bioanalytical Chemistry (Abstract/Oral Presentation) (Publication No: 8313451)
16. ERARPAT SEZİN, BODUR SÜLEYMAN, CHORMEY DOTSE SELALİ, BAKIRDERE SEZGİN (2018). Switchable solvent liquid-phase microextraction-gas chromatography-quadrupole isotope dilution mass spectrometry for the determination of 4-n-nonylphenol in municipal waste water. 11th Aegean Analytical Chemistry Days (Abstract/Oral Presentation) (Publication No: 8313432)
17. BODUR SÜLEYMAN, ERARPAT SEZİN, CHORMEY DOTSE SELALİ, BÜYÜKPINAR ÇAĞDAŞ, BAKIRDERE SEZGİN (2018). Determination of bismuth in bottled water and mineral water samples at trace levels by T-shaped slotted quartz tube-atom trap-flame atomic absorption spectrometry. 11th Aegean Analytical Chemistry Days (Abstract/Poster) (Publication No: 8313411)
18. BODUR SÜLEYMAN, BAKIRDERE EMİNE GÜLHAN (2018). Development of an accurate and sensitive binary solvent – liquid phase microextraction for the determination of nitrofen, bifenox and alachlor in dam lake water, river water and well water samples by gas chromatography-mass spectrometry. 11th Aegean Analytical Chemistry Days (Abstract/Oral Presentation) (Publication No: 8313423)
19. FIRAT AYYILDIZ MERVE, BODUR SÜLEYMAN, TIŞLI BÜŞRA, ÖZLÜ CANSU, CHORMEY DOTSE SELALİ, TURAK FATMA, BAKIRDERE SEZGİN (2018). Determination of Cadmium in Environmental Samples by Slotted Quartz Tube Flame Atomic Absorption Spectrometry after Vortex Assisted Switchable Liquid-Liquid Microextraction. 8th Black Sea Basin Conference on Analytical Chemistry (8th BBCAC) (Abstract/Poster) (Publication No: 8313441)

C. Authored national/international books or chapters in books:

C2. Chapters written in national/international books:

1. Comprehensive Sampling and Sample Preparation, Chapter name:(Application of liquid-liquid microextraction techniques for trace level determination of organic/inorganic analytes in biological, medical, environmental and forensic samples) (2025)., CHORMEY DOTSE SELALİ,ERARPAT BODUR SEZİN,ÖZTÜRK ER ELİF,ZAMAN BUSE TUĞBA,BODUR SÜLEYMAN,ŞAYLAN

