

# **Prof. Özlem Karahan Özgün**

## **Personal Information**

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## **International Researcher IDs**

ORCID: 0000-0001-5339-9172

Publons / Web Of Science ResearcherID: M-6020-2015

ScopusID: 57199995023

Yoksis Researcher ID: 151663

## **Education Information**

Doctorate, İstanbul Technical University, İnşaat Fakültesi, Çevre Mühendisliği Bölümü, Turkey 1997 - 2005

Postgraduate, İstanbul Technical University, İnşaat Fakültesi, Çevre Mühendisliği Bölümü, Turkey 1995 - 1997

Undergraduate, Bogazici University, Faculty Of Engineering, Department Of Chemistry Engineering, Turkey 1989 - 1995

## **Foreign Languages**

English

## **Dissertations**

Doctorate, Substrate storage phenomena in the modeling of activated sludge systems, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Çevre Mühendisliği Anabilim Dalı, 2005

Postgraduate, The assesment of initial inert particulate COD in wasterwaters, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Çevre Mühendisliği Anabilim Dalı, 1997

## **Research Areas**

Environmental Engineering, Environmental Sciences, Environmental Chemistry, Environmental Technology, Waste Water Collection and Treatment, Environmental Impact Assessment, Environmental Modeling, Environmental Management, Industrial and Hazardous Waste Management, Water Pollution and Control, Hazardous Waste Management, Engineering and Technology

## **Academic Titles / Tasks**

Associate Professor, İstanbul Technical University, İnşaat, Çevre Mühendisliği, 2011 - Continues

Assistant Professor, İstanbul Technical University, İnşaat, Çevre Mühendisliği, 2006 - 2011

Research Assistant, İstanbul Technical University, İnşaat, Çevre Mühendisliği, 1998 - 2006

## **Academic and Administrative Experience**

Experimental and Clinical Research Center Deputy Director, Istanbul Technical University, İnşaat, Çevre Mühendisliği,  
2004 - 2010

Deputy Head of Department, Istanbul Technical University, İnşaat, Çevre Mühendisliği, 2007 - 2009

## **Courses**

Introducion to Environmental Problems, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013

Graduation Design Project, Undergraduate, 2016 - 2017

Technical Drawing (CAD) , Undergraduate, 2016 - 2017

Tehlikeli Atıkların Yönetimi, Undergraduate, 2016 - 2017, 2015 - 2016

Hazardous Waste Management, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015

Bitirme Tasarım Projesi, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013

Bsc Prcpl in Adv Wstwtr Trtmnt , Undergraduate, 2012 - 2013

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

- I. **Removal of endocrine-disrupting chemicals from textile industry effluents by nanofiltration**  
Emek A. D. A., Yilmazer C. E., Cinar S., Kiraz O., Paşaoğlu M. E., Tasdemir R. S., Ozgun Ö., Koyuncu İ., Citil E., Orhon A. K., et al.  
DESALINATION AND WATER TREATMENT, vol.211, pp.411-421, 2021 (SCI-Expanded)
- II. **Performance of ozone and peroxone on the removal of endocrine disrupting chemicals (EDCs) coupled with cost analysis**  
Ölmez Hancı T., Dogruel S., Emek A. D. A., Yilmazer C. E., Cinar S., Kiraz O., Citil E., Orhon A. K., Siltu E., Gucver S. M., et al.  
WATER SCIENCE AND TECHNOLOGY, vol.82, pp.640-650, 2020 (SCI-Expanded)
- III. **Life cycle assessment as a decision support tool in wastewater treatment plant design with renewable energy utilization**  
Başkurt M., Kocababuç I., Binici E., Dulekgurgen E., Ozgun O. K., Taşlı R.  
DESALINATION AND WATER TREATMENT, vol.93, pp.229-238, 2017 (SCI-Expanded)
- IV. **Prioritization methodology of dangerous substances for water quality monitoring with scarce data**  
Ozgun O. K., BASAK B., EROPAK C., ABAT S., KIRIM G., GIRGIN E., HANEDAR A., Gunes E., CITIL E., Gorgun E., et al.  
CLEAN TECHNOLOGIES AND ENVIRONMENTAL POLICY, vol.19, no.1, pp.105-122, 2017 (SCI-Expanded)
- V. **Characteristics and biodegradability of olive mill wastewaters**  
Karahan Ozgun O., OZKOK I. P., KUTAY C., ORHON D.  
ENVIRONMENTAL TECHNOLOGY, vol.37, no.10, pp.1240-1248, 2016 (SCI-Expanded)
- VI. **Is the naphthalene sulfonate H-acid biodegradable in mixed microbial cultures under aerobic conditions?**  
Olmez-Hancı T., Arslan-Alaton I., ORHON D., Karahan Ö., Çokgör E., Insel G.  
BIORESOURCE TECHNOLOGY, vol.102, no.10, pp.5589-5595, 2011 (SCI-Expanded)
- VII. **Estimation of hazardous waste factors**  
Karahan Ö., Taslı R., Dulekgurgen E., Gorgun E.  
DESALINATION AND WATER TREATMENT, vol.26, pp.79-86, 2011 (SCI-Expanded)
- VIII. **Effect of polymeric substrate on sludge settleability**  
Martins A. M. P., KARAHAN O., VAN LOOSDRECHT M. C. M.  
WATER RESEARCH, vol.45, no.1, pp.263-273, 2011 (SCI-Expanded)
- IX. **Fate of 2,6-dihydroxybenzoic acid and its inhibitory impact on the biodegradation of peptone under**

