

## **Asst. Prof. ORHAN GÖKYAY**

### **Personal Information**

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### **Biography**

Orhan Gökyay has received his Bachelor's degree in Environmental Engineering from Marmara University in 1999. He earned his MS degree in Environmental Engineering from Marmara University in 2001 and PhD in Environmental Technology from Boğaziçi University in 2009. He is currently a faculty member of Environmental Engineering at Marmara University, İstanbul, Turkey. His current research interests include management of sludges generated from wastewater treatment plants, water supply and distribution networks, wastewater collection and soil recovery.

### **Education Information**

Doctorate, Boğaziçi Üniversitesi, Çevre Bilimleri Enstitüsü, Çevre Teknolojisi Anabilim Dalı, Turkey 2001 - 2009

Post Graduate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Çevre Mühendisliği (YI) (Tezli), Turkey 1999 - 2001

Under Graduate, Marmara University, Faculty of Engineering, Environmental Engineering, Turkey 1994 - 1999

### **Foreign Languages**

English, C1 Advanced

### **Dissertations**

Doctorate, A simple method for small scale wastewater treatment plants for the thickening of sludges: Mesh filter and foam filter, Boğaziçi Üniversitesi, Çevre Bilimleri Enstitüsü, Çevre Teknolojisi Anabilim Dalı, 2009

Post Graduate, An Application of soil washing method for the remediation of contaminated soils by mining activities, Marmara Üniversitesi, Fen Bilimleri Enstitüsü, Çevre Mühendisliği (YI) (Tezli), 2001

### **Research Areas**

Waste Water Collection and Treatment, Water Pollution and Control, Water Supply and Treatment, Soil and Groundwater Pollution and Control

### **Academic Titles / Tasks**

Assistant Professor, Marmara University, Faculty of Engineering, Environmental Engineering, 2010 - Continues

Research Assistant, Marmara University, Faculty of Engineering, Environmental Engineering, 1999 - 2010

## Professional Experience

Deputy Head of Department, Marmara University, Faculty of Engineering, Environmental Engineering, 2012 - Continues

## Advising Theses

- GÖKYAY O., Atık su arıtma tesislerin'de süzüntü suyu kaynaklı yükler, Post Graduate, K.Alshami(Student), 2016  
GÖKYAY O., Reject water load on wastewater treatment plants, Post Graduate, K.S.K.(Student), 2016  
GÖKYAY O., Essakane Altın Madeni'nin çevresel etkileri, Post Graduate, M.PORGO(Student), 2015  
GÖKYAY O., Su mercimeği (Lemna minor L.) kullanarak evsel atıksulardan nutrient ve ağır metal giderimi, Post Graduate, M.Balcıgil(Student), 2013  
GÖKYAY O., Nutrient and heavy metal removal from domestic wastewater by using duckweed (Lemna minor L.), Post Graduate, M.BALCIGİL(Student), 2013  
GÖKYAY O., The role of ozonation in sludge thickening by foam filtration and its cost analysis, Post Graduate, S.ÇIRAK(Student), 2013  
GÖKYAY O., Foam filter for sludge thickening, Post Graduate, A.ATMACA(Student), 2011

