

## Curriculum Vitae

**Name and Surname:** Süleyman BODUR

**Birth Date:** 09/03/1994

**Place of Birth:** İstanbul/Türkiye

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### Work Experience

Workplace	Year	Position
İstinye University	2022 (April) – Continue	Research Assitant
Likrom Analitik Çözümler Paz. San. ve Tic. A.Ş.	2021 (January) – 2022 (April)	Customer Support Engineer
TÜSEB Project	2020 (June) – 2020 (December)	Auxiliary Staff
İnnova Kuyumculuk Hediyelik Eşya San. ve Tic. Anonim Şirketi	2018	Trainee

### Educational Background

Degree	Department/Program	University	Year	Graduation Average (4- point grading system)
PhD	Chemistry/Analytical Chemistry	Yıldız Technical University	2022 – Continue	-
Master	Chemistry/Analytical Chemistry	Yıldız Technical University	2019 – 2022	3.64
Bachelor	Chemistry (100% English)	Yıldız Technical University	2013 – 2019	2.83

**Title of Bachelor Thesis:** 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

**Title of Master Thesis:** Development of Novel Analytical Methods for the Spectroscopic and Chromatographic Determination of Selected Pesticides, Drug Active Compounds and Inorganic Analytes

### **Research Expertise**

- Atomic Spectroscopy
- Separation Methods
- Extraction/Preconcentration Methods
- Chromatography
- Mass Spectrometry
- Isotope Dilution Strategies
- Atom Trap Methods
- Derivatization Methods
- Determination of Organic and Inorganic Contaminants
- Photochemical Vapor Generation Methods
- Hydride Generation Methods
- Speciation Analysis
- Analysis of Biological, Environmental and Food Samples

### **Instrument Expertise**

- High Performance Liquid Chromatography
- Gas Chromatography
- Flame Atomic Absorption Spectrophotometry
- Inductively Coupled Plasma – Optical Emission Spectrometry
- Hyphenated Systems (GC-MS, LC-MS/MS, HPLC-ICP-OES, HPLC-FAAS, HPLC-HG-FAAS)

### **Projects**

<b>Project Name</b>	<b>Responsibility</b>	<b>From</b>	<b>Published Results</b>
Atom Tuzaklı Yarıkli Kuvars Tüp – Alevli Atomik Absorpsiyon Spektrofotometre Sisteminde Bizmutun İçme Suyu ve Maden Suyu Örneklerinde Eser Seviyelerde Tayini <b>(Determination of bismuth at trace levels in bottled</b>	Coordinator (15.12.2017 – 15.09.2018)	TÜBİTAK 2209-A Project Number: 1919B011702730	1 International Paper (Analytical Letters, 52(3), 539 – 549)) 1 Proceeding Paper in International Conference (1 <sup>th</sup> Aegean Analytical Chemistry Days, 25-29 September 2018, Chania, Crete, Greece)

<p><b>water and mineral water samples by T-shaped slotted quartz tube – atom trap – flame atomic absorption spectrophotometry system)</b></p>	<p>Özgün Sıvı-Sıvı Mikroekstraksiyon İzotop Seyreltme Kütle Spektroskopisi Yöntemleri Kullanılarak Bisfenol A'nın Farklı Çevre Örneklerinde Yüksek Doğruluk ve Duyarlılıkta Tayini <b>(Determination of Bisphenol A in Different Environmental Samples Using Specific Liquid-Liquid Microextraction Strategies and Isotope Dilution Mass Spectroscopy Methods for high accuracy and sensitivity)</b></p>	<p>Researcher (10.01.2020 – 25.12.2020)</p>	<p>Yıldız Technical University, FCD-2020-3776</p>	<p>2 International Paper (New Journal of Chemistry, 44, 13685–13691, Microchemical Journal, 159 (December), 105532)</p>
<p>Konya Altınapa Barajı'na Pestisit Taşınımının Modellenmesi ve Giderimi için Yenilikçi İleri Arıtım Yöntemlerinin Geliştirilmesi <b>(Modelling Pesticide Transport to Konya Altınapa Dam and Development of Innovative Advanced Treatment Methods for Pesticide Removal)</b></p>	<p>Scholar (21.08.2019 – 31.12.2020)</p>	<p>TÜBİTAK 1001, 118Y402</p>	<p>1 International Paper (Bulletin of Environmental Contamination and Toxicology, 105, 460–467)</p>	
<p>SARS-CoV-2 (COVID-19) Tedavisinde Kullanılan Klorokin</p>	<p>Auxiliary Staff (01.06.2020 – 31.12.2020)</p>	<p>TÜSEB 2020CV01-8946</p>	<p>5 International Paper (Journal of Pharmacological and Toxicological Methods, 108,</p>	

