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### Eğitim Bilgileri

Doktora, Yıldız Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, Türkiye 2020 - 2024

Yüksek Lisans, Yıldız Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Analitik Kimya, Türkiye 2017 - 2020

### Yaptığı Tezler

Doktora, Yüksek doğruluk, duyarlılık elde etmeye yönelik birleştirilmiş analitik yöntemler ve izotop seyreltme yönteminde yenilikçi yaklaşımlar, Yıldız Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2024  
Yüksek Lisans, Development of analytical strategies for accurate and precise determination of endocrine disruptive chemicals in biological and environmental matrices, Yıldız Teknik Üniversitesi, Fen Bilimleri Enstitüsü, 2019

### Araştırma Alanları

Kimya, Analitik Kimya, Atomik Kütle Spektrometrisi, Ayırma Teknikleri, Kromatografi, Kütle Spektroskopisi, Spektroskopik Yöntemler, Temel Bilimler

### Akademik Unvanlar / Görevler

Araştırma Görevlisi Dr., Yıldız Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2024 - Devam Ediyor

Araştırma Görevlisi, Yıldız Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2017 - 2024

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

- Trace element determination using mass spectrometry coupled detection methods**  
Chormey D. S., Er E. Ö., ERARPAT BODUR S., Zaman B. T., Bodur S., Kustanto T. B., Kayın İ., BAKIRDERE S.  
Trends in Environmental Analytical Chemistry, cilt.45, 2025 (SCI-Expanded)
- 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**

Bodur S., ERARPAT BODUR S., GÜRSOY S., Ayyıldız M. F., Kartoğlu B., Akbıyık H., GÜNKARA Ö. T., BAKIRDERE S. *Microchemical Journal*, cilt.208, 2025 (SCI-Expanded)

- III. **Simultaneous determination of nineteen azo dyes in water samples by gas chromatography-mass spectrometry after Fe<sub>3</sub>O<sub>4</sub>@COF based dispersive solid phase extraction**  
Karlıdağ N. E., Bodur S., GÜNKARA Ö. T., BAKIRDERE S. *Scientific Reports*, cilt.14, sa.1, 2024 (SCI-Expanded)
- IV. **Combination of quadruple isotope dilution strategy and dispersive solid phase extraction method for accurate quantification of selected steroid hormones**  
Ular Çağatay N., Bodur S., Bodur S., Maviş M. E., BAKIRDERE S. *Analytical Methods*, cilt.17, sa.2, ss.256-264, 2024 (SCI-Expanded)
- V. **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**  
Bodur S., ERARPAT BODUR S., Tutar B. K., BAKIRDERE S., Yağmuroğlu O. *Environmental Monitoring and Assessment*, cilt.196, sa.9, 2024 (SCI-Expanded)
- VI. **Determination of capsaicin at trace levels in different food, biological and environmental samples by quadruple isotope dilution-gas chromatography mass spectrometry after its preconcentration**  
ERARPAT BODUR S., Bodur S., Ayyıldız M. F., GÜNKARA Ö. T., Dikmen Y., Doru E. S., BAKIRDERE S. *Journal of Chromatography A*, cilt.1731, 2024 (SCI-Expanded)
- VII. **Determination of copper ion at trace levels in apple tea samples by simultaneous complexation and spray assisted microextraction method prior to detection by flame atomic absorption spectrophotometry**  
Diridiri P. N., Bodur S., Bayraktar A., GÜNKARA Ö. T., BAKIRDERE S. *Food Chemistry*, cilt.441, 2024 (SCI-Expanded)
- VIII. **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**  
Bodur S., Ayan G. N., Bodur S., GÜNKARA Ö. T., BAKIRDERE S. *Environmental Monitoring and Assessment*, cilt.196, sa.5, 2024 (SCI-Expanded)
- IX. **Deep eutectic solvents for the determination of endocrine disrupting chemicals**  
Chormey D. S., Zaman B. T., Kustanto T. B., ERARPAT BODUR S., Bodur S., Er E. Ö., BAKIRDERE S. *Talanta*, cilt.268, 2024 (SCI-Expanded)
- X. **Simultaneous complexation and extraction of manganese in melissa tea sample by deep eutectic solvent based liquid phase microextraction**  
Bayraktar A., ERARPAT S., Diridiri P. N., Kuşat K., BAKIRDERE S. *Journal of Food Composition and Analysis*, cilt.125, 2024 (SCI-Expanded)
- XI. **Biogenic synthesis of novel nanomaterials and their applications**  
Chormey D. S., Zaman B. T., Borahan Kustanto T., ERARPAT BODUR S., Bodur S., Tekin Z., Nejati O., BAKIRDERE S. *Nanoscale*, cilt.15, sa.48, ss.19423-19447, 2023 (SCI-Expanded)
- XII. **Cadmium determination at trace levels in lake water samples by cold vapor generation-atomic absorption spectrometry after magnetic dispersive solid phase extraction**  
Bodur S., ERARPAT S., Kayın İ., BAKIRDERE S. *Chemical Papers*, cilt.77, sa.11, ss.6629-6636, 2023 (SCI-Expanded)
- XIII. **Spray assisted preconcentration method combined with HPLC – Continuous flow hydride generation – FAAS for inorganic arsenic speciation in olive oil samples**  
Bodur S., ERARPAT S., Tutar O. F., BAKIRDERE S. *Journal of Food Composition and Analysis*, cilt.123, 2023 (SCI-Expanded)
- XIV. **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**  
Bodur S., ERARPAT S., GÜNKARA Ö. T., BAKIRDERE S.

