

Özgeçmiş

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Doğum Tarihi: 09/03/1994

Doğum Yeri: İstanbul/Türkiye

İş Denevimleri

| İşyeri | Yıl | Pozisyon |
|--|--------------------------------|--------------------------|
| İstinye Üniversitesi | 2022 (Nisan) – Devam Ediyor | Araştırma Görevlisi |
| Likrom Analitik Çözümler Paz. San. ve Tic. A.Ş. | 2021 (Ocak) – 2022 (Nisan) | Müşteri Destek Mühendisi |
| TÜSEB Projesi | 2020 (Haziran) – 2020 (Aralık) | Yardımcı Personel |
| İnnova Kuyumculuk Hediyelik Eşya San. ve Tic. Anonim Şirketi | 2018 | Stajyer |

Öğrenim Durumu

| Derece | Bölüm/Program | Üniversite | Yıl | Ortalama |
|---------------|------------------------|----------------------------|---------------------|----------|
| Doktora | Kimya/Analitik Kimya | Yıldız Teknik Üniversitesi | 2022 – Devam Ediyor | - |
| Yüksek Lisans | Kimya/Analitik Kimya | Yıldız Teknik Üniversitesi | 2019 – 2022 | 3,64 |
| Lisans | Kimya (%100 İngilizce) | Yıldız Teknik Üniversitesi | 2013 – 2019 | 2,83 |

Lisans Tez Başlığı: An Accurate and Sensitive Determination of Bismuth at Trace Levels in Mineral and Bottled Water by T-Shaped Slotted Quartz Tube – Atom Trap – Flame Atomic Absorption Spectrometry

Yüksek Lisans Tez Başlığı: Seçili Pestisitlerin, İlaç Etken Maddelerinin ve İnorganik Analitlerin Spektroskopik ve Kromatografik Tayinlerine Yönelik Yenilikçi Analitik Yöntemlerin Geliştirilmesi (Development of Novel Analytical Methods for the Spectroscopic and Chromatographic Determination of Selected Pesticides, Drug Active Compounds and Inorganic Analytes)

Arastırma Alanları

- Atomik Spektroskopi
- Ayırma Teknikleri
- Önderiştirme Yöntemleri
- Kromatografi
- Kütle Spektroskopisi
- İzotop Seyreltme Teknikleri
- Atom Tuzaklama Yöntemleri
- Türevlendirme Yöntemleri
- Organik ve İnorganik Kirleticilerin Tayinleri
- Ultraviyole Uçucu Türev Oluşturma Yöntemi
- Hidrür Oluşturma Yöntemi
- Türevlendirme
- Biyolojik, Çevre ve Gıda Örnekleri

Çalıştığı Cihazlar

- Yüksek Performanslı Sıvı Kromatografisi
- Gaz Kromatografisi
- Alevli Atomik Absorpsiyon Spektrometresi
- İndüktif Eşleşmiş Plazma – Optik Emisyon Spektrometresi
- Birleştirilmiş Sistemler (GC-MS, LC-MS/MS, HPLC-ICP-OES, HPLC-FAAS)

Projelerde Yaptığı Görevler

| Proje Adı | Projedeki Görevi | Projenin Alındığı Mercı | Projeden Elde Edilen Sonuç |
|---|--|--|--|
| Atom Tuzaklı Yarıkli Kuvars Tüp – Alevli Atomik Absorpsiyon Spektrofotometre Sisteminde Bizmutun İçme Suyu ve Maden Suyu Örneklerinde Eser Seviyelerde Tayini | Yürütücü (15.12.2017 – 15.09.2018) | TÜBİTAK 2209-A Üniversite Öğrencileri Yurt İçi Araştırma Projeleri Destek Programı | 1 uluslararası yayın (Analytical Letters, 52(3), 539 – 549)) 1 uluslararası bildiri (1 th Aegean Analytical Chemistry Days, 25-29 September 2018, Chania, Crete, Greece) |
| Özgün Sıvı-Sıvı Mikroekstraksiyon İzotop Seyreltme Kütle Spektroskopisi Yöntemleri | Araştırmacı (10.01.2020 – 25.12.2020) | Yıldız Teknik Üniversitesi, FCD-2020-3776 | 2 uluslararası yayın (New Journal of Chemistry, 44, 13685–13691, |

