

## Asst. Prof. ORHAN GÖKYAY

### Personal Information

**Office Phone:** [+90 216 777 3606](tel:+902167773606)

**Email:** [orhan.gokyay@marmara.edu.tr](mailto:orhan.gokyay@marmara.edu.tr)

**Web:** <https://avesis.marmara.edu.tr/orhan.gokyay>

### International Researcher IDs

ScholarID: mhSsgEEAAAAJ

ORCID: 0000-0001-8262-6645

Yoksis Researcher ID: 39699

### 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, Bogazici University, Institute Of Environmental Sciences, Department Of Environmental Technology, Turkey  
2001 - 2009

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

Undergraduate, 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

Postgraduate, An Application of soil washing method for the remediation of contaminated soils by mining activities, Marmara Üniversitesi, Institute for Graduate Studies in Pure and Applied Sciences, 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

## Academic and Administrative Experience

Marmara University, Faculty of Engineering, Environmental Engineering, 2012 - Continues

## Advising Theses

Gökyay O., PETROL SIZINTISIYLA KONTAMİNE OLMUŞ BİR AKARYAKIT İSTASYONUNUN ÇEVRE VE HALK SAĞLIĞI AÇISINDAN TKKNKKS DY KAPSAMINDA İNCELENMESİ VE REHABİLİTASYONU İÇİN UYGUN METODOLOJİ ARAŞTIRILMASI, Postgraduate, G.KARA(Student), 2022

Gökyay O., Evsel katı atık toplama ve taşıma iş kolunda çalışanların iş sağlığı ve güvenliği koşullarının değerlendirilmesi, Ankara-Yenimahalle örneği, Postgraduate, L.MERVE(Student), 2020

GÖKYAY O., Reject water load on wastewater treatment plants, Postgraduate, K.S.K.(Student), 2016

GÖKYAY O., Atık su arıtma tesislerin'de süzüntü suyu kaynaklı yükler, Postgraduate, K.Alshami(Student), 2016

GÖKYAY O., Essakane Altın Madeni'nin çevresel etkileri, Postgraduate, M.PORGO(Student), 2015

GÖKYAY O., Nutrient and heavy metal removal from domestic wastewater by using duckweed (Lemna minor L.), Postgraduate, M.BALCIGİL(Student), 2013

GÖKYAY O., Su mercimeği (lemna minor L.) kullanarak evsel atıksulardan nutrient ve ağır metal giderimi, Postgraduate, M.Balcıgil(Student), 2013

GÖKYAY O., The role of ozonation in sludge thickening by foam filtration and its cost analysis, Postgraduate, S.ÇIRAK(Student), 2013

GÖKYAY O., Foam filter for sludge thickening, Postgraduate, A.ATMACA(Student), 2011

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Investigation of non-fatal occupational accidents and their causes in Turkish shipyards**  
Izci F. B., Gökyay O., Barlas B.  
INTERNATIONAL JOURNAL OF OCCUPATIONAL SAFETY AND ERGONOMICS, vol.29, pp.1-8, 2023 (SSCI)
- II. **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 (SCI-Expanded)
- III. **Leachability of metals from soil contaminated by mining activities**  
Yukselen M., Gokyay O.  
ENVIRONMENTAL ENGINEERING SCIENCE, vol.23, no.1, pp.125-132, 2006 (SCI-Expanded)
- IV. **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 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Phases and Applications of the Regulation on Control of Soil Pollution and Point Source Contaminated Sites Specific to Fuel Stations**  
Gökyay O., Kara G.  
Marmara Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.34, no.3, pp.445-460, 2022 (Peer-Reviewed Journal)

- II. **İş Yerlerinde Ergonomik Koşulların İş Sağlığı ve Güvenliği Açısından Aydınlatma Özelinde Değerlendirilmesi**  
Gökyay O., Okşak İ.  
International journal of advances in engineering and pure sciences (Online), vol.32, no.4, pp.488-493, 2020 (Peer-Reviewed Journal)
- III. **Evsel Katı Atık Toplama ve Taşıma İşkolunda Çalışanların İş Sağlığı ve Güvenliği Koşullarının Değerlendirilmesi, Ankara-Yenimahalle Örneği**  
Gökyay O., Özer L. M.  
International journal of advances in engineering and pure sciences (Online), vol.32, no.4, pp.413-419, 2020 (Peer-Reviewed Journal)
- IV. **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 (ESCI)
- V. **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 (Peer-Reviewed Journal)
- VI. **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 (Peer-Reviewed Journal)
- VII. **Thickening of Sludges with Foam Filter**  
Gökyay O., Erdinçler A.  
Su Kirlenmesi Kontrolü - İTÜ Dergisi, vol.20, no.1, pp.85-93, 2010 (Peer-Reviewed 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 Managemet Entering the third MilleniumIndustrial, 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

## Metrics

Publication: 22

Citation (WoS): 43

Citation (Scopus): 48

H-Index (WoS): 3

H-Index (Scopus): 3

## Non Academic Experience

Marmara Üniversitesi