

# DOĞAN KARADAĞ

## PROF.

Email : dkaradag@yildiz.edu.tr

Other Email : dogankaradag@gmail.com

Office Phone : [+90 212 383 5384](tel:+902123835384)

Address : Davutpaşa Kampüsü, İnşaat Fakültesi, Çevre Mühendisliği Bölümü, C 2-006 Esenler

### International Researcher IDs

ScholarID: JTTziszgAAAAJ

ORCID: 0000-0002-5217-1173

Publons / Web Of Science ResearcherID: AAZ-8870-2020

ScopusID: 14056059300

Yoksis Researcher ID: 174106

### Education

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Doctorate 2003 - 2007	Yildiz Technical University, Fen Bilimleri, Çevre Mühendisliği, Turkey
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Postgraduate 1999 - 2003	Yildiz Technical University, Fen Bilimleri, Çevre Mühendisliği, Turkey
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Undergraduate 1994 - 1999	Istanbul Technical University, İnşaat, Çevre Mühendisliği, Turkey
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### Foreign Languages

English, B2 Upper Intermediate

### Academic Titles / Tasks

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Professor 2019 - Continues	Yildiz Technical University, Faculty Of Civil Engineering, Department Of Environmental Engineering
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Associate Professor 2013 - 2019	Yildiz Technical University, Faculty Of Civil Engineering, Çevre Mühendisliği
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Assistant Professor 2010 - 2013	Yildiz Technical University, İnşaat Fakültesi, Çevre Mühendisliği
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Research Assistant 2000 - 2013	Yildiz Technical University, İnşaat Fakültesi, Çevre Mühendisliği
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## Supported Projects

1. ÇAKMAKCI M., ZENGİN İ. H., ELCİK H., zoungrana a., KARADAĞ D., ARSLANKAYA E., Project Supported by Higher Education Institutions, MEMBRAN DİSTİLYASYONU PROSESİ İLE AMONYUM GERİ KAZANIMI, 2017 - 2020
2. Çakmakçı M., Karadağ D., Technopark, Yeraltı su kaynaklarının su kalitesinin değerlendirilmesi ve uygun arıtma teknolojilerinin belirlenmesi , 2017 - 2018
3. Torun L., Çakmakçı M., Karadağ D., Demir A., Bilgili M. S., İnce M., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Membran Malzemeleri ve Teknolojileri Uygulama ve Araştırma Merkezi, 2017 - 2018
4. Nuhoğlu Y., Karadağ D., Project Supported by Higher Education Institutions, YTÜ Yıldız Kampüsü'ndeki tarihi eserlerdeki taş malzemenin biyolojik bozunmasının tespit edilmesi, 2012 - 2017
5. Karadağ D., Çakmakçı M., Kobya M., Özkaya B., Aydın C., Elcik H., Zoungrana A., Yeşilirmak D., Project Supported by Higher Education Institutions, Membran Distilasyon Prosesi İle İçme Sularındaki Arseniğin Arıtılabilirliği, 2013 - 2016
6. Çakmakçı M., Karadağ D., Avcıata O., Denктаş C., Yaman F. B., Çetinkaya A. Y., Zengin İ. H., TUBITAK Project, Yüzeysel Kaplanmış Ultrafiltrasyon Membranları İle İçme Suyu Kaynaklarındaki Organik Maddelerin Arıtılabilirliği, 2012 - 2014
7. Özkaya B., Karadağ D., Denктаş C., Çetinkaya A. Y., Baysoy D. Y., TUBITAK Project, Yeni Geliştirilen Çapraz Akışlı Çoklu Tüp Mikrobiyal Yakıt Hücreleri İle Eysel Atıksu Akımından Elektrik Enerjisi Üretimi, 2012 - 2014
8. Çakmakçı M., Yetilmezsoy K., Karadağ D., Yaman F. B., Dora B., Bali V., Türkay H., Genç T., Elçik H., Aydın M., TUBITAK Project, Tekstil Atıksularının Nanofiltrasyon Membranı İle Arıtımı Sonucu Oluşan Konsantrenin Anaerobik Arıtılabilirliği, 2011 - 2013
9. KARADAĞ D., Project Supported by Higher Education Institutions, Organik atıkların kompostlaştırılmasında rol alan mikrobiyal türlerin PCR-DGGE-Dizi Analizi temelli moleküler tekniklerle belirlenmesi, 2011 - 2013
10. Çakmakçı M., Özkaya B., Karadağ D., Yaman Büyükbüberoğlu F. B., Campagna M., Dora B., Çelebi V., Project Supported by Higher Education Institutions, Tekstil Proseslerinde Oluşan Atıksularda Organik Maddelerin Moleküler Ağırlık Dağılımının Araştırılması, 2011 - 2013
11. Özkaya B., Karadağ D., Hasar H., Taşkan E., Çetinkaya A. Y., Köroğlu E. O., TUBITAK Project, Mikrobiyal Yakıt Hücreleri İle Asit Oluşumu Ve Metan Oluşumu Safhasındaki Katı Atık Depolama Alanı Sızıntı Sularından Elektrik Üretimi, 2010 - 2012
12. Çakmakçı M., Özkaya B., Karadağ D., Acı G., Özkaya Ş., Project Supported by Higher Education Institutions, Katı atık düzenli depolama alanlarından kaynaklanan sızıntı sularının membran proseslerle arıtılabilirliği, 2010 - 2012
13. Puhakka J. A., Karp M., Tuovinen O., Mäkinen A., Nissila M., Karadağ D., Other International Funding Programs, Renewable production of H<sub>2</sub> using biological systems , 2008 - 2009
14. Puhakka J. A., Rintala J., Nissila M., Tahti H., Karadağ D., Universities of Other Countries Supported Project, Bioprocess technology for sustainable energy, 2008 - 2009
15. Kanat G., Karadağ D., Project Supported by Higher Education Institutions, Perlit, sepiyolit ve klinoptilolit minerallerinin atıksu arıtımında adsorplayıcı kullanımının araştırılması, 2004 - 2005