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|---|---|---|---|
| Kullanılarak Bisfenol A'nın Farklı Çevre Örneklerinde Yüksek Doğruluk ve Duyarlılıkta Tayini | | | Microchemical Journal, 159 (December), 105532) |
| Konya Altınapa Barajı'na Pestisit Taşınımının Modellenmesi ve Giderimi için Yenilikçi İleri Arıtım Yöntemlerinin Geliştirilmesi | Bursiyer (21.08.2019 – 31.12.2020) | TÜBİTAK 1001, 118Y402 | 1 uluslararası yayın (Bulletin of Environmental Contamination and Toxicology, 105, 460–467) |
| 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 | Yardımcı Personel (01.06.2020 – 31.12.2020) | TÜSEB 2020CV01-8946 | 5 uluslararası yayın (Journal of Pharmacological and Toxicological Methods, 108, 106949, Journal of Pharmaceutical, 11(3), 278–283, Journal of Chromatography A, 1651, 462273, Journal of Pharmacological and Toxicological Methods, 113, 107130, Rapid Communication in Mass Spectrometry, 36 (12), e9282) |
| Özgün Dörtlü İzotop Seyreltme Yöntemi Kullanılarak Kan ve İdrar Örneklerinde Eser Seviyelerde Bulunan Parasetamolün Yüksek Doğruluk ve Duyarlılıkta Tayini | Araştırmacı (14.04.2021 – 21.04-2022) | Yıldız Teknik Üniversitesi, FBA- 2021-4215 | 1 uluslararası yayın (ChemistrySelect, 8 (13), e20220385) |
| Biyolojik, Çevre ve Gıda Örneklerinde Bulunan Kapsaisin Mikrokstraksiyon Yöntemleri ile Birleştirilmiş Dörtlü | Bursiyer (15.04.2022 – 18.07.2022, 01.12.2022 – 15.05.2024) | TÜBİTAK 1001, 122Z041 | 2 uluslararası yayın (Journal of Chromatography A, 1731, 465147, Microchemical Journal, 208, 112246) |

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| İzotop Seyreltme Kütle Spektrometrisi ile Eser Seviyelerde Yüksek Doğruluk ve Duyarlılıkta Tayini | | |
| COVID-19 ve Yeniden Ortaya Çıkan İnfluenza Tipi Virüslerin Tedavisinde Kullanılan Favipiravirin İzotopik Türevlerinin Sentezlenmesi ve Kan, İdrar, Atık Su Örneklerinde Eser Seviyelerde Tayini | | |
| Araştırmacı (28.03.2024 – Devam Ediyor) | Yıldız Teknik Üniversitesi, FBA-2024-6073 | – |

SCI-SSCI Expanded İdeklerine Giren Dergilerde Yayınlanan Makaleler

- [1] M. Fırat, S. Bodur, B. Tıslı, C. Özlü, D.S. Chormey, F. Turak, S. Bakırdere, Vortex-assisted switchable liquid-liquid microextraction for the preconcentration of cadmium in environmental samples prior to its determination with flame atomic absorption spectrometry, *Environ. Monit. Assess.* 190 (2018). <https://doi.org/10.1007/s10661-018-6786-0>.
- [2] D.S. Chormey, S. Bodur, D. Baskın, M. Fırat, S. Bakırdere, 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, *J. Sep. Sci.* 41 (2018) 2895–2902. <https://doi.org/10.1002/jssc.201800223>.
- [3] S. Erarpat, S. Bodur, D.S. Chormey, S. Bakırdere, Switchable solvent liquid-phase microextraction-gas chromatography-quadrupole isotope dilution mass spectrometry for the determination of 4-n-nonylphenol in municipal wastewater, *Microchem. J.* 144 (2019) 1–5. <https://doi.org/10.1016/j.microc.2018.08.049>.
- [4] S. Bodur, S. Erarpat, D.S. Chormey, Ç. Büyükpınar, S. Bakırdere, Determination of Bismuth in Bottled and Mineral Water Samples at Trace Levels by T-Shaped Slotted Quartz tube-Atom Trap-Flame Atomic Absorption Spectrometry, *Anal. Lett.* 52 (2019) 539–549. <https://doi.org/10.1080/00032719.2018.1477790>.
- [5] S. Bodur, E.G. Bakırdere, 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, *Microchem. J.* 145 (2019) 168–172. <https://doi.org/10.1016/j.microc.2018.10.033>.
- [6] S. Erarpat, A. Çağlak, S. Bodur, S.D. Chormey, Ö.G. Engin, S. Bakırdere, 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), *Anal. Lett.* 52 (2019) 869–878. <https://doi.org/10.1080/00032719.2018.1505897>.