**aerobic conditions**

Orhon D., Cokgor E., KATIPOGLU T., INSEL G., KARAHAN Ö.

BIORESOURCE TECHNOLOGY, vol.101, no.8, pp.2665-2671, 2010 (SCI-Expanded)

- X. Inhibition effect of linear alkylbenzene sulphonates on the biodegradation mechanisms of activated sludge

Karahan O.

BIORESOURCE TECHNOLOGY, vol.101, no.1, pp.92-97, 2010 (SCI-Expanded)

- XI. Validity of Monod kinetics at different sludge ages - Peptone biodegradation under aerobic conditions

Orhon D., Cokgor E., INSEL G., KARAHAN Ö., KATIPOGLU T.

BIORESOURCE TECHNOLOGY, vol.100, no.23, pp.5678-5686, 2009 (SCI-Expanded)

- XII. Storage phenomena in relation to carbon sources for denitrification

Güven D., KARAHAN Ö., Büyükgünör H., Sözen S.

DESALINATION AND WATER TREATMENT, vol.8, pp.171-176, 2009 (SCI-Expanded)

- XIII. Biodegradability and Denitrification Potential of Settleable Chemical Oxygen Demand in Domestic Wastewater

Tas D., KARAHAN Ö., Insel G., OVEZ S., ORHON D., SPANJERS H.

WATER ENVIRONMENT RESEARCH, vol.81, no.7, pp.715-727, 2009 (SCI-Expanded)

- XIV. Effect of high nitrate concentration on PHB storage in sequencing batch reactor under anoxic conditions

Ciggin A. S., KARAHAN O., ORHON D.

BIORESOURCE TECHNOLOGY, vol.100, no.3, pp.1376-1382, 2009 (SCI-Expanded)

- XV. The effect of mixing pharmaceutical and tannery wastewaters on the biodegradation characteristics of the effluents

Cokgor E., KARAHAN Ö., ORHON D.

JOURNAL OF HAZARDOUS MATERIALS, vol.156, pp.292-299, 2008 (SCI-Expanded)

- XVI. Simulating activated sludge system by simple-to-advanced models

Orhon D., Karahan Ö., Insel G.

JOURNAL OF ENVIRONMENTAL ENGINEERING, vol.134, no.3, pp.227-229, 2008 (SCI-Expanded)

- XVII. COD fractionation of tannery wastewaters - Particle size distribution, biodegradability and modeling

Karahan Ö., Doğruel S., Dulekgurgen E., Orhon D.

WATER RESEARCH, vol.42, pp.1083-1092, 2008 (SCI-Expanded)

- XVIII. Simultaneous storage and utilization of polyhydroxyalkanoates and glycogen under aerobic conditions

Karahan O., ORHON D., VAN LOOSDRECHT M. C. M.

WATER SCIENCE AND TECHNOLOGY, vol.58, no.4, pp.945-951, 2008 (SCI-Expanded)

- XIX. Effect of feeding pattern on biochemical storage by activated sludge under anoxic conditions

Ciggin A. S., KARAHAN O., ORHON D.

WATER RESEARCH, vol.41, no.4, pp.924-934, 2007 (SCI-Expanded)

- XX. Substrate storage concepts in modeling activated sludge systems for tannery wastewaters

DIZDAROGLU-RISVANOGLU G., KARAHAN Ö., Cokgor E., Orhon D., VAN LOOSDRECHT M. C. M.

JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZARDOUS SUBSTANCES &

ENVIRONMENTAL ENGINEERING, vol.42, no.14, pp.2159-2166, 2007 (SCI-Expanded)

- XXI. Critical appraisal of respirometric methods for metal inhibition on activated sludge

Cokgor E., WDEMIR S., KARAHAN Ö., INSEL G., ORHON D.

JOURNAL OF HAZARDOUS MATERIALS, vol.139, no.2, pp.332-339, 2007 (SCI-Expanded)

- XXII. Effect of biochemical storage on the denitrification potential of acetate in sequencing batch reactors

Ciggin A. S., KARAHAN O., ORHON D.

WATER SCIENCE AND TECHNOLOGY, vol.55, no.10, pp.261-268, 2007 (SCI-Expanded)

- XXIII. Respirometric assessment of biodegradation characteristics of the scientific pitfalls of wastewaters

Orhon D., Insel G., Karahan Ö.

- WATER SCIENCE AND TECHNOLOGY, vol.55, no.10, pp.1-9, 2007 (SCI-Expanded)
- XXIV. **Unified basis for the respirometric evaluation of inhibition for activated sludge**  
Insel G., KARAHAN Ö., OZDEMIR S., PALA L., KATIPOGLU T., Cokgor E., ORHON D.  
JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZARDOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING, vol.41, no.9, pp.1763-1780, 2006 (SCI-Expanded)
- XXV. **Effect of perozonation on biodegradability and toxicity of a penicillin formulation effluent**  
Cokgor E., KARAHAN Ö., ARSLAN-ALATON I., MERIC S., SARUHAN H., ORHON D.  
JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZARDOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING, vol.41, no.9, pp.1887-1897, 2006 (SCI-Expanded)
- XXVI. **Modeling the utilization of starch by activated sludge for simultaneous substrate storage and microbial growth**  
Karahan O., VAN LOOSDRECHT M., ORHON D.  
BIOTECHNOLOGY AND BIOENGINEERING, vol.94, no.1, pp.43-53, 2006 (SCI-Expanded)
- XXVII. **Experimental evaluation of starch utilization mechanism by activated sludge**  
Karahan O., MARTINS A., ORHON D., VAN LOOSDRECHT M.  
BIOTECHNOLOGY AND BIOENGINEERING, vol.93, no.5, pp.964-970, 2006 (SCI-Expanded)
- XXVIII. **Size distribution of wastewater COD fractions as an index for biodegradability**  
Dulekgurgen E., Dogruel S., KARAHAN Ö., ORHON D.  
WATER RESEARCH, vol.40, no.2, pp.273-282, 2006 (SCI-Expanded)
- XXIX. **Biological treatability of raw and ozonated synthetic penicillin formulation effluent**  
Cokgor E., KARAHAN Ö., Arslan-Alaton I., SARUHAN H., ORHON D.  
WATER SCIENCE AND TECHNOLOGY, vol.52, pp.89-96, 2005 (SCI-Expanded)
- XXX. **Biological treatability of raw and ozonated penicillin formulation effluent**  
Cokgor E., ALATON I., KARAHAN Ö., DOGRUEL S., ORHON D.  
JOURNAL OF HAZARDOUS MATERIALS, vol.116, pp.159-166, 2004 (SCI-Expanded)
- XXXI. **Performance of magnesium ammonium phosphate precipitation and its effect on biological treatability of leather tanning industry wastewaters**  
Tunay C., ZENGİN G., Kabdash I., KARAHAN Ö.  
JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZARDOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING, vol.39, no.7, pp.1891-1902, 2004 (SCI-Expanded)
- XXXII. **Biodegradability improvement of penicillin formulation effluent by ozonation**  
Cokgor E., Arslan-Alaton I., KARAHAN Ö., DOGRUEL S., ORHON D.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.13, no.10, pp.1053-1056, 2004 (SCI-Expanded)
- XXXIII. **Estimation of stoichiometric and kinetic coefficients of ASM3 under aerobic and anoxic conditions via respirometry**  
Avcioglu E., Karahan-Gul Ö., Orhon D.  
WATER SCIENCE AND TECHNOLOGY, vol.48, no.8, pp.185-194, 2003 (SCI-Expanded)
- XXXIV. **Modification of Activated Sludge Model no. 3 considering direct growth on primary substrate**  
Karahan-Gul Ö., van Loosdrecht M., Orhon D.  
WATER SCIENCE AND TECHNOLOGY, vol.47, no.11, pp.219-225, 2003 (SCI-Expanded)
- XXXV. **Scientific basis for the design of small activated sludge systems**  
Orhon D., Karahan-Gul Ö., Sozen S., Artan N.  
WATER SCIENCE AND TECHNOLOGY, vol.48, pp.15-22, 2003 (SCI-Expanded)
- XXXVI. **Wastewater reuse for the minimization of fresh water demand in coastal areas - Selected cases from the textile finishing industry**  
ORHON D., Kabdasli I., Babuna F. F., Sozen S., DULKADIROGLU H., Dogruel S., Gul Ö., Insel G.  
JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZARDOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING, vol.38, no.8, pp.1641-1657, 2003 (SCI-Expanded)
- XXXVII. **Effect of ozonation on the biological treatability of a textile mill effluent**  
Karahan O., DULKADIROGLU H., Kabdasli I., Sozen S., Babuna F. F., ORHON D.  
ENVIRONMENTAL TECHNOLOGY, vol.23, no.12, pp.1325-1336, 2002 (SCI-Expanded)

