

# DOĞAN KARADAĞ

## PROF.

Office Phone : [+90 383 538 4](tel:+903835384)

Fax Phone : [+90 383 535 8](tel:+903835358)

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

### Learning Knowledge

---

Doctorate 2003 - 2007	Yıldız Teknik Üniversitesi, Fen Bilimleri, Çevre Mühendisliği, Turkey
--------------------------	---

---

Postgraduate 1999 - 2003	Yıldız Teknik Üniversitesi, Fen Bilimleri, Çevre Mühendisliği, Turkey
-----------------------------	---

---

Undergraduate 1994 - 1999	İstanbul Teknik Üniversitesi, İnşaat, Çevre Mühendisliği, Turkey
------------------------------	--

### Foreign Languages

English, B2 Upper Intermediate

### Academic Titles / Tasks

---

Professor 2019 - Continues	Yıldız Technical University, Faculty of Construction, Department of Environmental Engineering
-------------------------------	---

---

Associate Professor 2013 - 2019	Yıldız Technical University, Faculty of Construction, Çevre Mühendisliği
------------------------------------	--

---

Assistant Professor 2010 - 2013	Yıldız Teknik Üniversitesi, İnşaat Fakültesi, Çevre Mühendisliği
------------------------------------	--

---

Research Assistant 2000 - 2013	Yıldız Teknik Üniversitesi, İnşaat Fakültesi, Çevre Mühendisliği
-----------------------------------	--

### Supported Projects

- ÇAKMAKCI M., ZENGİN İ. H. , ELCİK H., zoungrana a., KARADAĞ D., ARSLANKAYA E., Project Supported by Higher Education Institutions, MEMBRAN DİSTİLASYONU PROSESİ İLE AMONYUM GERİ KAZANIMI, 2017 - 2020
- Çakmakçı M., Karadağ D., Technopark, Yeraltı su kaynaklarının su kalitesinin değerlendirilmesi ve uygun arıtma teknolojilerinin belirlenmesi , 2017 - 2018
- 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. Nuhoglu 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., Avciata 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 Evsel 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., Makinen A., Nissila M., Karadağ D., Other Supported Projects, Renewable production of H2 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

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

1. **Wastewater Treatment by Anaerobic Fluidized Membrane Bioreactor**  
Karadağ D.  
POLISH JOURNAL OF ENVIRONMENTAL STUDIES, vol.28, pp.3551-3568, 2019 (Journal Indexed in SCI)
2. **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 (Journal Indexed in SCI)
3. **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 (Journal Indexed in SCI)
4. **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 (Journal Indexed in SCI Expanded)
5. **Molecular weight distributions in cotton-dyeing textile wastewaters**  
YAMAN F. B. , ÇAKMAKCI M., KARADAĞ D., OZKAYA B., BALI V., DORA B.  
DESALINATION AND WATER TREATMENT, vol.57, no.27, pp.12684-12691, 2016 (Journal Indexed in SCI)
6. **COMPARISON OF TREATMENT EFFICIENCY AND MOLECULAR WEIGHT DISTRIBUTION OF MEMBRANE**

## CONCENTRATE FROM TEXTILE WASTEWATER

Yaman F. B. , Çakmakçı M., Karadağ D., Yetilmezsoy K., Özkaya B., Turkay H., Genc T.  
GLOBAL NEST JOURNAL, vol.18, pp.348-359, 2016 (Journal Indexed in SCI)

7. **Arsenic removal from drinking water by direct contact membrane distillation**  
ZOUNGRANA A., ZENGIN I. H. , Elcik H., YESILIRMAK D., KARADAĞ D., ÇAKMAKCI M.  
MEMBRANE WATER TREATMENT, vol.7, no.3, pp.241-255, 2016 (Journal Indexed in SCI)
8. **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 (Journal Indexed in SCI)
9. **EFFECT OF PRE-OZONATION ON ANAEROBIC TREATABILITY OF MEMBRANE CONCENTRATE**  
Çakmakçı M., Yaman F. B. , Yetilmezsoy K., Karadağ D., Ozkaya B., Turkay H., Genc T.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.25, pp.1206-1220, 2016 (Journal Indexed in SCI)
10. **Anaerobic granular reactors for the treatment of dairy wastewater: A review**  
KARADAĞ D., KOROGLU 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 (Journal Indexed in SCI)
11. **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 (Journal Indexed in SCI)
12. **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 (Journal Indexed in SCI)
13. **Anaerobic treatment of ozonated membrane concentrate**  
Yaman F. B. , Çakmakçı M., Ozkaya B., Karadağ D., Yetilmezsoy K., Dora B., Celebi V.  
DESALINATION AND WATER TREATMENT, vol.54, pp.2075-2081, 2015 (Journal Indexed in SCI)
14. **A review on anaerobic biofilm reactors for the treatment of dairy industry wastewater**  
KARADAĞ D., KOROGLU O. E. , ÖZKAYA B., ÇAKMAKCI M.  
PROCESS BIOCHEMISTRY, vol.50, no.2, pp.262-271, 2015 (Journal Indexed in SCI)
15. **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 (Journal Indexed in SCI)
16. **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 (Journal Indexed in SCI)
17. **Electricity generation from young landfill leachate in a microbial fuel cell with a new electrode material**  
Ozkaya B., Cetinkaya A. Y. , ÇAKMAKCI M., KARADAĞ D., ŞAHİNKAYA E.  
BIOPROCESS AND BIOSYSTEMS ENGINEERING, vol.36, no.4, pp.399-405, 2013 (Journal Indexed in SCI)
18. **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 (Journal Indexed in SCI)
19. **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 (Journal Indexed in SCI)
20. **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 (Journal Indexed in SCI)
21. **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 (Journal Indexed in SCI)