[7] S. Erarpat, S. Bodur, E. Öz, S. Bakırdere, Determination of butyltin compounds in fish and mussel samples at trace levels by vortex assisted dispersive liquid-liquid microextraction-gas chromatography mass spectrometry, *J. Food Compos. Anal.* 82 (2019). <https://doi.org/10.1016/j.jfca.2019.103248>.

[8] S. Erarpat, S. Bodur, E. Öztürk Er, S. Bakırdere, 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, *J. Sep. Sci.* 43 (2020) 1100–1106. <https://doi.org/10.1002/jssc.201901078>.

[9] S. Bodur, C. Özlü, B. Tıslı, M. Fırat, D.S. Chormey, S. Bakırdere, Analytical protocol for determination of endosulfan beta, propham, chlorpyrifos, and acibenzolar-s-methyl in lake water and wastewater samples by gas chromatography–mass spectrometry after dispersive liquid–liquid microextraction, *Environ. Monit. Assess.* 192 (2020) 1–9. <https://doi.org/10.1007/s10661-020-8214-5>.

[10] S. Bodur, S. Erarpat, Ö.T. Günkara, D.S. Chormey, S. Bakırdere, 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 (2020) 120846. <https://doi.org/10.1016/j.talanta.2020.120846>.

[11] S. Bodur, S. Erarpat, S. Bakırdere, Fe₃O₄/reduced graphene oxide nanocomposites based dispersive solid phase microextraction for trace determination of profenofos in white rice flour samples, *J. Food Compos. Anal.* 91 (2020) 103516. <https://doi.org/10.1016/j.jfca.2020.103516>.

[12] S. Bodur, S. Erarpat, D.S. Chormey, G.D. Bozyiğit, E. Öz, N. Özdoğan, S. Bakırdere, 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 J. Chem.* 44 (2020). <https://doi.org/10.1039/d0nj02706e>.

[13] S. Bodur, T. Borahan, N. Ates, S. Bakırdere, Sensitive Determination of Acetochlor, Alachlor, Metolachlor and Fenthion Utilizing Mechanical Shaking Assisted Dispersive Liquid–Liquid Microextraction Prior to Gas Chromatography–Mass Spectrometry, *Bull. Environ. Contam. Toxicol.* 105 (2020) 460–467. <https://doi.org/10.1007/s00128-020-02965-z>.

[14] S. Erarpat, S. Bodur, M.F. Ayyıldız, Ö.T. Günkara, F. Erulaş, D.S. Chormey, F. Turak, T.B. Budak, S. Bakırdere, Accurate and simple determination of oxcarbazepine in human plasma and urine samples using switchable-hydrophilicity solvent in GC–MS, *Biomed. Chromatogr.* (2020). <https://doi.org/10.1002/bmc.4915>.

[15] Y. Dikmen, A. Güleriyüz, B. Metin, S. Bodur, M. Öner, S. Bakırdere, 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, *J. Mass Spectrom.* 55 (2020). <https://doi.org/10.1002/jms.4622>.

[16] S. Bodur, S. Erarpat, G. Dalgıç Bozyiğit, D. Selali Chormey, E. Öz, N. Özdoğan, S. Bakırdere, 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, *Microchem. J.* 159 (2020) 105532. <https://doi.org/10.1016/j.microc.2020.105532>.

