

## Dr.Öğr.Üyesi Elif Öztürk Er

### Kişisel Bilgiler

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### Araştırma Alanları

Biyoteknoloji, Analitik Kimya

### Akademik Unvanlar / Görevler

Dr.Öğr.Üyesi, İstanbul Teknik Üniversitesi, Kimya-Metalurji, Kimya Mühendisliği, 2022 - Devam Ediyor

Öğretim Görevlisi, Yıldız Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Kimya Müh.Bölümü, 2018 - 2022

Araştırma Görevlisi, Yıldız Teknik Üniversitesi, Fen Bilimleri Enstitüsü, 2014 - 2018

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

- I. **Novel Salicylic Acid Modified Magnetic Nanoparticles Based Ligandless Extraction for the Accurate Determination of Bismuth in Urine Samples by Flame Atomic Absorption Spectrophotometry**  
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ANALYTICAL LETTERS, cilt.55, sa.11, ss.1719-1730, 2022 (SCI İndekslerine Giren Dergi)
- II. **Serum Levels of Selected Elements in Patients with Beta Thalassemia Major**  
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- III. **Magnetic Nanoparticles Based Solid Phase Extraction Methods for the Determination of Trace Elements**  
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- IV. **Accurate determination of amino acids by quadruple isotope dilution-reverse phase liquid Chromatography-Tandem mass spectrometry after derivatization with 2-Naphthoyl chloride**  
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- V. **Preconcentration of tellurium using magnetic hydrogel-assisted dispersive solid-phase extraction and its determination by slotted quartz tube-flame atomic absorption spectrophotometry**  
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- VI. **Sodium, Magnesium, Calcium, Manganese, Iron, Copper, and Zinc in Serums of Beta Thalassemia Major Patients**  
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- VII. **A Simple and Efficient Extraction Method for the Preconcentration of Copper in Tap Water and Linden Tea Samples Prior to FAAS Measurement**  
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- VIII. **Determination of seventeen free amino acids in human urine and plasma samples using quadruple isotope dilution mass spectrometry combined with hydrophilic interaction liquid chromatography Tandem mass spectrometry**  
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- IX. **Accurate, sensitive determination of omega-6 and omega-3 polyunsaturated fatty acids in human plasma, urine samples**  
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- X. **Chitosan magnetic hydrogel based ligandless magnetic solid phase extraction for the accurate and sensitive determination of thallium by slotted-quartz tube flame atomic absorption spectrophotometry with matrix matching calibration strategy**  
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- XI. **An accurate and sensitive analytical method for the simultaneous determination of glycine, methionine and homocysteine in biological matrices by matrix matching strategy and LC? quadrupole-time-of-flight-MS/MS**  
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- XII. **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)**  
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- XIII. **Hydride generation-flame atomic absorption spectrometric quantification of trace lead after the extraction by fatty acid functionalized Fe<sub>3</sub>O<sub>4</sub> nanoparticles assisted dispersive solid-phase extraction: a sensitive, precise and accurate analytical method**  
Akkaya E., ÖZTÜRK ER E., Kasa N. A. , ÇETİN G., KOMESLİ O. T. , BAKIRDERE S.  
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- XIV. **Sensitive Determination of Selected Drug Active Compounds in Wastewater Matrices by LC-QTOF-MS/MS after Vortex Assisted Binary Solvents Dispersive Liquid-Liquid Microextraction**  
KOÇOĞLU E. S. , SÖZÜDOĞRU O., KOMESLİ O. T. , YILMAZ A. B. , ÖZTÜRK ER E., BAKIRDERE S.  
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- XV. **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 ER E., BAKIRDERE S.  
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- XVI. **A powerful combination of quadruple isotope dilution strategy with dispersive magnetic solid phase extraction for the accurate and precise multi-analyte determination of tadalafil, sildenafil, avanafil and vardenafil in human plasma and urine samples using LC-ESI-Tandem MS**  
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- XVII. **A novel determination method for diuron in seaweed samples: Combination of quadruple isotope dilution strategy with liquid chromatography - quadrupole time of flight - tandem mass spectrometry for superior accuracy and precision**  
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- XVIII. **Application of supercritical gel drying method on fabrication of mechanically improved and**

**biologically safe three-component scaffold composed of graphene oxide/chitosan/hydroxyapatite and characterization studies**

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- XIX. **Determination of glycine in body fluids at trace levels using the combination of quadrupole isotope dilution strategy and Liquid Chromatography-Quadrupole Time of Flight-Tandem Mass Spectrometry**  
Tekin Z., ÖZTÜRK ER E., BAKIRDERE S.  
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- XX. **Magnetic cobalt particle-assisted solid phase extraction of tellurium prior to its determination by slotted quartz tube-flame atomic absorption spectrophotometry**  
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- XXI. **Development of an analytical method based on citric acid coated magnetite nanoparticles assisted dispersive magnetic solid-phase extraction for the enrichment and extraction of sildenafil, tadalafil, vardenafil and avanafil in human plasma and urine prior to determination by LC-MS/MS**  
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- XXII. **Ultrasound-assisted dispersive solid phase extraction based on Fe<sub>3</sub>O<sub>4</sub>/reduced graphene oxide nanocomposites for the determination of 4-tert octylphenol and atrazine by gas chromatography mass spectrometry**  
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- XXIII. **Accurate and sensitive determination of sildenafil, tadalafil, vardenafil, and avanafil in illicit erectile dysfunction medications and human urine by LC with quadrupole-TOF-MS/MS and their behaviors in simulated gastric conditions**  
ÖZTÜRK ER E., ÖZBEK B., BAKIRDERE S.  
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- XXIV. **A novel analytical method for the determination of cadmium in sorrel and rocket plants at ultratrace levels: Magnetic chitosan hydrogels based solid phase microextraction-slotted quartz tube-flame atomic absorption spectrophotometry**  
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- XXV. **Simultaneous Determination of Phorate and Oxyfluorfen in Well Water Samples with High Accuracy by GC-MS After Binary Dispersive Liquid-Liquid Microextraction**  
Alkan E., Kapukiran F., ÖZTÜRK ER E., Chormey D. S., KEYF S., Ozdogan N., BAKIRDERE S.  
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- XXVII. **A novel analytical approach for the determination of parathion methyl in water: quadrupole isotope dilution mass spectrometry-dispersive liquid-liquid microextraction using multivariate optimization**  
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- XXIX. **Simultaneous determination of niacin and pyridoxine at trace levels by using diode array high-**

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Sel S., ÖZTÜRK ER E., BAKIRDERE S.

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XXX. **Production of biologically safe and mechanically improved reduced graphene oxide/hydroxyapatite composites**

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## **Atıflar**

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