Journal of Food Composition and Analysis, cilt.123, 2023 (SCI-Expanded)

- XV. **Quantification of trace fenuron in waste water samples by matrix matching calibration strategy and gas chromatography-mass spectrometry after simultaneous derivatization and preconcentration**  
Ofly S., ERARPAT S., Zaman B. T., Eroğlu K., GÜNKARA Ö. T., BAKIRDERE S., TURAK F.  
Environmental Monitoring and Assessment, cilt.195, sa.9, 2023 (SCI-Expanded)
- XVI. **Microwave assisted synthesis method for cobalt nanoleaves and its usage in sensitive determination of lead in blue butterfly tea extract and tap water samples by flame atomic absorption spectrophotometry**  
Kartoğlu B., Bahçivan A., ERARPAT S., Bayraktar A., BAKIRDERE S.  
Journal of Food Composition and Analysis, cilt.121, 2023 (SCI-Expanded)
- XVII. **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**  
Yazıcı E., Bodur S., ERARPAT S., Arslan U. E., BAKIRDERE S.  
Microchemical Journal, cilt.190, 2023 (SCI-Expanded)
- XVIII. **Nanoflower synthesis, characterization and analytical applications: a review**  
Chormey D. S., ERARPAT S., Zaman B. T., Özdoğan N., Yağmuroğlu O., BAKIRDERE S.  
Environmental Chemistry Letters, cilt.21, sa.3, ss.1863-1880, 2023 (SCI-Expanded)
- XIX. **Development of Fe<sub>3</sub>O<sub>4</sub>/reduced graphene oxide nanocomposite-based dispersive solid-phase extraction for the quantification of five steroid hormones**  
Çağatay N. U., Maviş M. E., ERARPAT S., BAKIRDERE S.  
Bioanalysis, cilt.15, sa.9, ss.503-512, 2023 (SCI-Expanded)
- XX. **Synthesis of Isotopic Labelled Paracetamol Benzoate-d<sub>3</sub> and Its Application in the Determination of Paracetamol**  
Demirel R., ERARPAT BODUR S., Bodur S., GÜNKARA Ö. T., BAKIRDERE S., TURAK F.  
ChemistrySelect, cilt.8, sa.13, 2023 (SCI-Expanded)
- XXI. **A simple spray assisted extraction/preconcentration of cadmium from sunflower oil, olive oil and hazelnut oil samples prior to flame atomic absorption spectrometry determination**  
Bodur S., ERARPAT S., Tutar Ö. F., BAKIRDERE S.  
Journal of Food Composition and Analysis, cilt.117, 2023 (SCI-Expanded)
- XXII. **Combination of quadrupole isotope dilution mass spectrometry with simultaneous derivatization and spray assisted droplet formation-liquid phase microextraction for the determination of methamphetamine in human urine and serum samples by gas chromatography mass spectrometry**  
Ofly S., Erarpat S., Zaman B. T., Günkara Ö. T., Bakirdere S., Turak F.  
Journal of Pharmacological and Toxicological Methods, cilt.119, 2023 (SCI-Expanded)
- XXIII. **Chromium speciation by the combination of high-performance liquid chromatography and inductively coupled plasma-optical emission spectrometry**  
Erarpat S., Demir C., Oner M., Bakirdere S.  
ENVIRONMENTAL MONITORING AND ASSESSMENT, cilt.194, sa.10, 2022 (SCI-Expanded)
- XXIV. **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>**  
ERARPAT S., Bodur S., GÜNKARA Ö. T., BAKIRDERE S.  
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, cilt.217, 2022 (SCI-Expanded)
- XXV. **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 hydroxychloroquine sulfate in biological fluids**  
ERARPAT S., Bodur S., Oner M., GÜNKARA Ö. T., BAKIRDERE S.  
RAPID COMMUNICATIONS IN MASS SPECTROMETRY, cilt.36, sa.12, 2022 (SCI-Expanded)
- XXVI. **Accurate determination of amino acids by quadruple isotope dilution-reverse phase liquid Chromatography-Tandem mass spectrometry after derivatization with 2-Naphthoyl chloride**