[17] Ç. Büyükpınar, S. Bodur, N. San, O.T. Komesli, S. Bakırdere, 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, *Anal. Lett.* 54 (2021) 2315–2326. <https://doi.org/10.1080/00032719.2020.1858308>.

[18] M. Öner, S. Bodur, S. Erarpat, S. Bakırdere, 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, *Anal. Sci.* 37 (2021) 1433–1438. <https://doi.org/10.2116/analsci.21P013>.

[19] S. Bodur, S. Erarpat, Ö.T. Günkara, S. Bakırdere, Development of an easy and rapid analytical method for the extraction and preconcentration of chloroquine phosphate from human biofluids prior to GC–MS analysis, *J. Pharmacol. Toxicol. Methods* 108 (2021). <https://doi.org/10.1016/j.vascn.2021.106949>.

[20] S. Bodur, S. Erarpat, U. Balçık, S. Bakırdere, A rapid, sensitive and accurate determination of cobalamin with double monitoring system: HPLC-UV and HPLC-ICP-OES, *Food Chem.* 340 (2021) 127945. <https://doi.org/10.1016/j.foodchem.2020.127945>.

[21] C. Demir, M. Öner, S. Bodur, E.Ö. Er, S. Bakırdere, A Simple and Efficient Extraction Method for the Preconcentration of Copper in Tap Water and Linden Tea Samples Prior to FAAS Measurement, *ChemistrySelect* 6 (2021) 2906–2912. <https://doi.org/10.1002/slct.202100149>.

[22] E. Yazıcı, Ç. Büyükpınar, S. Bodur, N. San, O.T. Komesli, S. Bakırdere, 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, *Chem. Pap.* 75 (2021) 1377–1386. <https://doi.org/10.1007/s11696-020-01392-y>.

[23] Ç. Büyükpınar, S. Bodur, E. Yazıcı, Z. Tekin, N. San, O. Tarık Komesli, S. Bakırdere, An accurate analytical method for the determination of cadmium: Ultraviolet based photochemical vapor generation–slotted quartz tube based atom trap–flame atomic absorption spectrophotometry, *Meas. J. Int. Meas. Confed.* 176 (2021) 109192. <https://doi.org/10.1016/j.measurement.2021.109192>.

[24] S. Bodur, S. Erarpat, Ö.T. Günkara, S. Bakırdere, Accurate and sensitive determination of hydroxychloroquine sulfate used on COVID-19 patients in human urine, serum and saliva

samples by GC-MS, *J. Pharm. Anal.* 11 (2021) 278–283. <https://doi.org/10.1016/j.jpha.2021.01.006>.

[25] E. Yazıcı, Ç. Büyükpınar, S. Bodur, N. San, O.T. Komesli, S. Bakırdere, An accurate analytical method for the determination of antimony in tea and tap water samples: photochemical vapor generation-atom trapping prior to FAAS measurement, *Chem. Pap.* 75 (2021) 3309–3316. <https://doi.org/10.1007/s11696-021-01569-z>.

[26] M. Öner, S. Bodur, C. Demir, E. Yazıcı, S. Erarpat, S. Bakırdere, 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, *J. Food Compos. Anal.* 101 (2021) 103978. <https://doi.org/10.1016/j.jfca.2021.103978>.

[27] S. Bodur, M. Öner, S. Erarpat, S. Bakırdere, Determination of selenite and selenomethionine in kefir grains by reversed-phase high-performance liquid chromatography–inductively coupled plasma-optical emission spectrometry, *J. Sep. Sci.* 44 (2021) 3031–3040. <https://doi.org/10.1002/jssc.202100359>.

[28] S. Erarpat, S. Bodur, M. Öner, Ö.T. Günkara, S. Bakırdere, 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, *J. Chromatogr. A* 1651 (2021) 462273. <https://doi.org/10.1016/j.chroma.2021.462273>.