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

1. **Microalgae Biomass Harvesting Using Chitosan Flocculant: Optimization of Operating Parameters by Response Surface Methodology**  
Elçik H., Karadağ D., Kara A. I., Çakmakçı M.  
SEPARATIONS, vol.10, no.507, pp.1-14, 2023 (SCI-Expanded)
2. **State of the Art in Anaerobic Treatment of Landfill Leachate: A Review on Integrated System, Additive Substances, and Machine Learning Application**  
Zamrisha N. A. F., Wahab A. M. A., Zainal A., KARADAĞ D., Bhutada D., Suhartini S., Musa M. A., Idrus S.  
Water (Switzerland), vol.15, no.7, 2023 (SCI-Expanded)
3. **Wastewater Treatment by Anaerobic Fluidized Membrane Bioreactor**  
Karadağ D.

POLISH JOURNAL OF ENVIRONMENTAL STUDIES, vol.28, pp.3551-3568, 2019 (SCI-Expanded)

4. **TREATMENT PROCESSES BASED ON THE MOLECULAR WEIGHT DISTRIBUTION OF TEXTILE DYEING WASTEWATER**  
Yaman F. B., ÇAKMAKCI M., KARADAĞ D., Ozkaya B., Bali V., Dora B.  
ENVIRONMENT PROTECTION ENGINEERING, vol.44, no.2, pp.147-158, 2018 (SCI-Expanded)
5. **Combination of low-pressure UF membranes with conventional water treatment systems**  
Karali İ., ÇAKMAKCI M., Koyuncu İ., DEMİR A., KARADAĞ D.  
GLOBAL NEST JOURNAL, vol.19, no.4, pp.584-591, 2017 (SCI-Expanded)
6. **Post-treatment of anaerobically-treated compost leachate by membrane systems:emphasis on molecular weight distribution**  
ACUN S., ÇELİK S. Ö., ÇAKMAKCI M., KARADAĞ D., ARMAĞAN B., ÖZKAYA B.  
Desalination And Water Treatment, pp.40-47, 2017 (SCI-Expanded)
7. **Molecular weight distributions in cotton-dyeing textile wastewaters**  
YAMAN F. B., ÇAKMAKCI M., KARADAĞ D., ÖZKAYA B., BALI V., DORA B.  
DESALINATION AND WATER TREATMENT, vol.57, no.27, pp.12684-12691, 2016 (SCI-Expanded)
8. **COMPARISON OF TREATMENT EFFICIENCY AND MOLECULAR WEIGHT DISTRIBUTION OF MEMBRANE CONCENTRATE FROM TEXTILE WASTEWATER**  
Yaman F. B., Çakmakcı M., Karadağ D., Yetilmezsoy K., Özkaya B., Turkyay H., Genc T.  
GLOBAL NEST JOURNAL, vol.18, pp.348-359, 2016 (SCI-Expanded)
9. **Arsenic removal from drinking water by direct contact membrane distillation**  
ZOUNGRANA A., ZENGİN İ. H., Elcik H., YESİLİRMAK D., KARADAĞ D., ÇAKMAKCI M.  
MEMBRANE WATER TREATMENT, vol.7, no.3, pp.241-255, 2016 (SCI-Expanded)
10. **EFFECT OF PRE-OZONATION ON ANAEROBIC TREATABILITY OF MEMBRANE CONCENTRATE**  
