

## Lect. Gamze DALGIÇ BOZYIĞIT

### Personal Information

**Birthyear:** 1987

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### Education Information

Post Graduate, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Çevre Mühendisliği, Turkey  
2011 - 2013

Under Graduate, Kocaeli Üniversitesi, Mühendislik Fakültesi, Çevre Mühendisliği, Turkey 2005 - 2009

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Post Graduate, Parasetamol içeren atıksularda kirletici parametrelerin gideriminde ileri oksidasyon yöntemlerinin uygulanması, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Çevre Mühendisliği, 2013

### Research Areas

Environmental Engineering, Environmental Technology, Industrial and Hazardous Waste Management, Water Pollution and Control, Chemical Engineering and Technology, Chemical Technologies, Environmental Chemistry and Technology, Chemistry, Analytical Chemistry, Chromatographic Analysis, Natural Sciences, Engineering and Technology

### Academic Titles / Tasks

Lecturer, Yıldız Teknik Üniversitesi, Rectorate, Bilimsel Araştırma Projeleri Koordinatörlüğü, 2019 - Continues

Research Assistant, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Çevre Mühendisliği, 2012 - 2019

Research Assistant, Abdullah Gül Üniversitesi, Department of Architecture, History of Architecture, 2012 - 2012

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

- 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., DALGIÇ BOZYIĞIT G., Selali Chormey D., ÖZ E., Özdoğan N., BAKIRDERE S.  
Microchemical Journal, vol.159, 2020 (Journal Indexed in SCI Expanded)

- II. **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, vol.44, pp.13685-13691, 2020 (Journal Indexed in SCI)
- III. **Development of a sensitive and accurate method for the simultaneous determination of selected insecticides and herbicide in tap water and wastewater samples using vortex-assisted switchable solvent-based liquid-phase microextraction prior to determination by gas chromatography-mass spectrometry**  
Bozyiğit G., Ayyıldız M. F., Chormey D. S., Engin G. O., Bakırdere S.  
Environmental Monitoring and Assessment, vol.192, 2020 (Journal Indexed in SCI)
- IV. **Magnetic Nanoparticles Based Solid Phase Extraction Methods for the Determination of Trace Elements**  
ÖZTÜRK ER E., DALGIÇ BOZYİĞİT G., Büyükpınar Ç., BAKIRDERE S.  
Critical Reviews in Analytical Chemistry, 2020 (Journal Indexed in SCI)
- V. **Combination of Slotted Quartz Tube Flame Atomic Absorption Spectrometry and Dispersive Liquid-Liquid Microextraction for the Trace Determination of Silver in Electroplating Rinse Bath**  
Terzioğlu D., DALGIÇ BOZYİĞİT G., Fırat Ayyıldız M., Chormey D. S., BAKIRDERE S.  
Analytical Letters, 2020 (Journal Indexed in SCI)
- VI. **Binary dispersive liquid-liquid microextraction strategy for accurate and precise determination of micropollutants in lake, well and wastewater matrices**  
Sarı Erkan H., Chormey D. S., Çağlak A., Dalgıç Bozyiğit G., Maltepe E., Engin G., Bakırdere S.  
Bulletin Of Environmental Contamination And Toxicology, vol.103, pp.841-847, 2019 (Journal Indexed in SCI)
- VII. **Simultaneous determination of 4-tert-octylphenol, chlorpyrifos-ethyl and penconazole by GC-MS after sensitive and selective preconcentration with stearic acid coated magnetic nanoparticles**  
Akkaya E., Bozyigit G., BAKIRDERE S.  
MICROCHEMICAL JOURNAL, vol.146, pp.1190-1194, 2019 (Journal Indexed in SCI)
- VIII. **DETERMINING PHARMACEUTICAL WASTE GENERATION CAPACITY IN ISTANBUL AND THE HABITS RELATING TO PHARMACEUTICAL WASTE DISPOSAL**  
TÜRKDOĞAN F. İ., Sonisik T., Dalgic G.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.28, pp.931-936, 2019 (Journal Indexed in SCI)
- IX. **Evaluation of the potential genotoxic activity in seawater of Asin Bay, Gulf of Gulluk, Mugla, Aegean coast of Turkey**  
Koçak E., Şakar S., Yetilmezsoy K., Bozyigit M., Dalgıç G.  
GLOBAL NEST JOURNAL, vol.19, pp.658-665, 2017 (Journal Indexed in SCI)
- X. **Treatment of real paracetamol wastewater by Fenton process**  
Dalgıç G., Türkdoğan İ., Yetilmezsoy K., Kıyan E.  
Chemical Industry & Chemical Engineering Quarterly, vol.23, pp.177-186, 2017 (Journal Indexed in SCI Expanded)