[29] S. Erarpat, S. Bodur, S. Bakırdere, Nanoparticles Based Extraction Strategies for Accurate and Sensitive Determination of Different Pesticides, *Crit. Rev. Anal. Chem.* 52 (2022) 1370–1385. <https://doi.org/10.1080/10408347.2021.1876552>.

[30] S. Erarpat, S. Bodur, D.S. Chormey, E. Öz, S. Bakırdere, 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, *Anal. Lett.* 55 (2022) 1080–1092. <https://doi.org/10.1080/00032719.2021.1985511>.

[31] S. Bodur, S. Erarpat, Ö.T. Günkara, S. Bakırdere, One step derivatization and dispersive liquid-liquid microextraction of hydroxychloroquine sulfate for its sensitive and accurate determination using GC–MS, *J. Pharmacol. Toxicol. Methods* 113 (2022) 107130. <https://doi.org/10.1016/j.vascn.2021.107130>.

[32] E. Öztürk Er, S. Erarpat, S. Bodur, Ö.T. Günkara, B. Özbek, S. Bakırdere, Accurate determination of amino acids by quadruple isotope dilution-reverse phase liquid Chromatography-Tandem mass spectrometry after derivatization with 2-Naphthoyl chloride, *J. Chromatogr. A* 1667 (2022) 462870. <https://doi.org/10.1016/j.chroma.2022.462870>.

[33] S. Erarpat, S. Bodur, M. Öner, Ö.T. Günkara, S. Bakırdere, 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 hydroxychloro, *Rapid Commun. Mass Spectrom.* 36 (2022). <https://doi.org/10.1002/rcm.9282>.

[34] S. Erarpat, S. Bodur, Ö.T. Günkara, S. Bakırdere, Combination of high performance liquid chromatography and flame atomic absorption spectrophotometry using a novel nebulizer interface supported T shaped slotted quartz tube for the determination of Vitamin B12, *J. Pharm. Biomed. Anal.* 217 (2022) 114855. <https://doi.org/10.1016/j.jpba.2022.114855>.

[35] S. Bodur, S. Erarpat, Ö.F. Tutar, S. Bakırdere, A simple spray assisted extraction/preconcentration of cadmium from sunflower oil, olive oil and hazelnut oil samples prior to flame atomic absorption spectrometry determination, *J. Food Compos. Anal.* 117 (2023) 105144. <https://doi.org/10.1016/j.jfca.2023.105144>.

[36] R. Demirel, S. Erarpat, S. Bodur, Ö.T. Günkara, S. Bakırdere, F. Turak, Synthesis of Isotopic Labelled Paracetamol Benzoate- d3 and Its Application in the Determination of Paracetamol, *ChemistrySelect* 8 (2023). <https://doi.org/10.1002/slct.202203851>.

[37] E. Yazıcı, S. Bodur, S. Erarpat, U.E. Arslan, S. Bakırdere, 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, *Microchem. J.* 190 (2023) 108741. <https://doi.org/10.1016/j.microc.2023.108741>.

[38] S. Bodur, S. Erarpat, İ. Kayın, S. Bakırdere, Cadmium determination at trace levels in lake water samples by cold vapor generation-atomic absorption spectrometry after magnetic dispersive solid phase extraction, *Chem. Pap.* 77 (2023) 6629–6636. <https://doi.org/10.1007/s11696-023-02963-5>.

[39] S. Bodur, S. Erarpat, Ö.F. Tutar, S. Bakırdere, Spray assisted preconcentration method combined with HPLC – Continuous flow hydride generation – FAAS for inorganic arsenic speciation in olive oil samples, *J. Food Compos. Anal.* 123 (2023) 105531. <https://doi.org/10.1016/j.jfca.2023.105531>.

[40] S. Bodur, S. Erarpat, Ö.T. Günkara, S. Bakırdere, 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, *J. Food Compos. Anal.* 123 (2023) 105563. <https://doi.org/10.1016/j.jfca.2023.105563>.

[41] D.S. Chormey, B.T. Zaman, T.B. Kustanto, S. Erarpat Bodur, S. Bodur, E.Ö. Er, S. Bakırdere, Deep eutectic solvents for the determination of endocrine disrupting chemicals, *Talanta* 268 (2024) 125340. <https://doi.org/10.1016/j.talanta.2023.125340>.