Çakmakcı M., Yaman F. B., Yetilmezsoy K., Karadağ D., Ozkaya B., Turkyay H., Genc T.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.25, pp.1206-1220, 2016 (SCI-Expanded)
11. **The production of electricity from dual-chambered microbial fuel cell fueled by old age leachate**  
CETINKAYA A. Y., ÖZKAYA B., Taskan E., KARADAĞ D., ÇAKMAKCI M.  
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.38, no.11, pp.1544-1552, 2016 (SCI-Expanded)
12. **Anaerobic granular reactors for the treatment of dairy wastewater: A review**  
KARADAĞ D., KOROĞLU O. E., ÖZKAYA B., ÇAKMAKCI M., Heaven S., Banks C., Serna-Maza A.  
INTERNATIONAL JOURNAL OF DAIRY TECHNOLOGY, vol.68, no.4, pp.459-470, 2015 (SCI-Expanded)
13. **Recent developments in the anaerobic digestion of olive mill effluents**  
Gunay A., Gunay A., KARADAĞ D.  
PROCESS BIOCHEMISTRY, vol.50, no.11, pp.1893-1903, 2015 (SCI-Expanded)
14. **TREATMENT OF COMPOST LEACHATE BY MEMBRANE PROCESSES**  
OZYAKA V. S., ÇAKMAKCI M., Yaman F. B., ÖZKAYA B., KARADAĞ D.  
ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, vol.14, no.9, pp.2237-2241, 2015 (SCI-Expanded)
15. **Anaerobic treatment of ozonated membrane concentrate**  
Yaman F. B., Çakmakcı M., Ozkaya B., Karadağ D., Yetilmezsoy K., Dora B., Celebi V.  
DESALINATION AND WATER TREATMENT, vol.54, pp.2075-2081, 2015 (SCI-Expanded)
16. **A review on anaerobic biofilm reactors for the treatment of dairy industry wastewater**  
KARADAĞ D., KOROĞLU O. E., ÖZKAYA B., ÇAKMAKCI M.  
PROCESS BIOCHEMISTRY, vol.50, no.2, pp.262-271, 2015 (SCI-Expanded)
17. **A review on fermentative hydrogen production from dairy industry wastewater**  
KARADAĞ D., Koroglu O. E., ÖZKAYA B., ÇAKMAKCI M., Heaven S., Banks C.  
JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY, vol.89, no.11, pp.1627-1636, 2014 (SCI-Expanded)
18. **Change of surface and structure properties of cation exchange membrane in a microbial fuel cell**  
ÖZKAYA B., DENKTAŞ C., ÇETİNKAYA A. Y., ÇAKMAKCI M., KARADAĞ D., ŞAHİNKAYA E.  
INTERNATIONAL JOURNAL OF GLOBAL WARMING, vol.6, pp.222-233, 2014 (SCI-Expanded)
19. **Electricity generation from young landfill leachate in a microbial fuel cell with a new electrode**

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Ozkaya B., Cetinkaya A. Y., ÇAKMAKCI M., KARADAĞ D., ŞAHİNKAYA E.

