

Personal Information

Office Phone: [+90 212 383 8017](tel:+902123838017) Extension: 8017

Web: <https://avesis.yildiz.edu.tr/ekocoglu>

Education Information

Doctorate, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Analitik Kimya, Turkey 2016 - Continues

Post Graduate, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Kimya Mühendisliği, Turkey 2013 - 2016

Under Graduate, Yıldız Teknik Üniversitesi, Fen Edebiyat Fakültesi, Kimya, Turkey 2008 - 2013

Foreign Languages

English, C1 Advanced

Dissertations

Post Graduate, Sertralinin GC-MS Sisteminde Düşük Seviyelerde Tayinine Yönelik Analitik Yöntem Geliştirilmesi ve Yapay Mide Ortamındaki Kararlılığının Tespit Edilmesi, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Kimya Mühendisliği, 2016

Research Areas

Chemistry, Analytical Chemistry, Atomic Mass Spectrometry, Atomic and Molecular Spectroscopy, Chromatographic Analysis, Mass Spectroscopy, Molecular Mass Spectroscopy, Spectroscopical Methods, Natural Sciences

Academic Titles / Tasks

Lecturer, Yıldız Teknik Üniversitesi, Rectorate, Bituam , 2017 - Continues

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **Zirconium nanoparticles based dispersive solid phase extraction prior to slotted quartz tube-flame atomic absorption spectrophotometry for the determination of selenium in green tea samples**
Ebrar K., Seda K., Toprak M., Yılmaz O., Bakirdere S.
FOOD CHEMISTRY, vol.329, 2020 (Journal Indexed in SCI)
- **Sensitive determination of selected drug active compounds in wastewater matrices by LC-QTOF-MS/MS after vortex assisted binary solvents dispersive liquid-liquid microextraction**
Seda Koçoğlu E. S. , SÖZÜDOĞRU O. , KOMESLİ O. T. , YILMAZ A. B. , Er E., BAKIRDERE S.
Chemistry Letters, vol.49, pp.546-549, 2020 (Journal Indexed in SCI Expanded)
- **Accurate and Precise Determination of Gold in Plating Bath Solution: Deep Eutectic Solvent Based Liquid Phase Microextraction–Slotted Quartz Tube–Flame Atomic Absorption Spectrometry**
Yılmaz Ö., Durak B. Y. , Tekin Z., Koçoğlu E. S. , Bakirdere S.
Analytical Letters, vol.53, pp.165-173, 2020 (Journal Indexed in SCI)
- **Simultaneous determination of drug active compound, hormones, pesticides, and endocrine disruptor**

compounds in wastewater samples by GC-MS with direct calibration and matrix matching strategies after preconcentration with dispersive liquid-liquid microextraction

Koçoğlu E. S. , Sözüdoğru O., Komesli O. T. , Yılmaz A. E. , Bakırdere S.

Environmental Monitoring and Assessment, vol.191, 2019 (Journal Indexed in SCI)

• **A Novel Liquid-Liquid Extraction for the Determination of Sertraline in Tap Water and Waste Water at Trace Levels by GC-MS**

Koçoğlu E. S. , Bakırdere S., Keyf S.

Bulletin of Environmental Contamination and Toxicology, vol.99, pp.354-359, 2017 (Journal Indexed in SCI)

• **Sensitive Determination of Sertraline in Commercial Drugs and Its Stability Check in Simulated Gastric Juice**

Koçoğlu E. S. , Bakırdere S., Keyf S.

JOURNAL OF AOAC INTERNATIONAL, vol.99, pp.1527-1532, 2016 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

• **A Sensitive and Accurate Analytical Strategy: Zirconium Nanoparticles based Dispersive Solid Phase Extraction Prior to Slotted Quartz Tube Flame Atomic Absorption Spectrophotometry for the Determination of Selenium in Green Tea Samples**

Karlıdağ N. E. , Koçoğlu E. S. , Toprak M., Yılmaz Ö., Bakırdere S.

2nd International Congress on Analytical and Bioanalytical Chemistry (2nd ICABC 2020), Antalya, Turkey, 11 - 14 March 2020, pp.137

• **Simultaneous Determination of Selected Drug Active Compounds in Wastewater Matrix by Binary Solvent Dispersive Liquid-Liquid Microextraction-LC-QTOF-MS/MS System**

Koçoğlu E. S. , Sözüdoğru O., Komesli O. T. , Yılmaz A. E. , Öztürk Er E., Bakırdere S.