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

- I. **Environmental impacts of gold mining in Essakane site of Burkina Faso**  
Porgo M., Gökyay O.  
HUMAN AND ECOLOGICAL RISK ASSESSMENT, vol.23, pp.641-654, 2017 (Journal Indexed in SCI)
- II. **Leachability of metals from soil contaminated by mining activities**  
Yukselen M., Gokyay O.  
ENVIRONMENTAL ENGINEERING SCIENCE, vol.23, no.1, pp.125-132, 2006 (Journal Indexed in SCI)
- III. **Inactivation of coliform bacteria in Black Sea waters due to solar radiation**  
Yukselen M., Calli B., Gokyay O., Saatci A.  
ENVIRONMENT INTERNATIONAL, vol.29, no.1, pp.45-50, 2003 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **An easy MS Excel software to use for water distribution system design: A real case distribution network design solution**  
GÖKYAY O.  
JOURNAL OF APPLIED WATER ENGINEERING AND RESEARCH, vol.8, no.4, pp.290-297, 2020 (Journal Indexed in ESCI)
- II. **Ham ve Sentetik Atıksularda Su Mercimeği (Lemna minor L.) Kullanılarak Karbon ve Besi Maddelerinin Gideriminin İncelenmesi ve Karşılaştırılması**  
Gökyay O., Balcıgil M.  
Marmara Fen Bilimleri Dergisi, vol.29, no.4, pp.124-132, 2017 (Refereed Journals of Other Institutions)
- III. **THE ROLE OF OZONATION IN SLUDGE THICKENING BY FOAM FILTRATION AND ITS COST ANALYSI**  
Gökyay O., Çırak S.  
International Journal of Advances in Engineering and Pure Sciences, vol.26, no.1, pp.12-19, 2014 (National Refreed University Journal)
- IV. **Thickening of Sludges with Foam Filter**  
Gökyay O., Erdinçler A.  
Su Kirlenmesi Kontrolü - İTÜ Dergisi, vol.20, no.1, pp.85-93, 2010 (National Refreed University Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **EFFECTS OF REJECT WATER ON A LARGE SCALE WASTEWATER TREATMENT PLANT IN ISTANBUL**  
GÖKYAY O., ALSHAMI K.  
ICOCEE – CAPPADOCIA 2017, 8 - 10 May 2017
- II. **Türkiye’de beyaz eşya üretiminden kaynaklanan tehlikeli atıklar**  
Yazıcı B., CAN Z. S. , ÇALLI B., MERTOĞLU B., GÖKYAY O., AKGÜL D., YETİŞ Ü.  
İTÜ 13.Endüstriyel Kirlenme Kontrolü Sempozyumu, Turkey, 17 - 19 October 2012
- III. **Türkiye’de otomotiv sektöründen kaynaklanan tehlikeli atıkların azaltılması çalışmaları**  
CAN Z. S. , GÖKYAY O., ÇALLI B., MERTOĞLU B., AKGÜL D., Yazıcı B., YETİŞ Ü.  
İTÜ 13. Endüstriyel Kirlenme Kontrolü Sempozyumu, Turkey, 17 - 19 October 2012
- IV. **Investigation of Hazardous Waste Generation by Turkish Automotive Industry**  
YAZICI B., CAN Z. S. , GÖKYAY O., ÇALLI B., MERTOĞLU B., AKGÜL D., YETİŞ Ü.  
EurAsia Waste Management Symposium, 14 - 16 November 2011
- V. **Hazardous Waste Generation From Household Appliances Industry in Turkey**  
YAZICI B., ÇALLI B., MERTOĞLU B., CAN Z. S. , GÖKYAY O., AKGÜL D., YETİŞ Ü.  
EurAsia Waste Management Symposium, 14 - 16 November 2011
- VI. **SLUDGE THICKENING WITH FOAM FILTER**  
Gökyay O., Erdinçler A.  
II. Ulusal Arıtma Çamurları Sempozyumu,, İzmir, Turkey, 4 - 06 November 2009, pp.61-70
- VII. **“Effect of solar radiation on the inactivation of coliform bacteria in black sea waters**  
Gökyay O., Yükselen M. A. , Çallı B., Saatçı A. M.  
Third Black Sea International Conference, Environmental Protection Technologies for Coastal Protection, Varna, Bulgaria, 6 - 08 June 2001, pp.14-22
- VIII. **Dewatering and settling Characteristics of sludge from an organized industrial zone**  
Gökyay O., Yükselen M. A.  
IWA Sludge Management Entering the third Millennium Industrial, combined Water and Wastewater Residues, Taipei, Taiwan, 25 - 28 March 2001, pp.490-495
- IX. **The Effect of Land Based Sea Pollution in An Old Mining Region”: A Case Study from Northern Cyprus**  
Gökyay O., Yükselen M. A. , Çallı B., Kocamemi B.  
Paris 2000: 1st World Congress of the International Water Association (IWA), Paris, France, 3 - 07 July 2000

## Expert Reports

- I. **2017/254 Çevreyi Kasten Kirletme**  
Gökyay O.  
T.C. İSTANBUL ANADOLU 38. ASLİYE CEZA MAHKEMESİ, pp.12, İstanbul, 2019
- II. **2017/351 Çevreyi Kasten Kirletme**  
Gökyay O.  
T.C. İSTANBUL ANADOLU 69. ASLİYE CEZA MAHKEMESİ, pp.9, İstanbul, 2018

## Supported Projects

- Gökyay O., Balcıgil M., Project Supported by Higher Education Institutions, Su mercimeği (Lemna Minor) kullanarak evsel atıksulardan nutrient ve ağır metal giderimi, 2013 - 2015
- Gökyay O., Can Z. S. , Çallı B., Mertoğlu B., Akgül D., TUBITAK Project, Türkiye de AB Çevre Mevzuatı ile uyumlu Tehlikeli Atık Yönetimi, 2009 - 2013
- Gökyay O., Project Supported by Higher Education Institutions, Sludge Thickening with Foam Filter, 2010 - 2012
- Gökyay O., Bakırcı K., Project Supported by Higher Education Institutions, Kaldness halkası dolgulu anammox sisteminde serbest amonyak inhibisyonunun incelenmesi, 2010 - 2012

Can Z. S. , Yükselen M. A. , Gökyay O., TUBITAK Project, Yüksek Çözünmüş Organik Madde İçeren Sularda Flok Yapılarının İncelenmesi , 2005 - 2008

Gökyay O., Erdinçler A., Project Supported by Higher Education Institutions, Mesh Filtration as a New Method in Sludge Thickening, 2004 - 2006

Gökyay O., Yükselen M. A. , Project Supported by Higher Education Institutions, Application of Stabilization/Solidification Techniques in the Preservation of Groundwater Pollution from Industrial Wastes/Sludges, 2003 - 2005

Gökyay O., Yükselen M. A. , Project Supported by Higher Education Institutions, Stabilization Techniques Used on Rehabilitation of Contaminated Soils, 2000 - 2002

## **Citations**

Total Citations (WOS):34

h-index (WOS):3