### **Refereed Congress / Symposium Publications in Proceedings**

- I. **Simultaneous Determination of Dioxacarb, Trifluralin, Tefluthrin And Flumetralin in Tap Water and Wastewater Samples by Gas Chromatography Mass Spectrometry after Vortex Assisted Switchable Solvent Based Liquid Phase Microextraction**  
Dalgıç Bozyiğit G., Fırat Ayyıldız M., Chormey D. S., Engin G., Bakırdere S.  
2nd International Congress on Analytical and Bioanalytical Chemistry (2nd ICABC 2020), Antalya, Turkey, 11 - 14 March 2020, pp.103
- II. **Enhancing the accuracy and precision in quantifying the pesticides present in complex environmental and food samples by GC-MS using matrix matching calibration and isotopically labeled internal standard**

Dalgıç Bozyiğit G., Fırat M., Chormey D. S., Engin G., Bakırdere S.

11th Eastern European Young Water Professionals Conference, Praha, Czech Republic, 1 - 05 October 2019, pp.294-301

- III. **Development of simultaneous determination method for selected pharmaceuticals and pesticides in wastewater by GC-MS to build up the treatment strategies**  
DALGIÇ BOZYİĞİT G., Fırat M., Chormey D. S., ENGİN G., BAKIRDERE S.  
11th Aegean Analytical Chemistry Days (AACD2018), Girit, Greece, 25 September 2018
- IV. **Utilization of Slop Oil Generated from the Production of Engine Oils in the Composition of Calcium Soap Greases**  
ÇAPANOĞLU C., DALGIÇ G., ESENOĞLU Z., KAVUT K., KURUR H., HÜYÜKTEPE Ş., KAYA Ç.  
Eurasia 2018 Waste Management Symposium, İstanbul, Turkey, 02 May 2018, pp.1-3
- V. **The Hydrothermal Treatment of Waste Semi-Synthetic Metal Cutting Fluid in Supercritical Water**  
DALGIÇ G., ÇAPANOĞLU C., AKGÜN M.  
International Advanced Researches & Engineering Congress, Osmaniye, Turkey, 16 November 2017, pp.2592-2595
- VI. **Determining Pharmaceutical Waste Generation Capacity in Istanbul and the Habits Relating to Pharmaceutical Waste Disposal**  
TÜRKDOĞAN F. İ., Sonışık T., DALGIÇ G.  
19th MESAEP International Symposium, Roma, Italy, 02 October 2017, vol.1, no.1, pp.129
- VII. **Determination of Potential Genotoxic Activity of Gulluk Gulf with SOS Chromotest**  
ŞAKAR S., KOÇAK E., DALGIÇ G., BOZYİĞİT M.  
9th Eastern European Young Water Professionals Conference, 24 - 27 May 2017, pp.115-116
- VIII. **The Hydrothermal Treatment of Olive Mill Wastewater in Supercritical Water over Ni/Al<sub>2</sub>O<sub>3</sub> Catalysts**  
Selçuk Ö., Dalgıç G., Akgün M.  
EurAsia 2016 Waste Management Symposium, İstanbul, Turkey, 2 - 04 May 2016, pp.1-5
- IX. **Toxicity Determination of Poultry Slaughterhouse Wastewater in Receiving Environment**  
Türkdoğan F. İ., Dalgic G., Kocak E., Yetilmezsoy K.  
EurAsia 2016 Waste Management Symposium, İstanbul, Turkey, 2 - 04 May 2016, pp.689-692
- X. **Removal of Highyl Polluted Wastewater by Electrocoagulation**  
TÜRKDOĞAN F. İ., DALGIÇ G.  
1st International Cenference on Environmental Science and Technology, Sarajevo, Bosnia And Herzegovina, 09 September 2015, pp.50-54
- XI. **Investigation of Potential Genotoxic Activity of Asin Gulf in the Aegean Region**  
Bozyigit M., Kocak E., Sakar S., Dalgic G., Yetilmezsoy K., Ikizoglu B., Erguven G. O.  
MOLCHEM 2014, Interational Symposium on Molecular Chemistry, İstanbul, Turkey, 18 - 19 December 2014, pp.75
- XII. **Monitoring The Removal Efficiency of The Herbicide Aclonifen By Soil Bacteria**  
ERGÜVEN G. Ö., BAYHAN H., İKİZOĞLU B., KUZU S. L., KIYAN E., DALGIÇ BOZYİĞİT G., ŞAKAR S.  
MOLCHEM 2014- International Symposium of Molecular Chemistry, 18 - 19 December 2014, pp.94
- XIII. **Investigation of Increase in Antibiotic Concentrations Introduced in Water Bodies and Effects on Environment**  
Türkdoğan F. İ., İkizoğlu B., Dalgıç Bozyiğit G., Yetilmezsoy K., Diler N.  
Eurasia 2014 Waste Management Symposium, İstanbul, Turkey, 28 - 30 April 2014, pp.1-5
- XIV. **Parasetamol İçeren İlaç Atıksularından İleri Oksidasyon Sistemleri ile KOİ Giderimi**  
Türkdoğan F. İ., Dalgic G., Yetilmezsoy K., Koçak E., Zaghbani N.  
I. Ar-Ge Proje Pazarı Enerji ve Çevre Teknolojileri, İstanbul, Turkey, 29 - 30 May 2012, pp.1