22. **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 (Journal Indexed in SCI)
23. **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 (Journal Indexed in SCI)
24. **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 (Journal Indexed in SCI)
25. **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 (Journal Indexed in SCI)
26. **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 (Journal Indexed in SCI)
27. **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 (Journal Indexed in SCI)
28. **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 (Journal Indexed in SCI)
29. **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 (Journal Indexed in SCI)
30. **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 (Journal Indexed in SCI)
31. **Basic and reactive dye removal using natural and modified zeolites**  
Karadag 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 (Journal Indexed in SCI)
32. **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 (Journal Indexed in SCI)
33. **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 (Journal Indexed in SCI)
34. **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 (Journal Indexed in SCI)
35. **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 (Journal Indexed in SCI)
36. **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 (Journal Indexed in SCI)
37. **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 (Journal Indexed in SCI Expanded)

### Articles Published in Other Journals

1. **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 (Journal Indexed in ESCI)
2. **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 (Refereed Journals of Other Institutions)

### Books & Book Chapters

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

### Refereed Congress / Symposium Publications in Proceedings

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 desalination 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. **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
4. **Effect of Surface Coating on Drinking Water Production Performance of UF Membrane**  
İsmail 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
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., Avcıata 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. **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
14. **Biochemical methane potential of membrane concentrates: A case study of textile wastewaters**  
Aydın M., Yaman F. B. , Elcik H., Karadağ D., Çakmakçı M., Ozkaya B.  
International Conference on Recycling and Reuse, İstanbul, Turkey, 4 - 06 June 2012, pp.55-56
15. **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
16. **Sulfate Removal From Textile Wastewater And Biochemical Methane Potential Of Treated Wastewater**  
Aydın M., Elçik H., Yaman F. B. , Karadağ D., Çakmakçı M., Özkaya B.  
International Conference On Recycling And Reuse, İstanbul, Turkey, 4 - 06 June 2012, pp.268
17. **Yeni Geliştirilen Çapraz Akışlı Çoklu Tüp Mikrobiyal Yakıt Hücresi İle Evsel Atıksu Akımından Elektrik Enerjisi Üretimi**  
ÖZKAYA B., ÇETİNKAYA A. Y. , KÖROĞLU E. O. , ÇAKMAKÇI M., KARADAĞ D.  
YTÜ İLAR-GE PROJE PAZARI-ENERJİ VE ÇEVRE TEKNOLOJİLERİ, Turkey, 14 May 2012
18. **Kompost ve Geri Kazanım Tesisi Sızıntı Sularının Membran Proseslerle Arıtımı İstanbul Örneği**  
ÖZKAYA V., YAMAN F. B. , ÇAKMAKCI M., ÖZKAYA B., KARADAĞ D.  
2. Ulusal Membran Teknolojileri ve Uygulamaları Sempozyumu, Turkey, 2 - 04 November 2011
19. **Mikrobiyal Yakıt Hücrelerinde Kullanılan Membranların Mikro Yapısındaki Değişimler**  
ÖZKAYA B., DENKTAŞ C., ÇETİNKAYA A., ÇAKMAKCI M., KARADAĞ D.