E. Papers presented at national scientific meetings and published in

1. Fırat Ayyıldız Merve,BODUR SÜLEYMAN,BAKIRDERE SEZGİN (2024). Antartika'dan toplanan göl suyu örneklerinde kurşunun mikro örnekleyici gaz-sıvı ayırıcı-hidrür üretimi - NiFe₂O₄ manyetik nanopartiküllerine dayalı dağıtıcı katı faz ekstraksiyonu sonrası alevli atomik absorpsiyon spektrometresi ile tayin edilmesi. 35. Ulusal Kimya Kongresi (Abstract/Oral Presentation) (Publication No: 9186343)
2. YAZICI ELİF,Fırat Ayyıldız Merve,BODUR SÜLEYMAN,BAKIRDERE SEZGİN (2024). Kobaltın tayini için nanoyaprak şekilli bakır nitrat hidroksit temelli dağıtıcı katı faz ekstraksiyonu alevli atomik absorpsiyon spektrofotometresi ile çevresel örneklerde yöntem geliştirilmesi. 35. Ulusal Kimya Kongresi (Abstract/Poster) (Publication No: 9186346)
3. BODUR SÜLEYMAN,ERARPAT BODUR SEZİN,KAYIN İNCİ,BAKIRDERE SEZGİN (2024). Göl sularında eser seviyelerde bulunan kadmiyumun manyetik dağıtıcı katı faz ekstraksiyon sonrası soğuk buhar oluşturma-atomik absorpsiyon spektrometresi ile tayini. VI. Eser Analiz Kongresi (Abstract/Oral Presentation) (Publication No: 9186339)
4. BODUR SÜLEYMAN,KARADEMİR TUTAR BAHAR,TUTAR ÖMER FARUK,BAKIRDERE SEZGİN (2024). Karışık meyve suyu örneklerinde seçili pestisitlerin basit ve etkili bir mikroekstraksiyon yöntemi sonrası GC-MS sistemi ile matriks eşleştirme kalibrasyon stratejisi kullanılarak doğru ve duyarlı tayini. VI. Eser Analiz Kongresi (Abstract/Oral Presentation) (Publication No: 9186336)
5. KARTOĞLU BEDRİHAN,BODUR SÜLEYMAN,ZEYDANLI DAMLA,GÖVER TUĞÇE,ÖZAYDIN ECEM,BAKIRDERE EMİNE GÜLHAN,BAKIRDERE SEZGİN (2024). Sıvı-sıvı mikroekstraksiyon sonrası alevli atomik absorpsiyon spektrometresi kullanılarak gül çayı örneklerinde eser seviyelerde bakır tayini. VI. Eser Analiz Kongresi (Abstract/Poster) (Publication No: 9186342)
6. KARTOĞLU BEDRİHAN,BODUR SÜLEYMAN,BAKIRDERE EMİNE GÜLHAN,BAKIRDERE SEZGİN (2024). Nikelin alevli atomik absorpsiyon spektrometre sistemiyle tayini öncesi karahindiba çayı örneklerinden önderiştirilmesi için basit ve verimli supramoleküler çözücü esaslı sıvı faz mikroekstraksiyon yönteminin geliştirilmesi. 17. Ulusal Spektroskopi Kongresi (Abstract/Oral Presentation) (Publication No: 9186330)
7. ÖNER MİRAY, BODUR SÜLEYMAN, DEMİR CANSU, YAZICI ELİF, ERARPAT SEZİN, BAKIRDERE SEZGİN (2022). Kadmiyumun ICP-OES sisteminde tayini öncesinde yenilebilir yağlarda ekstraksiyonu ve önderiştirilmesine yönelik manyetik nanopartikül esaslı dağıtıcı katı faz ekstraksiyon yöntemi geliştirilmesi. 10. Ulusal Analitik Kimya Kongresi (Abstract/Oral Presentation) (Publication No: 8313483)
8. BODUR SÜLEYMAN, ERARPAT SEZİN, GÜNKARA ÖMER TAHİR, BAKIRDERE SEZGİN (2022). Hidroksiklorokin sülfatın gaz kromatografi-kütle spektrometri sistemi kullanılarak biyolojik sıvılarda eser seviyelerde tayini için hızlı ve kolay ekstraksiyon/önderiştirme yönteminin geliştirilmesi. 10. Ulusal Analitik Kimya Kongresi (Abstract/Oral Presentation) (Publication No: 8313476)
9. DEMİR CANSU, ÖNER MİRAY, BODUR SÜLEYMAN, ÖZTÜRK ER ELİF, BAKIRDERE SEZGİN (2022). Bakırın musluk suyu ve ıhlamur çayı örneklerinde alevli atomik absorpsiyon spektrofotometresinde tayini öncesinde basit ve etkili bir ekstraksiyon yöntemiyle önderiştirilmesi. 10. Ulusal Analitik Kimya Kongresi (Abstract/Oral Presentation) (Publication No: 8313480)

Non-academic Experience

04.01.2021- 26.04.2022	Müşteri Destek Mühendisi	Likrom Analitik Çözümler Paz. San. ve Tic. A.Ş., (Commercial (Private))
01.06.2020- 31.12.2020	Yardımcı Personel	TÜRKİYE SAĞLIK ENSTİTÜLERİ BAŞKANLIĞI, 8946 numaralı TÜSEB projesinde yardımcı personel olarak görev aldı., (Public)