- Er E. O., ERARPAT S., Bodur S., GÜNKARA Ö. T., ÖZBEK B., BAKIRDERE S.  
JOURNAL OF CHROMATOGRAPHY A, cilt.1667, 2022 (SCI-Expanded)
- XXVII. **One step derivatization and dispersive liquid-liquid microextraction of hydroxychloroquine sulfate for its sensitive and accurate determination using GC-MS**  
Bodur S., ERARPAT S., GÜNKARA Ö. T., BAKIRDERE S.  
Journal of Pharmacological and Toxicological Methods, cilt.113, 2022 (SCI-Expanded)
- XXVIII. **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**  
Erarpat S., Bodur S., Chormey D. S., Öz E., Bakirdere S.  
Analytical Letters, cilt.55, sa.7, ss.1080-1092, 2022 (SCI-Expanded)
- XXIX. **Nanoparticles Based Extraction Strategies for Accurate and Sensitive Determination of Different Pesticides**  
Erarpat S., Bodur S., Bakirdere S.  
CRITICAL REVIEWS IN ANALYTICAL CHEMISTRY, cilt.52, sa.6, ss.1370-1385, 2022 (SCI-Expanded)
- XXX. **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**  
Öner M., Bodur S., Erarpat S., Bakirdere S.  
ANALYTICAL SCIENCES, cilt.37, sa.10, ss.1433-1438, 2021 (SCI-Expanded)
- XXXI. **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**  
Öner M., Bodur S., Demir C., Yazıcı E., ERARPAT S., BAKIRDERE S.  
Journal of Food Composition and Analysis, cilt.101, 2021 (SCI-Expanded)
- XXXII. **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**  
ERARPAT S., Bodur S., Oner M., GÜNKARA Ö. T., BAKIRDERE S.  
JOURNAL OF CHROMATOGRAPHY A, cilt.1651, 2021 (SCI-Expanded)
- XXXIII. **Determination of selenite and selenomethionine in kefir grains by reversed-phase high-performance liquid chromatography-inductively coupled plasma-optical emission spectrometry**  
Bodur S., Öner M., Erarpat S., Bakirdere S.  
JOURNAL OF SEPARATION SCIENCE, cilt.44, sa.16, ss.3031-3040, 2021 (SCI-Expanded)
- XXXIV. **Accurate and sensitive determination of hydroxychloroquine sulfate used on COVID-19 patients in human urine, serum and saliva samples by GC-MS**  
Bodur S., ERARPAT S., GÜNKARA Ö. T., BAKIRDERE S.  
JOURNAL OF PHARMACEUTICAL ANALYSIS, cilt.11, sa.3, ss.278-283, 2021 (SCI-Expanded)
- XXXV. **A rapid, sensitive and accurate determination of cobalamin with double monitoring system: HPLC-UV and HPLC-ICP-OES**  
Bodur S., Erarpat S., Balçık U., Bakirdere S.  
Food Chemistry, cilt.340, 2021 (SCI-Expanded)
- XXXVI. **Development of an easy and rapid analytical method for the extraction and preconcentration of chloroquine phosphate from human biofluids prior to GC-MS analysis**  
Bodur S., Erarpat S., Günkara Ö. T., Bakirdere S.  
JOURNAL OF PHARMACOLOGICAL AND TOXICOLOGICAL METHODS, cilt.108, 2021 (SCI-Expanded)
- XXXVII. **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**  
Bodur S., Erarpat S., Dalgıç Bozyiğit G., Selali Chormey D., Öz E., Özdoğan N., Bakirdere S.  
Microchemical Journal, cilt.159, 2020 (SCI-Expanded)

