

Assoc. Prof. Didem Okutman Taş

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Georgia Institute of Technology, Çevre Mühendisliği, United States Of America 2002 - 2006

Postgraduate, Georgia Institute of Technology, Çevre Mühendisliği, United States Of America 2002 - 2005

Postgraduate, İstanbul Technical University, İnşaat Fakültesi, Çevre Mühendisliği Bölümü, Turkey 1998 - 2001

Undergraduate, İstanbul University, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, Turkey 1994 - 1998

Foreign Languages

French, B2 Upper Intermediate

English

Dissertations

Doctorate, Microbial Reductive Transformation of pentachloronitrobenzene, Georgia Institute Of Technology, Civil And Environmental Engineering, Environmental Engineering, 2006

Postgraduate, Evsel Atıksularda çökelebilir KOİ ayrışmasının Deneysel İncelenmesi ve Modelenmesi, İstanbul Teknik Üniversitesi, İnşaat Fakültesi, Çevre Mühendisliği, 2001

Research Areas

Technical Sciences, Environmental Engineering

Academic Titles / Tasks

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

Assistant Professor, İstanbul Technical University, İnşaat, Çevre Mühendisliği, 2009 - 2011

Research Assistant, Georgia Institute of Technology, Civil And Environmental Eng, Civil And Environmental Eng, 2002 - 2006

Research Assistant, İstanbul Technical University, İnşaat, Çevre Mühendisliği, 1999 - 2002

Academic and Administrative Experience

İstanbul Teknik Üniversitesi, İnşaat Fakültesi, Çevre Mühendisliği, 2016 - Continues
İstanbul Teknik Üniversitesi, İnşaat Fakültesi, Çevre Mühendisliği , 2014 - Continues
İstanbul Teknik Üniversitesi, İnşaat Fakültesi, Çevre Mühendisliği Bölümü, 2011 - Continues

Courses

Toprak Kirlenmesi ve Kontrolü, Undergraduate, 2016 - 2017
Seminer, Postgraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011
Bitirme Tasarım, Undergraduate, 2016 - 2017
Environmental Biotechnology, Undergraduate, 2015 - 2016
Environmental Microbiology, Undergraduate, 2015 - 2016

Published journal articles indexed by SCI, SSCI, and AHCI

- I. Insights into the acute effect of anti-inflammatory drugs on activated sludge systems with high solids retention time
Ciftcioglu B., Demirkaya E., Salih E., Soylu D., Özyıldız G., Zengin Balcı G. E., Guven D., Topuz E., Pala Özkök I., Insel G., et al.
ENVIRONMENTAL TECHNOLOGY, vol.42, no.25, pp.3920-3931, 2021 (SCI-Expanded)
- II. Impact of ultrasonic pre-treatment on domestic sludge digestion performance and microbial community dynamics
Zengin G. E., Pala-Ozkok I., Okutman Taş D., Gömeç Ç., Altınbaş M., Çokgör E.
ENVIRONMENTAL TECHNOLOGY, vol.41, no.7, pp.931-943, 2020 (SCI-Expanded)
- III. Determination of the potential of pickle wastewater as feedstock for biopolymer production
Guventurk A., Ozturk D., Özyildiz G., Ayisigi E., Guven D., Zengin G. E., Tas D., Olmez-Hanci T., Pala-Ozkok I., Yağcı N., et al.
WATER SCIENCE AND TECHNOLOGY, vol.81, no.1, pp.21-28, 2020 (SCI-Expanded)
- IV. Enhancement of nutrient removal performance of activated sludge with a novel hybrid biofilm process
Gunes G., Hallac E., Ozgan M., Erturk A., Tas D., Cokgor E., Guven D., Takacs I., Erdinclar A., Insel G.
BIOPROCESS AND BIOSYSTEMS ENGINEERING, vol.42, no.3, pp.379-390, 2019 (SCI-Expanded)
- V. Comparative Assessment of Sludge Pre-Treatment Techniques to Enhance Sludge Dewaterability and Biogas Production
TAS D., YANGIN-GOMEĆ C., OLMEZ-HANCI T., Arikan O. A., Cifci D. I., GENCSOY E. B., Ekdal A., UBAY-COKGOR E.
CLEAN-SOIL AIR WATER, vol.46, no.1, 2018 (SCI-Expanded)
- VI. EVALUATION OF WATER REUSE IN A METAL FINISHING INDUSTRY
INSEL G., Gümüşlü E., Yuksek G., UCAR N. S., Cokgor E., OLMEZ-HANCI T., TAS D., BABUNA F. F., ERTEM D. F., OkmenYildirim O., et al.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.26, no.1, pp.421-425, 2017 (SCI-Expanded)
- VII. COMPARISON OF SYNTHETIC AND DOMESTIC WASTEWATER EFFLUENTS FOR COUPLING NITROGEN REMOVAL AND CHLORELLA VULGARIS AND SCENEDESMUS DIMORPHUS PRODUCTION
Insel G., Gürel M., Pehlivanoglu-Mantas E., Tas D., Ica T., Cokgor E. U., GENCSOY E. B., MOVAHEDPOUR F., GORGUN E., OZBASARAN M.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.26, no.1, pp.433-438, 2017 (SCI-Expanded)
- VIII. Effect of eco-friendly production technologies on wastewater characterization and treatment plant performance
Yuksek G., TAS D., Çokgör E., INSEL G., KIRCI B., ERTURAN O.
DESALINATION AND WATER TREATMENT, vol.57, no.57, pp.27924-27933, 2016 (SCI-Expanded)
- IX. Impact of the Anoxic Volume Ratio on the Dynamics of Biological Nitrogen Removal Under Extended