BIOPROCESS AND BIOSYSTEMS ENGINEERING, vol.36, no.4, pp.399-405, 2013 (SCI-Expanded)

20. **Profiling of bacterial community in a full-scale aerobic composting plant**  
Karadağ D., Özkaya B., Olmez E., Nissila M. E., Çakmakçı M., Yildiz S., Puhakka J. A.  
INTERNATIONAL BIODETERIORATION & BIODEGRADATION, vol.77, pp.85-90, 2013 (SCI-Expanded)
21. **Comparison of mesophilic and thermophilic anaerobic hydrogen production by hot spring enrichment culture**  
Puhakka J. A., KARADAĞ D., Nissila M. E.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.37, no.21, pp.16453-16459, 2012 (SCI-Expanded)
22. **Bioelectricity production using a new electrode in a microbial fuel cell**  
Ozkaya B., Akoglu B., KARADAĞ D., Aci G., Taskan E., Hasar H.  
BIOPROCESS AND BIOSYSTEMS ENGINEERING, vol.35, no.7, pp.1219-1227, 2012 (SCI-Expanded)
23. **Anaerobic H<sub>2</sub> production at elevated temperature (60 degrees C) by enriched mixed consortia from mesophilic sources**  
KARADAĞ D.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.36, no.1, pp.458-465, 2011 (SCI-Expanded)
24. **Effect of changing temperature on anaerobic hydrogen production and microbial community composition in an open-mixed culture bioreactor**  
KARADAĞ D., Puhakka J. A.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.35, no.20, pp.10954-10959, 2010 (SCI-Expanded)
25. **Direction of glucose fermentation towards hydrogen or ethanol production through on-line pH control**  
KARADAĞ D., Puhakka J. A.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.35, no.19, pp.10245-10251, 2010 (SCI-Expanded)
26. **Enhancement of anaerobic hydrogen production by iron and nickel**  
KARADAĞ D., Puhakka J. A.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.35, no.16, pp.8554-8560, 2010 (SCI-Expanded)
27. **Post-Treatment of Anaerobically Treated Medium-Age Landfill Leachate**  
AKKAYA E., DEMİR A., KARADAĞ D., VARANK G., BİLGİLİ M. S., ÖZKAYA B.  
ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY, vol.29, no.1, pp.78-84, 2010 (SCI-Expanded)
28. **Thermophilic biohydrogen production by an anaerobic heat treated-hot spring culture**  
KARADAĞ D., Makinen A., Efimova E., Puhakka J. A.  
BIORESOURCETECHNOLOGY, vol.100, no.23, pp.5790-5795, 2009 (SCI-Expanded)
29. **Ammonium Removal from Municipal Landfill Leachate by Clinoptilolite Bed Columns: Breakthrough Modeling and Error Analysis**  
KARADAĞ D., AKKAYA E., DEMİR A., SARAL A., Turan M., ÖZTÜRK M.  
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, vol.47, no.23, pp.9552-9557, 2008 (SCI-Expanded)
30. **Combining Anaerobic Degradation and Chemical Precipitation for the Treatment of High Strength, Strong Nitrogenous Landfill Leachate**  
Gunay A., KARADAĞ D., Tosun İ., Öztürk M.  
CLEAN-SOIL AIR WATER, vol.36, pp.887-892, 2008 (SCI-Expanded)
31. **Use of magnesit as a magnesium source for ammonium removal from leachate**  
Gunay A., KARADAĞ D., Tosun İ., Öztürk M.  
JOURNAL OF HAZARDOUS MATERIALS, vol.156, pp.619-623, 2008 (SCI-Expanded)
32. **Ammonium removal from sanitary landfill leachate using natural Gordes clinoptilolite**  
KARADAĞ D., TOK S., AKGUL E., Turan M., Ozturk M., DEMİR A.  
JOURNAL OF HAZARDOUS MATERIALS, vol.153, pp.60-66, 2008 (SCI-Expanded)
33. **Basic and reactive dye removal using natural and modified zeolites**  
Karadağ D., Akgul E., Tok S., Ertürk F., Kaya M. A., Turan M.  
JOURNAL OF CHEMICAL AND ENGINEERING DATA, vol.52, no.6, pp.2436-2441, 2007 (SCI-Expanded)