- XXXVIII. **Accurate and simple determination of oxcarbazepine in human plasma and urine samples using switchable-hydrophilicity solvent in GC-MS**  
Erarpat S., Bodur S., Ayyıldız M. F., Günkara Ö. T., Erulaş F., Chormey D. S., Turak F., Budak T., Bakırdere S.  
BIOMEDICAL CHROMATOGRAPHY, cilt.34, sa.10, 2020 (SCI-Expanded)
- XXXIX. **Accurate and Sensitive Analytical Method for the Determination of Cyclanilide in Cotton and Cosmetic Pads at Trace Levels Using the Combination of Vortex Assisted Iron(II,III)/Reduced Graphene Oxide Nanocomposite Based Dispersive Solid Phase Extraction and High Performance Liquid Chromatography (HPLC)**  
Erarpat S., Maltepe E., Öztürk Er E., Bakırdere S.  
Analytical Letters, cilt.53, sa.14, ss.2278-2291, 2020 (SCI-Expanded)
- XL. **Fe3O4/reduced graphene oxide nanocomposites based dispersive solid phase microextraction for trace determination of profenofos in white rice flour samples**  
Bodur S., Erarpat S., Bakırdere S.  
Journal of Food Composition and Analysis, cilt.91, 2020 (SCI-Expanded)
- XLI. **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**  
Bodur S., ERARPAT S., Chormey D. S., Bozyigit G., ÖZ E., Ozdogan N., BAKIRDERE S.  
NEW JOURNAL OF CHEMISTRY, cilt.44, sa.32, ss.13685-13691, 2020 (SCI-Expanded)
- XLII. **Reverse phase dispersive liquid-liquid microextraction coupled to slotted quartz tube flame atomic absorption spectrometry as a new analytical strategy for trace determination of cadmium in fish and olive oil samples**  
Özzybek G., Şahin İ., Erarpat S., Bakırdere S.  
Journal of Food Composition and Analysis, cilt.90, 2020 (SCI-Expanded)
- XLIII. **Simple, Sensitive, and Selective High Performance Liquid Chromatographic (HPLC) Method for the Determination of Buturon in Herbal Tea, Dried Blueberry, and Cranberry Samples and Evaluation of Its Stability in Gastric Conditions**  
Özzybek G., Erarpat S., Bakırdere S.  
Analytical Letters, cilt.53, sa.10, ss.1525-1535, 2020 (SCI-Expanded)
- XLIV. **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**  
Bodur S., Erarpat S., Günkara Ö. T., Chormey D. S., Bakırdere S.  
Talanta, cilt.213, 2020 (SCI-Expanded)
- XLV. **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**  
Erarpat S., Bodur S., Öztürk E., Bakırdere S.  
Journal of Separation Science, cilt.43, sa.6, ss.1100-1106, 2020 (SCI-Expanded)
- XLVI. **Determination of butyltin compounds in fish and mussel samples at trace levels by vortex assisted dispersive liquid-liquid microextraction-gas chromatography mass spectrometry**  
Erarpat S., Bodur S., Öz E., Bakırdere S.  
JOURNAL OF FOOD COMPOSITION AND ANALYSIS, cilt.82, 2019 (SCI-Expanded)
- XLVII. **Determination of Vitamin B12 and cobalt in egg yolk using vortex assisted switchable solvent based liquid phase microextraction prior to slotted quartz tube flame atomic absorption spectrometry**  
Tekin Z., ERARPAT S., Şahin A., Chormey D. S., BAKIRDERE S.  
FOOD CHEMISTRY, cilt.286, ss.500-505, 2019 (SCI-Expanded)
- XLVIII. **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)**  
ERARPAT S., ÇAĞLAK A., BODUR S., Chormey S. D., Engin G., BAKIRDERE S.