Aeration Conditions

Insel G., COKGOR E., TAS D., Sözen S., ORHON D.

WATER AIR AND SOIL POLLUTION, vol.226, no.11, 2015 (SCI-Expanded)

X. Acute and chronic responses of denitrifying culture to diclofenac

Ozdemir G., AYDIN E., TOPUZ E., YANGIN-GOMEK C., TAS D.

BIORESOURCE TECHNOLOGY, vol.176, pp.112-120, 2015 (SCI-Expanded)

XI. Scientific basis of dissolved organic carbon limitation for landfilling of municipal treatment sludge - Is it attainable and justifiable?

Sözen S., Çokgör E., INSEL G., TAS D., DULKADIROGLU H., KARACA C., Filibeli A., Meric S., ORHON D.

WASTE MANAGEMENT, vol.34, no.9, pp.1657-1666, 2014 (SCI-Expanded)

XII. Optimization of diclofenac quantification from wastewater treatment plant sludge by ultrasonication assisted extraction

Topuz E., SARI S., OZDEMIR G., AYDIN E., PEHLIVANOGLU-MANTAS E., TAS D.

JOURNAL OF CHROMATOGRAPHY B-ANALYTICAL TECHNOLOGIES IN THE BIOMEDICAL AND LIFE SCIENCES, vol.958, pp.48-54, 2014 (SCI-Expanded)

XIII. Seasonal variation of diclofenac concentration and its relation with wastewater characteristics at two municipal wastewater treatment plants in Turkey

Sari S., OZDEMIR G., YANGIN-GOMEK C., ZENGİN G. E., TOPUZ E., AYDIN E., PEHLIVANOGLU-MANTAS E., TAS D.

JOURNAL OF HAZARDOUS MATERIALS, vol.272, pp.155-164, 2014 (SCI-Expanded)

XIV. Impact of aerobic stabilization on the characteristics of treatment sludge in the leather tanning industry

Cokgor E., AYDINLI E., TAS D., ZENGİN G. E., ORHON D.

ENVIRONMENTAL TECHNOLOGY, vol.35, no.6, pp.719-726, 2014 (SCI-Expanded)

XV. Effect of stabilization on biomass activity

Cokgor E., TAS D., ZENGİN G. E., INSEL G.

JOURNAL OF BIOTECHNOLOGY, vol.157, no.4, pp.547-553, 2012 (SCI-Expanded)

XVI. 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)

XVII. Influence of pH and temperature on soluble substrate generation with primary sludge fermentation

Cokgor E., OKTAY S., TAS D., ZENGİN G. E., ORHON D.

BIORESOURCE TECHNOLOGY, vol.100, no.1, pp.380-386, 2009 (SCI-Expanded)

XVIII. Evaluation of municipal and industrial wastewater treatment sludge stabilization in Istanbul

Pehlivanoglu-Mantas E., Tas D., Insel G., Aydin E., Öztürk D., Mez T., Gorgun E., Cokgorl E. U., orhon D.

CLEAN-SOIL AIR WATER, vol.35, no.6, pp.558-564, 2007 (SCI-Expanded)

XIX. Respirometric assessment of primary sludge fermentation products

Cokgor E., ZENGİN G., TAS D., OKTAY S., RANDALL C., ORHON D.

JOURNAL OF ENVIRONMENTAL ENGINEERING, vol.132, no.1, pp.68-74, 2006 (SCI-Expanded)

XX. Respirometric assessment of residual organic matter for domestic sewage

Orhon D., Okutman D.

ENZYME AND MICROBIAL TECHNOLOGY, vol.32, no.5, pp.560-566, 2003 (SCI-Expanded)

XXI. Effect of chemical treatment on soluble residual COD in textile wastewaters

Dulkadiroglu H., Doğruel S., Okutman D., Kabdaşlı N. I., Sozen S., Orhon D.