34. **Adsorption equilibrium and kinetics of reactive black 5 and reactive red 239 in aqueous solution onto surfactant-modified zeolite**  
KARADAĞ D., Turan M., Akgül E., Tok S., Fakı A.  
JOURNAL OF CHEMICAL AND ENGINEERING DATA, vol.52, no.5, pp.1615-1620, 2007 (SCI-Expanded)
35. **A comparative study of linear and non-linear regression analysis for ammonium exchange by clinoptilolite zeolite**  
KARADAĞ D., Koç Y., Turan M., Öztürk M.  
JOURNAL OF HAZARDOUS MATERIALS, vol.144, pp.432-437, 2007 (SCI-Expanded)
36. **Modeling the mechanism, equilibrium and kinetics for the adsorption of Acid Orange 8 onto surfactant-modified clinoptilolite: The application of nonlinear regression analysis**  
KARADAĞ D.  
DYES AND PIGMENTS, vol.74, no.3, pp.659-664, 2007 (SCI-Expanded)
37. **Removal of ammonium ion from aqueous solution using natural Turkish clinoptilolite**  
KARADAĞ D., Koc Y., Turan M., Armagan B.  
JOURNAL OF HAZARDOUS MATERIALS, vol.136, no.3, pp.604-609, 2006 (SCI-Expanded)
38. **Combining adsorption and coagulation for the treatment of azo and anthraquinone dyes from aqueous solution**  
Karadağ D., TOK S., AKGUL E., Ulucan K., EVDEN H., KAYA M. A.  
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, vol.45, no.11, pp.3969-3973, 2006 (SCI-Expanded)
39. **Report: Cost and financing of municipal solid waste collection services in Istanbul**  
Karadağ D., Şakar S.  
Waste Management & Research, vol.21, no.5, pp.480-485, 2003 (SCI-Expanded)

#### Articles Published in Other Journals

1. **Performance of Chitosan/Carbon Nanotube-Coated Ultrafiltration Membranes for Natural Organic Matter Removal from Drinking Water**  
ZENGİN İ. H., ÇAKMAKCI M., BÜYÜKBÜBEROĞLU F. B. Y., KARADAĞ D., DENKTAŞ C., AVCIATA O., ÇETİNKAYA A. Y.  
JOURNAL OF ANATOLIAN ENVIRONMENTAL AND ANIMAL SCIENCES, vol.9, no.2, pp.257-268, 2024 (Peer-Reviewed Journal)
2. **TREATABILITY OF MUNICIPAL WASTEWATER WITH DIRECT CONTACT MEMBRANE DISTILLATION**  
Zoungrana A., Zengin İ. H., KARADAĞ D., ÇAKMAKCI M.  
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.8, no.3, pp.245-254, 2017 (ESCI)
3. **Effect of Ozonation on Anaerobic Organic Removal from Membrane Concentrate**  
ÇAKMAKCI M., ÖZKAYA B., YAMAN F. B., KARADAĞ D., billur d., vesile ç.  
Journal of Clean Energy Technologies, vol.1, pp.124-126, 2013 (Peer-Reviewed Journal)

#### Books

1. **Toplama**  
KARADAĞ D., Demir A., Filibeli A., Çallı B., Özkaya B., Akkaya E., Varank G., Engin G.  
in: Katı atık yönetimi ve teknolojileri, Demir A., Akça L, Editor, Nobel Yayın Dağıtım, İstanbul, pp.253-296, 2017
2. **İyon Değiştirme**  
KARADAĞ D., saatçı a. m., aydın a. f., filibeli a., Muhammetoğlu A., Ayol A., Kınacı C., Soyer E., DEBİK E., koyuncu i., et al.  
in: Su ve Atıksu Mühendisliği - Water and Wastewater Engineering, Toröz İ., Editor, Nobel Akademik Yayıncılık Eğitim Danışmanlık Tic. Ltd. Şti., İstanbul, pp.200-250, 2015