- ANALYTICAL LETTERS, cilt.52, sa.5, ss.869-878, 2019 (SCI-Expanded)
- XLIX. **Determination of Bismuth in Bottled and Mineral Water Samples at Trace Levels by T-Shaped Slotted Quartz tube-Atom Trap-Flame Atomic Absorption Spectrometry**  
Bodur S., ERARPAT S., Chormey D. S., BÜYÜKPINAR Ç., BAKIRDERE S.  
ANALYTICAL LETTERS, cilt.52, sa.3, ss.539-548, 2019 (SCI-Expanded)
- L. **Switchable solvent liquid-phase microextraction-gas chromatography-quadrupole isotope dilution mass spectrometry for the determination of 4-n-nonylphenol in municipal wastewater**  
ERARPAT S., Bodur S., Chormey D. S., BAKIRDERE S.  
Microchemical Journal, cilt.144, ss.1-5, 2019 (SCI-Expanded)
- LI. **A novel analytical approach for the determination of parathion methyl in water: quadrupole isotope dilution mass spectrometry-dispersive liquid-liquid microextraction using multivariate optimization**  
Chormey D. S., Er E., Erarpat S., Özzeybek G., Arı B., Bakırdere S.  
ANALYST, cilt.143, sa.5, ss.1141-1146, 2018 (SCI-Expanded)
- LII. **Determination of lead at trace levels in mussel and sea water samples using vortex assisted dispersive liquid-liquid microextraction-slotted quartz tube-flame atomic absorption spectrometry**  
ERARPAT S., Özzeybek G., Chormey D. S., BAKIRDERE S.  
CHEMOSPHERE, cilt.189, ss.180-185, 2017 (SCI-Expanded)
- LIII. **A novel liquid-liquid extraction for the determination of naphthalene by GC-MS with deuterated anthracene as internal standard**  
ERARPAT S., Özzeybek G., Chormey D. S., ERULAŞ F., TURAK F., BAKIRDERE S.  
ENVIRONMENTAL MONITORING AND ASSESSMENT, cilt.189, sa.10, 2017 (SCI-Expanded)
- LIV. **Sensitive determination of copper in water samples using dispersive liquid-liquid microextraction-slotted quartz tube-flame atomic absorption spectrometry**  
ÖZZEYBEK G., ERARPAT S., CHORMEY D. S., FİRAT M., Büyükpınar Ç., TURAK F., BAKIRDERE S.  
Microchemical Journal, cilt.132, ss.406-410, 2017 (SCI-Expanded)
- LV. **A Novel Liquid-Liquid Extraction for the Determination of Nicotine in Tap Water, Wastewater, and Saliva at Trace Levels by GC-MS**  
Dobrowska J. S., Erarpat S., Chormey D. S., Pyrzynska K., Bakırdere S.  
JOURNAL OF AOAC INTERNATIONAL, cilt.99, sa.3, ss.806-812, 2016 (SCI-Expanded)

## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **Determination of Prosulfocarb in Potato Flour Samples by Gas Chromatography-Mass Spectrometry**  
ERARPAT BODUR S.  
Karaelmas Fen ve Mühendislik Dergisi, cilt.14, sa.3, ss.129-135, 2024 (Hakemli Dergi)