WATER SCIENCE AND TECHNOLOGY, vol.45, no.12, pp.251-259, 2002 (SCI-Expanded)

Supported Projects

Okutman Taş D., Demirkaya E., Project Supported by Higher Education Institutions, Antienflamatuar özellikteki mikrokirleticilerin atıksu arıtma tesislerinde biyolojik arıtılabilirliklerinin belirlenmesi, 2017 - 2019

Okutman Taş D., Project Supported by Higher Education Institutions, Diklofenakin anaerobik arıtmadada akut toksisitesinin araştırılması, 2016 - 2018

Okutman Taş D., Project Supported by Higher Education Institutions, Deri Endüstrisi Çamurlarına Aerobik Stabilizasyon Etkisi, 2011 - 2018

Okutman Taş D., Project Supported by Higher Education Institutions, AEROBİKÇAMUR STABİLİZASYONUNUN BİYOKÜTLE AKTİVİTESİNE ETKİSİ, 2010 - 2018

Okutman Taş D., Project Supported by Higher Education Institutions, Denitrifikasyon Yapan Bir Sistemde Diklofenak'ın Arıtılabilirliğinin Araştırılması, 2014 - 2017

Okutman Taş D., Project Supported by Higher Education Institutions, Evsel Atıksu Arıtma Tesislerinde Diklofenak'ın Arıtılabilirliğinin Araştırılması, 2012 - 2013

Okutman Taş D., Project Supported by Higher Education Institutions, Metal Son İşleme Tesisinin Atıksularının Biyolojik Arıtılabilirliğinin İncelenmesi, 2011 - 2013

Scientific Consultations

TÜBİTAK, Project Consultancy, İstanbul Technical University, İnşaat, Çevre Mühendisliği, Turkey, 2017 - Continues

TÜBİTAK, Project Consultancy, İstanbul Technical University, İnşaat, Çevre Mühendisliği, Turkey, 2017 - Continues

Norm Çevre Teknolojileri, Scientific Consultancy, İstanbul Technical University, İnşaat, Çevre Mühendisliği, Turkey, 2015 - 2016

Arçelik A.Ş. ve ARGEM A.Ş, Scientific Consultancy, İstanbul Technical University, İnşaat, Çevre Mühendisliği, Turkey, 2011 - 2012

Scientific Research / Working Group Memberships

International Water Association, International Water Association, United States Of America, <http://www.iwanetwork.org/>, 2010 - Continues

American Chemical Society, American Chemical Society, United States Of America, <https://www.acs.org/>, 2005 - Continues

The Association of Environmental Engineers and Scientists, Georgia Institute of Technology, United States Of America, <http://aees.ce.gatech.edu/>, 2002 - Continues

Metrics

Publication: 97

Citation (WoS): 542

Citation (Scopus): 593

H-Index (WoS): 12

H-Index (Scopus): 13

Congress and Symposium Activities

The World Multidisciplinary Earth Sciences Symposium – WMESS 2016, Attendee, Praha, Czech Republic, 2016

ICWEEM 2016 : 18th International Conference on Water, Energy and Environmental Management, Attendee, Madrid, Spain, 2016

IWA Specialist Conference on EcoTechnologies for Sewage Treatment Plants, Attendee, Verona, Italy, 2014

100 years and Counting, Attendee, Essen, Germany, 2014

17th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region Mediterranean Scientific Association of Environmental Protection, MESAEP, Attendee, İstanbul, Turkey, 2013

13th World Congress on Anaerobic Digestion: Recovering (bio) Resources for the World, Attendee, Spain, 2013
8th International Symposium on Waste Management Problems in Agro-Industries, Attendee, Turkey, 2011
Third European Bioremediation Conference, Attendee, Haniá, Greece, 2005
105th General Meeting, American Society for Microbiology, Attendee, Georgia, United States Of America, 2005
2005 Quadrangle Conference on Environmental Science and Engineering, Attendee, Georgia, United States Of America, 2005
9th Annual Association of Environmental Engineers and Scientists (AEES), Attendee, Georgia, United States Of America, 2005

Awards

Okutman Taş D., Bilim Hizmet Ödülü, Akdeniz Üniversitesi, May 2019
Okutman Taş D., BAGEP, Bilim Akademisi, February 2017
Okutman Taş D., Eser Tümen Üstün Başarı Ödülü, FABED, June 2015
Okutman Taş D., Üstün Başarılı Genç Bilim İnsanı Ödülü, Türkiye Bilimler Akademisi, June 2015
Okutman Taş D., Best pHD Thesis, - Georgia Institute of Technology, School of Civil and Environmental Engineering Awards Committee, May 2006

Non Academic Experience

Georgia Institute of Technology