1st INTERNATIONAL CONGRESS on ANALYTICAL and BIOANALYTICAL CHEMISTRY, Antalya, Turkey, 27 March 2019, pp.223

• **Accurate and sensitive simultaneous determination of drug active compound, pesticides, hormones and endocrine disruptor compounds in wastewater samples using GC-MS after dispersive liquid-liquid microextraction**

Koçoğlu E. S. , Sözüdoğru O., Komesli O. T. , Yılmaz A. E. , Bakırdere S.

11th Aegean Analytical Chemistry Days (AACD2018), Hania, Greece, 25 September 2018

• **Development of a Sensitive and Accurate Dispersive Liquid – Liquid Microextraction Method for the Determination of Hydroxymethylfurfural in Honey Samples by HPLC after the Optimization by BoxBehnken Design**

YILMAZ Ö., KOÇOĞLU E. S. , BAKIRDERE S.

11th Aegean Analytical Chemistry Days (AACD2018), Girit, Greece, 25 September 2018

• **A Novel Liquid-Liquid Extraction for the Determination of Sertraline in Tap Water and Waste Water Samples at Trace Levels by GC-MS**

KOÇOĞLU E. S. , BAKIRDERE S., KEYF S.

7th International IUPAC Conference on Green Chemistry, 2 - 05 October 2017

• **Development of an Analytical Method for the Determination of Amoxicillin in Commercial Drugs and Wastewater Samples, and Assessing its Stability in Simulated Gastric Digestion**

Unutkan T., Koçoğlu E. S. , Bakırdere S., Keyf S.

10th Aegean Analytical Chemistry Days, Çanakkale, Turkey, 29 September - 02 October 2016, pp.21

• **SERTRALİNİN GC-MS SİSTEMİNDE DÜŞÜK SEVİYELERDE TAYİNİNE YÖNELİK ANALİTİK YÖNTEM GELİŞTİRİLMESİ VE YAPAY MİDE ORTAMINDAKİ KARARLILIĞININ TESPİT EDİLMESİ**

Koçoğlu E. S. , Bakırdere S., Keyf S.

EsAn-2016, IV. ESER ANALİZ KONGRESİ, Sakarya, Turkey, 19 - 22 May 2016, pp.65

Supported Projects

Bakırdere S., TUBITAK Project, Horseshoe Adasındaki Çevresel Örneklerde Organik/İnorganik Kirleticilerin, Değeri

Metaller ve Radyoaktif Elementlerin Önderiştirme Yöntemleri ile Birleştirilmiş Kromatografik ve Spektroskopik Yöntemler Kullanılarak Yüksek Doğruluk ve Duyarlılıkta Tayinleri, 2020 - 2023
Komesli O. T. , Bakırdere S., TUBITAK Project, Endokrin Bozucu Maddelerin Membran Biyoreaktöre Entegre Edilmiş İleri Elektrokksidasyon Sistemleri ile Arıtımının Araştırılması, 2016 - 2018

Invited Congress and Symposium Activities

2nd International Congress on Analytical and Bioanalytical Chemistry (2nd ICABC 2020), Working Group, Antalya, Turkey, 2020
1st International Congress on Analytical and Bioanalytical Chemistry, Attendee, Antalya, Turkey, 2019
AACD 2018, 11th Aegean Analytical Chemistry Days, Attendee, Hania, Greece, 2018
11th Aegean Analytical Chemistry Days, Session Moderator, Hania, Greece, 2018
7th International IUPAC Conference on Green Chemistry, Attendee, Moscow, Russia, 2017
AACD 2016, 10th Aegean Analytical Chemistry Days, Attendee, Çanakkale, Turkey, 2016
ESAN 2016, IV. Eser Analiz Kongresi, Attendee, Sakarya, Turkey, 2016

Citations

Total Citations (WOS):9
h-index (WOS):2

Awards

KOÇOĞLU E. S. , En İyi Poster İkincilik Ödülü, Sertralinin GC-MS Sisteminde Düşük Seviyelerde Tayinine Yönelik Analitik Yöntem Geliştirilmesi ve Yapay Mide Ortamındaki Kararlılığının Tespit Edilmesi, IV. Eser Analiz Kongresi, EsAn 2016, May 2016