- XXXVIII. **Experimental assessment of bacterial storage yield**  
 Karahan-Gul Ö., Artan N., Orhon D., Henze M., van Loosdrecht M.  
 JOURNAL OF ENVIRONMENTAL ENGINEERING, vol.128, no.11, pp.1030-1035, 2002 (SCI-Expanded)
- XXXIX. **Respirometric assessment of storage yield for different substrates**  
 Karahan-Gul Ö., Artan N., Orhon D., Henze M., van Loosdrecht M.  
 WATER SCIENCE AND TECHNOLOGY, vol.46, pp.345-352, 2002 (SCI-Expanded)
- XL. **Biological treatability of a corn wet mill effluent**  
 Eremektar G., Karahan-Gul Ö., Germirli-Babuna F. F., Ovez S., UNER H., ORHON D.  
 WATER SCIENCE AND TECHNOLOGY, vol.45, no.12, pp.339-346, 2002 (SCI-Expanded)
- XLI. **Important limitations in the modeling of activated sludge: biased calibration of the hydrolysis process**  
 Insel G., Gul Ö., ORHON D., VANROLLEGHEM P., HENZE M.  
 WATER SCIENCE AND TECHNOLOGY, vol.45, no.12, pp.23-36, 2002 (SCI-Expanded)
- XLII. **A scientific approach to wastewater recovery and reuse in the textile industry**  
 ORHON D., Babuna F. F., Kabdasli I., Insel F., Karahan Ö., DULKADIROGLU H., Dogruel S., SEVIMLI F., YEDILER A.  
 WATER SCIENCE AND TECHNOLOGY, vol.43, no.11, pp.223-231, 2001 (SCI-Expanded)
- XLIII. **Industrial wastewater management for recycle and reuse - A case study for the textile industry**  
 Karahan O., Insel G., DULKADIROGLU H., Kabdasli I., YEDILER A., ORHON D., KETTRUP A.  
 FRESENIUS ENVIRONMENTAL BULLETIN, vol.9, pp.314-321, 2000 (SCI-Expanded)
- XLIV. **The effect of residual microbial products on the experimental assessment of the particulate inert cod in wastewaters**  
 Orhon D., KARAHAN O., SOZEN S.  
 WATER RESEARCH, vol.33, no.14, pp.3191-3203, 1999 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Follow-up on Assessment of Student Outcomes by Senior-Year Design Project and Continuing to Improve by Performance Indicator Breakdown-Based Assessment**  
 Dulekgurgen E., Yangin-Gomec C., Ozgun O. K., Aydin B., Guven H.  
 INTERNATIONAL JOURNAL OF ENGINEERING PEDAGOGY, vol.8, pp.19-28, 2018 (ESCI)
- II. **Case studies from Turkey: Xenobiotic-containing industries, wastewater treatment and modeling**  
 Pehlivanoğlu-Mantas E., Insel G., Karahan Ö., Çokgör E., ORHON D.  
 Water, Air, and Soil Pollution: Focus, vol.8, no.5-6, pp.519-528, 2008 (Scopus)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Biodegradation of a tannery and chemical plant producing a setilsalilikat wastewater mixture**  
 Çokgör E., Karahan Ö., Orhon D.  
 International Conference on Environment: Survival and Sustainability, Nicosia, Cyprus (Gkry), 19 - 24 February 2007, pp.1117-1125
- II. **Minimization of environmental impacts in gold mining**  
 Karahan Ö., Yağcı N., Orhon D.  
 23rd International Mineral Processing Congress, IMPC 2006, İstanbul, Turkey, 3 - 08 September 2006, pp.2445-2450