[42] B. Kartoğlu, S. Bodur, D. Zeydanlı, T. Göver, E. Özaydın, E. Gülhan Bakırdere, S. Bakırdere, Determination of copper in rose tea samples using flame atomic absorption spectrometry after emulsification liquid–liquid microextraction, *Food Chem.* 439 (2024) 138140. <https://doi.org/10.1016/j.foodchem.2023.138140>.

- [43] D.S. Chormey, B.T. Zaman, T. Borahan Kustanto, S. Erarpat Bodur, S. Bodur, Z. Tekin, O. Nejati, S. Bakırdere, Biogenic synthesis of novel nanomaterials and their applications, *Nanoscale* 15 (2023) 19423–19447. <https://doi.org/10.1039/d3nr03843b>.
- [44] S. Bodur, B.K. Tutar, Ö.F. Tutar, S. Bakırdere, 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, *Anal. Methods* 16 (2024) 1363–1370. <https://doi.org/10.1039/d3ay02327c>.
- [45] S.E. Bodur, G.N. Ayan, S. Bodur, Ö.T. Günkara, S. Bakırdere, 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, *Environ. Monit. Assess.* 196 (2024) 454. <https://doi.org/10.1007/s10661-024-12544-y>.
- [46] S.E. Bodur, S. Bodur, M.F. Ayyıldız, Ö.T. Günkara, Y. Dikmen, E.S. Doru, S. Bakırdere, Determination of capsaicin at trace levels in different food, biological and environmental samples by quadruple isotope dilution-gas chromatography mass spectrometry after its preconcentration, *J. Chromatogr. A* 1731 (2024) 465147. <https://doi.org/10.1016/j.chroma.2024.465147>.
- [47] B. Kartoğlu, S. Bodur, E. Gülhan Bakırdere, S. Bakırdere, 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, *Microchem. J.* (2024) 111349. <https://doi.org/10.1016/j.microc.2024.111349>.
- [48] S. Bodur, S.E. Bodur, B.K. Tutar, S. Bakırdere, O. Yağmuroğlu, 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, *Environ. Monit. Assess.* 196 (2024) 829. <https://doi.org/10.1007/s10661-024-13007-0>.
- [49] D.S. Chormey, S.E. Bodur, E.Ö. Er, B.T. Zaman, S. Bodur, M. Şaylan, G.D. Bozyiğit, H. Serbest, S. Bakırdere, Application of liquid-liquid microextraction techniques for trace level determination of organic/inorganic analytes in biological, medical, environmental and forensic samples, in: *Ref. Modul. Chem. Mol. Sci. Chem. Eng.*, Elsevier, 2024. <https://doi.org/10.1016/b978-0-443-15978-7.00077-1>.
- [50] R. Kutlu, S. Bodur, Ö. Tahir Günkara, S. Bakırdere, 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, *Microchem. J.* 207 (2024) 112071. <https://doi.org/10.1016/j.microc.2024.112071>.
- [51] B.K. Tutar, Ö.F. Tutar, S. Bodur, Y. Derin, A. Tutar, S. Bakırdere, 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, *J. Food Compos. Anal.* 137 (2025) 106993. <https://doi.org/10.1016/j.jfca.2024.106993>.

[52] S. Bodur, S.E. Bodur, S. Gürsoy, M.F. Ayyıldız, B. Kartoğlu, H. Akbıyık, Ö.T. Günkara, S. Bakırdere, 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, *Microchem. J.* (2024) 112246. <https://doi.org/10.1016/j.microc.2024.112246>.

[53] N. Ular Çağatay, S. Bodur, S.E. Bodur, M.E. Maviş, S. Bakırdere, Combination of quadruple isotope dilution strategy and dispersive solid phase extraction method for accurate quantification of selected steroid hormones, *Anal. Methods* (2024). <https://doi.org/10.1039/d4ay01545b>.