## Papers Published in Refereed Scientific Meetings

1. **Yıldız Teknik Üniversitesi İnşaat Fakültesi 2017-2020 Eylem Planı Çalışması**  
Gülal V. E., Erdölen A., Karadağ D.  
4. İnşaat Mühendisliği Eğitimi Sempozyumu, İzmir, Turkey, 17 - 18 November 2017, pp.108-120
2. **The influence of water salt content on desalintion performance**  
Zoungrana A., Zengin İ. H., Çakmakçı M., Karadağ D.  
The 50 th anniversary of Engineering in Elazığ International Conference On Advances and Innovations in Engineering , Elazığ, Turkey, 10 - 12 May 2017, pp.168
3. **Effect of Surface Coating on Drinking Water Production Performance of UF Membrane**  
Ismail H. Z., Yaman F. B., Denктаş C., Karadağ D., Çakmakçı M.  
INTERNATIONAL SYMPOSIUM OF WATER AND WASTEWATER MANAGEMENT, Malatya, Turkey, 26 - 28 October 2016, pp.65-71
4. **Treatability of Municipal Wastewater With Membrane Distillation**  
Ali Z., İsmail H. Z., Karadağ D., Çakmakçı M.  
INTERNATIONAL SYMPOSIUM OF WATER AND WASTEWATER MANAGEMENT, Malatya, Turkey, 26 - 28 October 2016, pp.459-466
5. **Effect of Surface Coating on Drinking Water Production Performance of UF Membrane**  
zengin i., YAMAN F. B., DENKDAŞ C., KARADAĞ D., ÇAKMAKCI M.  
International Symposium of Water and Wastewater Management, 26 - 28 October 2016
6. **İçme Sularındaki Arseniğin Düşük Basınla İşletilen Membranlarla Giderimi.**  
Elçik H., Çakmakçı M., Şahinkaya E., Özkaya B., Karadağ D.  
3. Ulusal Membran Teknolojileri ve Uygulamaları Sempozyumu, Elazığ, Turkey, 26 - 27 September 2013, pp.87-88
7. **Membrane modification and coated ultrafiltration membranes surface characterisation**  
Yaman F. B., Zengin İ. H., Çakmakçı M., Özkaya B., Denктаş C., Avciata O., Karadağ D.  
5 th international congress on energy and environment engineering and management, Lisbon, Portugal, 17 - 19 July 2013, pp.123
8. **Microbiology and optimization of operational parameters of dark fermentative H<sub>2</sub> and bioelectricity production**  
Karadağ D., Makinen A., Nissila M., Lay C., Emifova E., Kaksonen A., Puhakka J. A.  
11 th Finnish Conference of Environmental Studies, Tampere, Finland, 2 - 03 May 2013, pp.115-118
9. **Optimization of As(III) oxidation and co-precipitation with ferrous iron for drinking water treatment**  
Elçik H., Çakmakçı M., Şahinkaya E., Özkaya B., Karadağ D.  
1st EWaS-MED International Conference , Thessaloniki, Greece, 11 - 13 April 2013, pp.1-9
10. **Optimization of As III oxidation and co precipitation with ferrous iron for drinking water treatment**  
ELCİK H., ÇAKMAKCI M., ÖZKAYA B., KARADAĞ D.  
1stEWaS-MED International Conference: Improving Efficiency of Water Systems in a Changing natural and financial Environment, Thessaloniki, Greece, 11 - 13 April 2013
11. **Anaerobic treatment with pre ozonated membrane concentrate**  
YAMAN F. B., ÇAKMAKCI M., ÖZKAYA B., KARADAĞ D., BİLLUR D., VESİLE Ç.  
1stEWaS-MED International Conference: Improving Efficiency of Water Systems in a Changing natural and financial Environment, Thessaloniki, Greece, 11 April 2013
12. **The Change of Surface and Structure Properties of Cation Exchange Membrane in a Microbial Fuel Cell**  
ÇETİNKAYA A., DENKTAŞ C., ÖZKAYA B., ÇAKMAKCI M., KARADAĞ D., ŞAHİNKAYA E.  
International Conference On Recycling and Reuse 2012, Turkey, 5 - 07 June 2012
13. **The Change Of Surface And Structure Properties Of Cation Exchange Membrane In A Microbial Fuel Cell**  
Çetinkaya A. Y., Denктаş C., Özkaya B., Çakmakçı M., Şahinkaya E., Karadağ D.  
International Conference On Recycling And Reuse , İstanbul, Turkey, 4 - 06 June 2012, pp.56
14. **Biochemical methane potential of membrane concentrates: A case study of textile wastewaters**