## Supported Projects

Karahan Özgün Ö., Project Supported by Higher Education Institutions, AKTİF ÇAMUR SİSTEMLERİ İÇİN DİNAMİK

## SİMÜLASYON PROGRAMI TASARIMI, 2017 - 2021

- Karahan Özgün Ö., Arıkan O. A., Technopark, Elmalı 1-2 Barajı Havzası Koruma Planı Çalışması, 2018 - 2019
- Karahan Özgün Ö., Aydın A. F., Technopark, Su Kaynaklarının Sürdürülebilir Yönetimi için Ülkemize Özgү Hidrolojik, Su Kalitesi ve Ekolojik Modelleme Araçlarının Geliştirilmesi Projesi (HİDROTÜRK), 2016 - 2019
- Karahan Özgün Ö., Project Supported by Higher Education Institutions, Current Waste Electrical and Electronic Equipment (WEEE) Collection Performance in Turkey - Türkiye'de güncel atık elektrikli ve elektronik eşya (AEEE) toplama performansı, 2016 - 2018
- Karahan Özgün Ö., Project Supported by Higher Education Institutions, Zeytinyağı Karasuyunun Kimyasal ve Biyolojik Arıtımının Respirometrik Değerlendirilmesi, 2014 - 2018
- Karahan Özgün Ö., Project Supported by Higher Education Institutions, Biodegradation and Inhibition Mechanisms of Nonylphenol Ethoxylate in Activated Sludge Systems/Aktif Çamur Sistemlerinde Nonilfenol Etoksitalin Biyolojik Ayırışma ve İnhibisyon Mekanizmaları, 2012 - 2018
- Karahan Özgün Ö., Project Supported by Higher Education Institutions, Impact of anaerobic hydrolysis on the biodegradable cod fractions of brewery wastewater, 2010 - 2018
- Karahan Özgün Ö., Project Supported by Higher Education Institutions, TEHLİKELİ ATIK FAKTÖRLERİNİN BELİRLENMESİ, 2009 - 2018
- Karahan Özgün Ö., Project Supported by Higher Education Institutions, Polihidroksialkanotlar ile Glikojenin Aktif Çamur Sistemlerinde Simultane Olarak Depolanması, 2008 - 2018
- Karahan Özgün Ö., Project Supported by Higher Education Institutions, Predenitrifikasyon sistemlerinin ASM3 Modeli ile Tasarımı, 2006 - 2018
- Karahan Özgün Ö., Technopark, Özel Bir Hastaneler Grubu Bahçelievler Hastane Yatırımı Çevresel Ve Sosyal Etki Değerlendirmesi, 2017 - 2017
- Karahan Özgün Ö., Project Supported by Other Private Institutions, İsterler Doğrultusunda Eskalasyon Formülü Oluşturulması, 2016 - 2016
- Karahan Özgün Ö., Project Supported by Higher Education Institutions, Atıksu Arıtma Tesislerinin Model Programı Desteği ile İyileştirilmesi ve Optimizasyonu, 2014 - 2016
- Karahan Özgün Ö., Project Supported by Higher Education Institutions, Zeytinyağı Endüstrisi Karasularının Biyolojik Arıtılabilirliğinin İncelenmesi ve Kimyasal Proseslerle İyileştirilmesi, 2009 - 2016
- Karahan Özgün Ö., Project Supported by Other Private Institutions, TUNÇBİLEK VE ORHANELİ TERMİK SANTRALLERİÇEVRESEL YÜKÜMLÜLÜKLERİN DEĞERLENDİRİLMESİ ÇALIŞMASI, 2015 - 2015
- Karahan Özgün Ö., Görgün H. E., Technopark, Tehlikeli Maddelerin Kontrolüne İlişkin Proje, 2011 - 2013
- Karahan Özgün Ö., Project Supported by Higher Education Institutions, Arıtma Çamuru Kullanan İki Bölмелik Mikrobiyal Yakıt Hücrende Karbon Giderimi ve Elektrik üretimi, 2010 - 2013
- Karahan Özgün Ö., Project Supported by Higher Education Institutions, Mikrobiyal Yakıt Hücrende Nişastanın Sübstrat Olaak Kullanıldığı Şartlarda Karbon Giderimi ve Elektrik üretimi, 2010 - 2013
- Karahan Özgün Ö., Project Supported by Higher Education Institutions, Asetat Kullanan İki Bölmelik Mikrobiyal Yakıt Hücrende Karbon giderimi ve elektrik üretimi, 2010 - 2013
- Karahan Özgün Ö., Project Supported by Higher Education Institutions, Değişik Karbon Kaynaklarında Çalıştırılan Aktif Çamur Sistemlerinde Farklı Çamur Yaşlarında Çoğalma ve Depolama Kinetiği, 2009 - 2013
- Dülekgüren E., Karahan Özgün Ö., TUBITAK Project, "A New Approach in Industrial Wastewater Treatment: Aerobic Granular Activated Sludge Technology", TUBITAK Starting Grant, Project No: 108Y313, 2009 - 2012
- Karahan Özgün Ö., Arslan Alaton İ., Ölmez Hancı T., TUBITAK Project, Endüstriyel yüzey aktiflerin, aril sülfonatların ve bunların ileri oksidasyon ürünlerinin respirometrik araçlarla tayin edilmesi, 2008 - 2010
- Karahan Özgün Ö., Sözen S., Project Supported by Higher Education Institutions, İleri biyolojik atıksu tesislerinin tasarım kriterlerinin incelenmesi ve model bazlı proses optimizasyonu, 2008 - 2009
- Karahan Özgün Ö., Çokgör E., TÜBİTAK - AB COST Project, Xenobiotics in the urban water cycle , 2005 - 2009
- Karahan Özgün Ö., Çakar Z. P., FP6 Project, Novel sustainable bioprocesses for European colour industries, 2004 - 2008
- Karahan Özgün Ö., Övez S., TUBITAK Project, Filamentli bakterilerin neden olduğu kabarma ve köpük problemi ve populasyon dinamiğine olan etkileri: Deri Endüstrisi Aktif Çamur Arıtma Sistemi, 2003 - 2006
- Karahan Özgün Ö., Arslan Alaton İ., Ölmez Hancı T., TUBITAK Project, İleri oksidasyon proseslerinin ilaç endüstrisi atıksularından organik madde giderim hızına ve zehirliliğine etkilerinin araştırılması, 2002 - 2004