[54] D.S. Chormey, E.Ö. Er, S.E. Bodur, B.T. Zaman, S. Bodur, T.B. Kustanto, İ. Kayın, S. Bakırdere, Trace element determination using mass spectrometry coupled detection methods, *Trends Environ. Anal. Chem.* 45 (2025) e00257. <https://doi.org/10.1016/j.teac.2024.e00257>.

Uluslararası Bilimsel Toplantılarda Sunulan ve Bildiri Kitabında Basılan Bildiriler

1. **Bodur, S.**, Erarpat, S., Chormey, D.S., Büyükpınar, Ç., Bakırdere, S., 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, 25-29 September 2018, Chania, Crete, Greece.
2. **Bodur, S.**, Bakırdere, E. G., Development of an accurate and sensitive binary solvent – liquid phase microextraction for the determination of nitrofen, bifenoxy and alachlor in dam lake water, river water and well water samples by gas chromatography-mass spectrometry, 11th Aegean Analytical Chemistry Days, 25-29 September 2018, Chania, Crete, Greece.
3. Erarpat, S., **Bodur, S.**, Chormey, D.S., Bakırdere, S., 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, 25-29 September 2018, Chania, Crete, Greece.
4. Fırat, M., **Bodur, S.**, Tışlı, B., Özlü, C., Chormey, D.S., Turak, F., Bakırdere, S., 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), 9-11 May 2018, İstanbul, Türkiye.
5. Erarpat, S., **Bodur, S.**, Öz, E., Bakırdere, S., Sensitive and accurate determination of butyltin compounds in fish and mussel samples by vortex assisted dispersive liquid-liquid microextraction-gas chromatography mass spectrometry, 1st Analytical and Bioanalytical Chemistry, 27-30 March 2019, Antalya, Türkiye.
6. Yazıcı, E., Büyükpınar Ç., **Bodur, S.**, San, Nevim, Komesli, O. T., Bakırdere, S., 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, 31 October – 03 November 2019, Antalya, Türkiye.

7. Erarpat, S., **Bodur S.**, Fırat Ayyıldız, M., Günkara, Ö. T., Erulaş, F. A., Chormey, D. S., Turak, F., Börklü Budak, T., Bakırdere S., 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) 11-14 March 2020, Antalya, Türkiye.
8. **Bodur S.**, Erarpat S., Günkara, Ö.T., Chormey, D.S., Bakırdere, S., 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) 11-14 March 2020, Antalya, Türkiye.
9. Demirel, R., Erarpat, S., **Bodur, S.**, Günkara, Ö.T., Bakırdere, S., Turak, F., 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), 23-26 March 2022, Türkiye (Online).
10. Erarpat, S., **Bodur, S.**, Günkara, Ö.T., Bakırdere, S., Determination of Vitamin B₁₂ in vitamin tablets by high performance liquid chromatography combined with flame atomic absorption spectrophotometry with a novel nebulizer interface supported T-shaped slotted quartz tube, 33rd International Symposium on Pharmaceutical and Biomedical Analysis (PBA2023), 02-06 July 2023, Ankara, Türkiye.
11. **Bodur, S.**, Erarpat, S., Günkara, Ö.T., Bakırdere, S., 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), 02-06 July 2023, Ankara, Türkiye.
12. Yazıcı, E., **Bodur, S.**, Erarpat, S., Arslan, U.E., Bakırdere, S., Accurate and sensitive determination of acrylamide in wastewater samples by quadruple isotope dilution strategy before liquid chromatography-triple quadrupole mass spectrometry, 19th Asian Chemical Congress, 9-14 July 2023, İstanbul, Türkiye.
13. **Bodur, S.**, Erarpat, S., Günkara, Ö.T., Bakırdere, S., 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, 9-14 July 2023, İstanbul, Türkiye.
14. **Bodur, S.** Erarpat, S., Tutar, Ö.F., Bakırdere, S., 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, 9-14 July 2023, İstanbul, Türkiye.
15. Coşar, B., **Bodur, S.**, Erarpat Bodur, S., Günkara, Ö.T., Bakırdere, S., Synthesis of some isotopically labelled pesticide compounds and their analytical applications, 12th Aegean Analytical Chemistry Days (AACD2023), 19-22 October 2023, İstanbul, Türkiye.