- Aydın M., Yaman F. B., Elcik H., Karadağ D., Çakmakçı M., Özkaya B.  
International Conference on Recycling and Reuse, İstanbul, Turkey, 4 - 06 June 2012, pp.55-56
15. **Treatment Of Compost Leachate With Combined Membrane Processes: A Case Of Istanbul**  
Özkaya V. Ş., Çakmakçı M., Özkaya B., Karadağ D.  
International Conference On Recycling And Reuse, İstanbul, Turkey, 4 - 06 June 2012, pp.183
16. **Biochemical Methane Potential Of Membrane Concentrates: A Case Study Of Textile Wastewaters**  
AYDIN M. İ., ELCİK H., YAMAN F. B., KARADAĞ D., ÇAKMAKCI M., ÖZKAYA B.  
International Conference on Recycling and Reuse, İstanbul, Turkey, 4 - 06 June 2012
17. **Biochemical Methane Potential Of Membrane Concentrates A Case Study Of Textile Wastewaters**  
AYDIN M. İ., YAMAN F. B., ELCİK H., KARADAĞ D., ÇAKMAKCI M., ÖZKAYA B.  
International Conference on Recycling and Reuse, R&R 2012, Turkey, 1 - 04 June 2012
18. **Sulfate Removal From Textile Wastewater And Biochemical Methane Potential Of Treated Wastewater**  
Aydın M., Elcik H., Yaman F. B., Karadağ D., Çakmakçı M., Özkaya B.  
International Conference On Recycling And Reuse, İstanbul, Turkey, 4 - 06 June 2012, pp.268
19. **Sulfate Removal from Textile Wastewaters and Biochemical Methane Potential of Treated Wastewater**  
AYDIN M. İ., ELCİK H., YAMAN F. B., KARADAĞ D., ÇAKMAKCI M., ÖZKAYA B.  
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## Academic and Administrative Experience

2019 - Continues	<b>Assistant Manager of Research and Application Center</b>	Yildiz Technical University, Faculty of Civil Engineering, Department of Environmental Engineering
2016 - Continues	<b>Vice Dean</b>	Yildiz Technical University, Faculty of Civil Engineering



## Supervised Theses

KARADAĞ D., Tekstil Atıksularının Nanofiltrasyon Membranı İle Arıtımı Sonucu Oluşan Konsantrenin Anaerobik Arıtılabilirliği Ve Moleküler Ağırlık Dağılımının İncelenmesi, Postgraduate, H.Türkay(Student), 2016

KARADAĞ D., İstanbul Büyükşehir Belediyesi Kemerburgaz Geri Kazanım Ve Kompost Tesisinin Fermantasyon Alanlarında Bakteri Profilinin Belirlenmesi, Postgraduate, V.Esra(Student), 2013

## Activities in Scientific Journals

Sigma Journal of Engineering and Natural Sciences, Assistant Editor/Section Editor, 2016 - Continues

## Metrics

Publication: 84

Citation (WoS): 1449

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## Research Areas

Environmental Engineering, Environmental Technology, Solid Waste Engineering and Management, Water Pollution and Control, Water Supply and Treatment