Karahan Özgün Ö., Orhon D., Project Supported by Higher Education Institutions, Sübstrat bileşimi ve besleme biçimlerinin biyokimyasal depolama üzerindeki etkileri, 2002 - 2004

Karahan Özgün Ö., Babuna F. F., TUBITAK Project, Tekstil endüstrisi yünlü kumaş son işlemlerinde geri kazanım ve yeniden kullanım, 2000 - 2002

Karahan Özgün Ö., Sözen S., TUBITAK Project, Aktif çamur sistemlerinin depolama kavramı ile uyumlu modellenmesi, 2000 - 2002

Karahan Özgün Ö., İskender F. G., TUBITAK Project, Yaş yöntemle mısır öğütme atıksularının arıtılabilirliği, 2000 - 2001

Karahan Özgün Ö., Orhon D., TUBITAK Project, İçsel solunum ve fermentasyon ürünlerinin karbon kaynağı olarak kullanıldığı ortamlarda denitrifikasyon kinetiği, 1997 - 2001

Karahan Özgün Ö., Orhon D., Civil Society Organizations of Other Countries Supported Project, Appropriate technologies for the minimization of environmental impact from industrial wastewaters Textile industry a case study, 1997 - 2000

## **Memberships / Tasks in Scientific Organizations**

Turkish National Committee on Water Pollution Research and Control (SKATMK), Secretary General, 2010 - Continues, Turkey

International Water Association (IWA), Member, 2000 - Continues, United Kingdom

Kimya Mühendisleri Odası, Member, 1995 - Continues, Turkey

## **Metrics**

Publication: 80  
Citation (WoS): 1182  
Citation (Scopus): 1190  
H-Index (WoS): 18  
H-Index (Scopus): 17

## **Non Academic Experience**

İstanbul Teknik Üniversitesi