## **Hakemli Bilimsel Toplantılarda Yayımlanmış Bildiriler**

- I. **Determination of Oxcarbazepine in Urine and Blood Samples by Gas Chromatography - Mass Spectrometry after Switchable Solvent Liquid Phase Microextraction Method**  
Erarpat S., Bodur S., Ayyıldız M. F., Günkara Ö. T., Erulaş F. A., Chormey D. S., Turak F., Budak T., Bakırdere S.  
2nd International Congress on Analytical and Bioanalytical Chemistry (2nd ICABC 2020), Antalya, Türkiye, 11 - 14 Mart 2020, ss.174
- II. **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**  
Bodur S., Erarpat S., Günkara Ö. T., Chormey D. S., Bakırdere S.  
2nd International Congress on Analytical and Bioanalytical Chemistry (2nd ICABC 2020), Antalya, Türkiye, 11 - 14 Mart 2020, ss.104

- III. **Sensitive and Accurate Determination of Butyltin Compounds in Fish and Mussel Samples by Vortex Assisted Dispersive Liquid-Liquid Microextraction-Gas Chromatography-Mass Spectrometry**  
Erarpat S., Bodur S., Öz E., Bakırdere S.  
1st INTERNATIONAL CONGRESS on ANALYTICAL and BIOANALYTICAL CHEMISTRY, Antalya, Türkiye, 27 - 30 Mart 2019, ss.159
- IV. **Switchable solvent liquid-phase microextraction-gas chromatography-quadrupole isotope dilution mass spectrometry for the determination of 4-n-nonylphenol in municipal waste water**  
ERARPAT S., Bodur S., Chormey D. S., BAKIRDERE S.  
11th Aegean Analytical Chemistry Days (AACD2018), Girit, Yunanistan, 25 Eylül 2018
- V. **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**  
Bodur S., Erarpat S., Chormey D. S., Büyükpınar Ç., Bakırdere S.  
11th Aegean Analytical Chemistry Days, Hania, Yunanistan, 25 - 29 Eylül 2018
- VI. **Quadrupole Isotope Dilution Mass Spectrometry-Dispersive Liquid-Liquid Microextraction Using Multivariate Optimization: A Novel Analytical Approach for the Determination of Parathion Methyl in Water**  
Chormey D. S., ÖZTÜRK ER E., ERARPAT S., Özzeybek G., Arı B., BAKIRDERE S.  
8TH BLACK SEA BASIN CONFERENCE ON ANALYTICAL CHEMISTRY, İstanbul, Türkiye, 09 Mayıs 2018, ss.41
- VII. **Dispersive Liquid-Liquid Microextraction-Slotted Quartz Tube-Flame Atomic Absorption Spectrometry for the Sensitive Determination of Lead in Mussel and Sea Water Samples**  
Özzeybek G., ERARPAT S., Chormey D. S., BAKIRDERE S.  
7th International IUPAC Conference on Green Chemistry, Moskova, Rusya, 02 Ekim 2017, ss.49
- VIII. **Sensitive Determination of Copper in Water Samples Using Dispersive Liquid-Liquid Microextraction-Slotted Quartz Tube-Flame Atomic Absorption Spectrometry**  
Özzeybek G., Erarpat S., Chormey D. S., Fırat M., Büyükpınar Ç., Turak F., Bakırdere S.  
7th IUPAC International Conference on Green Chemistry, Moscow, Rusya, 2 - 05 Ekim 2017, ss.23
- IX. **A Novel Liquid-Liquid Extraction for the Determination of Naphthalene in Tap Water at Trace Levels by GC-MS with Deuterated Anthracene as Internal Standard**  
ERARPAT S., Özzeybek G., Chormey D. S., Erulaş F., TURAK F., BAKIRDERE S.  
10th Aegean Analytical Chemistry Days, Çanakkale, Türkiye, 29 Eylül 2016, ss.238