ve Hidroksiklorokin Kimyasallarının Kan, İdrar ve Tükürük Örneklerinde Yüksek Doğruluk ve Duyarlılıkta Hızlı Tayinlerine Yönelik İzotop Seyreltme Esaslı Analitik Yöntem Geliştirilmesi <b>(Development of Isotope Dilution Based Analytical Method for Highly Accurate, Sensitive and Fast Determination of Chloroquine and Hydroxychloroquine Chemicals Used in SARS-CoV-2 (COVID-19) Treatment in Blood, Urine and Saliva Samples)</b>				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 1 Proceeding Paper in National Conference (10 <sup>th</sup> National Analytical Chemistry Congress, 7-11 September 2022, Muğla, Türkiye) 1 Proceeding Paper in International Conference (33 <sup>rd</sup> International Symposium on Pharmaceutical and Biomedical Analysis (PBA2023), 02-06 July 2023, Ankara, Türkiye)
Özgün Dörtlü İzotop Seyreltme Yöntemi Kullanılarak Kan ve İdrar Örneklerinde Eser Seviyelerde Bulunan Parasetamolün Yüksek Doğruluk ve Duyarlılıkta Tayini <b>(Highly Sensitive and Accurate Determination of Paracetamol in Human Serum and Urine Samples at Trace Levels using Specific Isotope Dilution Strategy)</b>	Researcher (14.04.2021 – 21.04-2022)	Yıldız Technical University, FBA-2021-4215		1 International Paper (ChemistrySelect, 8 (13), e20220385)
Biyolojik, Çevre ve Gıda Örneklerinde Bulunan Kapsaisin Mikroestraksiyon Yöntemleri ile Birleştirilmiş Dörtlü İzotop Seyreltme Kütle Spektrometrisi ile Eser	Scholar (15.04.2022 – 18.07.2022, 01.12.2022 – 15.05.2024)	TÜBİTAK 1001, 122Z041		2 International Papers (Journal of Chromatography A, 1731, 465147, Microchemical Journal, 208, 112246)

<p><b>Seviyelerde Yüksek Doğruluk ve Duyarlılıkta Tayini (Determination of Capsaicin at Trace Levels in Pepper and Saliva Samples by Microextraction Methods coupled to Quadrupole Isotope Dilution Mass Spectrometry)</b></p>			
<p>COVID-19 ve Yeniden Ortaya Çıkan İnfluenza Tipi Virüslerin Tedavisinde Kullanılan Favipiravirin İzotopik Türevlerinin Sentezlenmesi ve Kan, İdrar, Atık Su Örneklerinde Eser Seviyelerde Tayini (Synthesis of Isotopic Derivatives of Favipiravir Used in the Treatment of COVID-19 and Re-emerging Influenza Type Viruses and Its Determination at Trace Levels in Blood, Urine and Wastewater Samples)</p>	<p>Researcher (28.03.2024 – Continue)</p>	<p>Yıldız Technical University, FBA-2024-6073</p>	<p>–</p>

### **SCI-SSCI Expanded Papers**

- [1] M. Fırat, S. Bodur, B. Tışlı, 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. Tışlı, 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, Fe<sub>3</sub>O<sub>4</sub>/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. Bakirdere, 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. Bakirdere, 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. Bakirdere, 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. Güteryüz, B. Metin, S. Bodur, M. Öner, S. Bakirdere, 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. Bakirdere, 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. Bakirdere, 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. Bakirdere, 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. Bakirdere, 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>.
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- [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>.
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- [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>.
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- [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-d<sub>3</sub>-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 B<sub>12</sub>, *J. Pharm. Biomed. Anal.* 217 (2022) 114855. <https://doi.org/10.1016/j.jpba.2022.114855>.
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- [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>.

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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>.

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### **Proceeding Papers in International Conference**

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, bifenox 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 liquidliquid 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, 12<sup>th</sup> 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, 12<sup>th</sup> 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, 12<sup>th</sup> 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, 12<sup>th</sup> 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, 12<sup>th</sup> Aegean Analytical Chemistry Days (AACD2023), 19-22 October 2023, İstanbul, Türkiye.

### **Proceeding Papers in National Conference**

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., Özaydın, 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 – NiFe<sub>2</sub>O<sub>4</sub> 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.

### Citations

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### **Awards**

- 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.
- The Best Poster Award (2<sup>nd</sup>), 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.