## Supported Projects

BAKIRDERE S., ÖZ E., BODUR S., ERARPAT S., DALGIÇ BOZYİĞİT G., ÖZDOĞAN N., Project Supported by Higher Education Institutions, Özgün Sıvı-Sıvı Mikroekstraksiyon İzotop Seyreltme Kütle Spektroskopisi Yöntemleri Kullanılarak Bisfenol

A'nın Farklı Çevre Örneklerinde Yüksek Doğruluk ve Duyarlılıkta Tayini, 2020 - Continues  
ENGİN G., DALGIÇ BOZYİĞİT G., Project Supported by Higher Education Institutions, Simultaneous Determination of Nervous System Drugs and Their Treatment from Wastewater by Novel Adsorption Technologies, 2020 - Continues  
KANAT G., DALGIÇ BOZYİĞİT G., Project Supported by Higher Education Institutions, Haliç Sediment Çamurunun Kirliliği ve Ağır Metal Fraksiyonlarının Belirlenmesi, 2014 - 2017  
Şakar S., Koçak E., Dalgıç Bozyiğit G., Bozyiğit M., Project Supported by Higher Education Institutions, Güllük Körfezi Off Shore Balık Yetiştiricilik Tesislerini Tehdit Eden Potansiyel Genotoksik Etkilerin Araştırılması, 2013 - 2017  
Bayhan H., Kanat G., Kıyan E., Dalgıç Bozyiğit G., Ergüven G. Ö. , Nuhoglu Y., Project Supported by Higher Education Institutions, Ayçiçeği üretiminde kullanılan pestisitlerin Tribenuron methyl Acinofen Trifluralin doğal süreçte izlenmesi ve bioremediasyon yöntemiyle gideriminin araştırılması, 2012 - 2016  
Türkdoğan F. İ. , Yetilmezsoy K., DALGIÇ BOZYİĞİT G., Project Supported by Higher Education Institutions, Parasetamol İçeren İlaç Atıksularından İleri Oksidasyon Sistemleri İle KOİ Giderimi, 2011 - 2016  
Kıyan E., Dalgıç Bozyiğit G., Yetilmezsoy K., Türkdoğan F. İ. , Ergüven G. Ö. , Project Supported by Higher Education Institutions, Parasetamol İçeren İlaç Atıksuyunun Canlı DNA'sı Üzerindeki Genotoksik Etkilerinin Araştırılması, 2012 - 2015

## Citations

Total Citations (WOS):5

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