## Desteklenen Projeler

Bakırdere S., Erarpat S., Chormey D. S., Dalgıç Bozyığıt G., TÜBİTAK Uluslararası İkili İşbirliği Projesi, Çevresel Örneklerde Bulunan Kurşun, Kadmiyum ve Nikel'in Basit ve Etkili Ekstraksiyon/Önderiştirme Stratejileri ve Farklı Hidrazon Kompleksleştirici Ajanları Kullanarak Yarıklı Kuartz Tüp-Alevli Atomik Absorpsiyon Spektrometrisi ile Doğru ve Duyarlı Tayinleri, 2023 - 2025

Bakırdere S., Günkara Ö. T., Erarpat S., TÜBİTAK Projesi, TÜBİTAK 1001 (122Z041) Kapsaisin Mikroe-kstraksiyon Yöntemleri ile Birleştirilmiş Dörtlü İzotop Seyreltme Kütle Spektrometrisi ile Eser Seviyelerde Yüksek Doğruluk ve Duyarlılıkta Tayini, 2022 - 2024

GÜNKARA Ö. T., Öner M., TURAK F., BAKIRDERE S., Eroğlu K., ERARPAT S., Zaman B. T., Oflu S., Yükseköğretim Kurumları Destekli Proje, Fenuron Bileşiminin İzotopik Türevinin Sentezlenmesi ve Dörtlü İzotop Seyreltme Yöntemi Kullanılarak Atıksu Örneklerinde Yüksek Doğruluk ve Duyarlılıkla Tayini, 2021 - 2022

Temel R., Erarpat S., Bodur S., Günkara Ö. T., Bakırdere S., Turak F., Yükseköğretim Kurumları Destekli Proje, Dörtlü İzotop Seyreltme Yöntemi Kullanılarak Kan ve İdrar Örneklerinde Eser Seviyelerde Bulunan Parasetamolün Yüksek Doğruluk ve Duyarlılıkla Tayini, 2021 - 2022

Bodur S., Erarpat S., Günkara Ö. T., Bakırdere S., Sağlık Bakanlığı, TUSEB - 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, 2020 - 2021

BAKIRDERE S., ÖZ E., BODUR S., ERARPAT S., DALGIÇ BOZYIĞIT G., ÖZDOĞAN N., Yükseköğretim Kurumları Destekli

Proje, Özgün Sıvı-Sıvı Mikroekstraksiyon İzotop Seyreltme Kütle Spektroskopisi Yöntemleri Kullanılarak Bisfenol A'nın Farklı Çevre Örneklerinde Yüksek Doğruluk ve Duyarlılıkta Tayini, 2020 - 2020

## **Etkinlik Organizasyonlarındaki Görevler**

Erarpat S., 8TH BLACK SEA BASIN CONFERENCE ON ANALYTICAL CHEMISTRY, Bilimsel Kongre / Sempozyum Organizasyonu, İstanbul, Türkiye, Mayıs 2018

## **Bilimsel Araştırma / Çalışma Grubu Üyelikleri**

Bakırdere Research Group, Yıldız Teknik Üniversitesi, Türkiye, <http://www.sezginbakirdere.org/>, 2016 - Devam Ediyor

## **Metrikler**

Yayın: 77

Atıf (WoS): 248

Atıf (Scopus): 493

H-İndeks (WoS): 8

H-İndeks (Scopus): 13

## **Kongre ve Sempozyum Katılımı Faaliyetleri**

4th INTERNATIONAL ENVIRONMENTAL CHEMISTRY CONGRESS (EnviroChem), Katılımcı, Antalya, Türkiye, 2022

1st INTERNATIONAL CONGRESS on ANALYTICAL and BIOANALYTICAL CHEMISTRY, Katılımcı, Antalya, Türkiye, 2019

11th Aegean Analytical Chemistry Days (AACD2018), Katılımcı, Hania, Yunanistan, 2018

8TH BLACK SEA BASIN CONFERENCE ON ANALYTICAL CHEMISTRY, Katılımcı, İstanbul, Türkiye, 2018

7TH IUPAC INTERNATIONAL CONFERENCE ON GREEN CHEMISTRY, Katılımcı, Moskva, Rusya, 2017

10th Aegean Analytical Chemistry Days, Katılımcı, Çanakkale, Türkiye, 2016

## **Ödüller**

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 (Aacd2018), Eylül 2018