2. Ulusal Membran Teknolojileri ve Uygulamaları Sempozyumu, Turkey, 2 - 04 November 2011
20. **Genç sızıntı suyunun membran proseslerle arıtılabilirliği**  
ACI G., ÇAKMAKCI M., ÖZKAYA B., KARADAĞ D.  
2. Ulusal Membran Teknolojileri ve Uygulamaları Sempozyumu, Turkey, 2 - 04 November 2011
21. **Kompost Ve Geri Kazanım Tesisi Sızıntı Sularının Membrane Proseslerle Arıtımı:İstanbul Örneği**  
Özyaka V. Ş. , Yaman F., Çakmakçı M., Özkaya B., Karadağ D.  
2. Membran teknolojileri ve uygulamaları , İstanbul, Turkey, 2 - 03 November 2011, pp.165-167
22. **Genç Sızıntı Suyunun Membran Proseslerle Arıtılabilirliği**  
Acı G., Çakmakçı M., Özkaya B., Karadağ D.  
2. Membran Teknolojileri ve Uygulamaları Sempozyumu, İstanbul, Turkey, 2 - 03 November 2011, pp.99-101
23. **Comparing TiO2 Coated Titanium and Graphite Electrodes for Electricity Generation in two Chamber Microbial Fuel Cell**  
AKOĞLU B., ACI G., ÇETİNKAYA A., ÖZKAYA B., KARADAĞ D., ÇAKMAKCI M.  
2011 Fuel Cell Seminar & Exposition, Florida, United States Of America, 31 October - 02 November 2011
24. **Comparison of Mesophilic and Thermophilic Anaerobic Hydrogen Production by Hot Spring Enrichment Culture**  
Puhakka J. A. , Karadağ D., Nissila M. E.  
International Conference on Hydrogen Production, Thessaloniki, Greece, 19 - 22 June 2011, pp.1-12
25. **Comparison Of Energy Yields In Sequential Anaerobic Production Of H2 And Electricity Or H2 And CH4**  
Nissila M. E. , Karadağ D., Puhakka J. A.  
International Conference on Hydrogen Production ICH2P-11, June 19-22, 2011,, Thessaloniki, Greece, 19 - 22 June 2011, pp.1-10
26. **Bioelectrochemical Kinetics For Microbial Fuel Cell**  
Acı G., Akoğlu B., Özkaya B., Çakmakçı M., Karadağ D.  
3rd Microbial Fuel Cell Conference, Leeuwarden, Netherlands, 6 - 08 June 2011, pp.85
27. **Bioelectrochemical Kinetics for Microbial Fuel Cell**  
ACI G., AKOĞLU B., ÖZKAYA B., KARADAĞ D., ÇAKMAKCI M.  
3rd International Microbial Fuel Cell Conference 2011, Netherlands, 06 June 2011
28. **The effect of temperature on microbial community and metabolic pathway in anaerobic hydrogen production**  
Karadağ D., Puhakka J. A.  
APEC Advanced Biohydrogen Technology Conference with Short Term Training Course (15-20 November 2010), Changhwa, Taiwan, 15 - 20 November 2010, pp.320-324
29. **Electricity Generation in MFC Using Selective Membrane**  
Özkaya B., Karadağ D., Akoglu B., Acı G., Taşkan E., Hasar H.  
IWA Regional Conference and Exhibition on Membrane Technology & Water Reuse /(18-22 October 2010), İstanbul, Turkey, 18 - 22 October 2010, pp.1222-1227
30. **Electricity Generation in MFC Using Selective Membrane**  
ÖZKAYA B., KARADAĞ D., AKOĞLU B., ACI G., TAŞKAN E., HASAR H.  
IWA Regional Conference and Exhibition, Turkey, 18 - 20 October 2010
31. **Administrative, management and economical evaluation of municipal solid waste collection services and recycling activities in İstanbul metropolitan**  
Karadağ D., Sakar S., Bayhan H.  
International Conference on Environment: Survival and Sustainability, Lefkoşa, Cyprus (Kktc), 19 - 24 February 2007, pp.1463-1471
32. **Farklı Reaktif Boyaların Zeolitle Adsorpsiyonunda Kinetik ve Termodinamik Özelliklerin İncelenmesi**  
Armağan B., Turan M., Faki A., Karadağ D.  
10. Endüstriyel Kirlenme Kontrolü Sempozyumu, İstanbul, Turkey, 7 - 09 June 2006, pp.407-416
33. **Sabit Yataklı Zeolit Kolonda Gerçek Atıksulardan Renk Giderilmesi**  
Özdemir O., Turan M., Çelik M., Karadağ D., Faki A.

10. Endüstriyel Kirlenme Kontrolü Sempozyumu, İstanbul, Turkey, 7 - 09 June 2006, pp.191-199
34. **Tekstil endüstrisinde kullanılan reaktif boyaların sulu çözeltilerden adsorpsiyonla giderimi**  
Karadağ D., Turan M., Armağan B.  
GAP V. Mühendislik Kongresi , Şanlıurfa, Turkey, 26 - 28 April 2006, pp.1398-1405
35. **Economics of Municipal Solid Waste Services In İstanbul**  
Karadağ D., Şakar S.  
International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region,, Antalya, Turkey, 04 October 2003, pp.131
36. **Mühendislik eğitim fonksiyonu yönünden İstanbul'daki Çevre Mühendisliği eğitimi veren üniversiteler**  
Karadağ D., Goncaloğlu B. İ.  
4. Ulusal Çevre Mühendisliği Kongresi, Mersin, Turkey, 7 - 10 November 2001, pp.202-211
37. **İstanbul Katı Atık Yönetiminde Aktarma İstasyonlarının Rolü Ve İşletilmesi**  
Goncaloğlu B. İ. , Karadağ D., Sarı H.  
2000'li Yıllarda Şehir ve Sanayide Atıklar ve Arıtımı, İstanbul, Turkey, 17 - 20 May 2001, pp.127-135

## Academic and Administrative Experience

---

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

---

## Advising 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 Profiline Belirlenmesi, Postgraduate, V.Esra(Student), 2013

## Activities in Scientific Journals

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

## Citations

Total Citations (WOS):1324

h-index (WOS):18

## Research Areas

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