16. Gönül, E., Eroğlu, K., Erarpat Bodur, S., **Bodur, S.**, Günkara, Ö.T., Bakırdere, S., 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), 19-22 October 2023, İstanbul, Türkiye.
17. Akdemir, M., Eroğlu, K., Erarpat Bodur, S., **Bodur, S.**, Günkara, Ö.T., Bakırdere, S., 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), 19-22 October 2023, İstanbul, Türkiye.
18. Acar, Ö., Eroğlu, K., Erarpat Bodur, S., **Bodur, S.**, Günkara, Ö.T., Bakırdere, S., Synthesis and characterization of ne Schiff bases containing quinazoline rings and their analytical applications, 12th Aegean Analytical Chemistry Days (AACD2023), 19-22 October 2023, İstanbul, Türkiye.
19. Akkuş, N.B., **Bodur, S.**, Erarpat Bodur, S., Günkara, Ö.T., Bakırdere, S., 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), 19-22 October 2023, İstanbul, Türkiye.

Ulusal Bilimsel Toplantılarda Sunulan ve Bildiri Kitabında Basılan Bildiriler

1. **Bodur, S.**, Erarpat, S., Günkara, Ö.T., Bakırdere, S., 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, 7-11 Eylül 2022, Muğla, Türkiye.
2. Öner, M., **Bodur, S.**, Demir, C., Yazıcı, E., Erarpat, S., Bakırdere, S., 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, 7-11 Eylül 2022, Muğla, Türkiye.
3. Demir, C., Öner, M., **Bodur, S.**, Öztürk Er, E., Bakırdere, S., 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, 7-11 Eylül 2022, Muğla, Türkiye.
4. Kartoğlu, B., **Bodur, S.**, Bakırdere, E. G., Bakırdere, S., 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, 30 Mayıs – 1 Haziran 2024, Zonguldak, Türkiye.
5. **Bodur, S.**, Karademir Tutar, B., Tutar, Ö. F., Bakırdere, S., 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, 5-8 Eylül 2024, Manisa, Türkiye.

6. **Bodur, S.**, Erarpat Bodur, S., Kayın, S., Bakırdere, S., Göl sularında eser seviyelerde bulunan kadmiyumun manyetik dağıtıcı katı faz ekstraksiyon sonrası soğuk buhar oluşturma-atomik absorpsiyon spektrometresi ile tayini, VI. Eser Analiz Kongresi, 5-8 Eylül 2024, Manisa, Türkiye.
7. Kartoğlu, B., **Bodur, S.**, Zeydanlı, D., Göver, T., Özeydin, E., Bakırdere, E. G., Bakırdere, S., Sıvı-sıvı mikroekstraksiyon sonrası alevli atomik absorpsiyon spektrometresi kullanılarak gül çayı örneklerinde eser seviyelerde bakır tayini, VI. Eser Analiz Kongresi, 5-8 Eylül 2024, Manisa, Türkiye.
8. Fırat Ayyıldız, M., **Bodur, S.**, Bakırdere, S., 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, 9-12 Eylül 2024, Diyarbakır, Türkiye.
9. Yazıcı, E., Fırat Ayyıldız, M., **Bodur, S.**, Bakırdere, S., 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, 9-12 Eylül 2024, Diyarbakır, Türkiye.

Atıflar

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- The Best Poster Award (2nd), 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), 9-11 May 2018, İstanbul, Türkiye.
- The Best Poster Award (1st), 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, 25-29 September 2018, Chania, Crete, Greece.
- En İyi Poster Ödülü (İkincilik), Sıvı-Sıvı Mikroekstraksiyon Sonrası Alevli Atomik Absorpsiyon Spektrometresi Kullanılarak Gül Çayı Örneklerinde Eser Seviyelerde Bakır Tayini, VI. Eser Analiz Kongresi, 5-8 Eylül, Manisa, Türkiye.