

Prof. Çiğdem Gömeç

Personal Information

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International Researcher IDs

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Biography

She was born in Bilecik/TURKEY in 1973. She had her B.Sc. degree in Environmental Engineering (1995) at Istanbul Technical University and M.Sc. degree (1998) in Environmental Engineering at Bogazici University, Istanbul. She completed her Ph.D degree between years 1999-2005 in Environmental Engineering (1995) at Istanbul Technical University. During her Ph.D, she worked at Vanderbilt University with Prof. R. E. Speece on anaerobic treatment of municipal sludges. She also worked with Prof. P. A. Wilderer at the Institute of Water Quality Control and Waste Management in Munich Technical University (TUM)/Germany and she studied on identification of anaerobic communities by FISH technique. She worked as a research assistant in Bogazici University at the Institute of Environmental Sciences between years 1996-1999. She is currently a Professor in ITU Environmental Engineering Department since 2020. She is married and has two kids.

Education Information

Doctorate, İstanbul Technical University, Fen Bilimleri Enstitüsü, Çevre Mühendisliği Anabilim Dalı, Turkey 1999 - 2005

Postgraduate, Bogazici University, Institute Of Environmental Sciences, Çevre Bilimleri Bölümü, Turkey 1995 - 1998

Undergraduate, İstanbul Technical University, İnşaat Fakültesi, Çevre Mühendisliği, Turkey 1991 - 1995

Foreign Languages

German, B1 Intermediate

English, C1 Advanced

Research Areas

Environmental Engineering, Environmental Technology, Engineering and Technology

Academic Titles / Tasks

Professor, İstanbul Technical University, İnşaat, Çevre Mühendisliği, 2020 - Continues

Associate Professor, İstanbul Technical University, İnşaat, Çevre Mühendisliği, 2008 - 2020

Assistant Professor, Istanbul Technical University, İnşaat, Çevre Mühendisliği, 2006 - 2008
Research Assistant PhD, Istanbul Technical University, İnşaat, Çevre Mühendisliği, 2005 - 2006
Research Assistant, Istanbul Technical University, İnşaat, Çevre Mühendisliği, 1999 - 2005
Research Assistant, Bogazici University, Institute Of Environmental Sciences, Çevre Teknolojisi, 1996 - 1999

Academic and Administrative Experience

Deputy Head of Department, Istanbul Technical University, Çevre Mühendisliği Bölümü, 2015 - 2018

Courses

Urban Hydrology, Undergraduate, 2016 - 2017, 2015 - 2016, 2011 - 2012, 2010 - 2011

Graduation Design Project, Undergraduate, 2016 - 2017, 2015 - 2016

Advising Theses

Gömeç Ç., Biogas recovery during anaerobic treatment of lignocellulose-rich pollutants with high sulphate content: an investigation via innovative applications, Postgraduate, E.Yarsur(Student), 2021

Gömeç Ç., Combined effect of water hyacinth and trichocladium canadense on biogas production during anaerobic treatment of wastewater with antibiotics mixture, Postgraduate, I.KHAIRUNNISA(Student), 2019

Gömeç Ç., Treatability of aircraft deicing fluids (ADFs) by high-rate anaerobic systems: An investigation on biogas potential and energy recovery, Postgraduate, G.Engiz(Student), 2018

Gömeç Ç., Buz çözücü sıvı içeren atıksuların havasız arıtımında biyogaz geri kazanımı ile optimum glikol oranının araştırılması, Postgraduate, H.MURAT(Student), 2018

Gömeç Ç., Yüksek Azot İçerikli Tavuk Atıklarının Havasız Arıtımında Rol Alan Mikrobiyal Türler ile Biyogaz Potansiyelinin Belirlenmesi, Postgraduate, T.Sapmaz(Student), 2017

Gömeç Ç., Tavuk Atıklarının Farklı Aşı Çamuru İçeren Yukarı Akıslı Havasız Çamur Yataklı Reaktörlerde Arıtılabilirliğinin Karşılaştırılmış Olarak Değerlendirilmesi, Postgraduate, Ç.Gülümser(Student), 2012

Gömeç Ç., Evsel Atıksuların Mezofilik Altı Sıcaklıklarda Laboratuar ve Pilot Ölçekli Reaktörlerde Havasız Arıtımı, Postgraduate, B.Horasan(Student), 2009

Gömeç Ç., Evsel Atıksuların Doğal Ortam Sıcaklıklarında Havasız Çamur Yataklı Reaktörde Arıtımı ve İlave Kimyasal Arıtma Uygulamaları, Postgraduate, E.Güneş(Student), 2008

Published journal articles indexed by SCI, SSCI, and AHCI

I. Energy recovery during anaerobic treatment of lignocellulosic wastewater with dynamic modeling and simulation results

Yangin-Gomec C., Yarsur E., Özcan O. Y.

BIOMASS CONVERSION AND BIOREFINERY, vol.13, no.10, pp.9227-9236, 2023 (SCI-Expanded)

II. Energy Production from Biomass Valorization

Gömeç Ç., Sárvári Horváth I., Martín C.

Energies, vol.16, no.11, 2023 (SCI-Expanded)

III. Coexistence of sulfate-reducing and methane-producing populations in upflow anaerobic sludge bed reactor treating lignocellulosic effluent with material balance

Yangin-Gomec C., Yarsur E.

International Journal of Environmental Science and Technology, vol.20, no.6, pp.6609-6622, 2023 (SCI-Expanded)

IV. Assessment of Microbial Diversity during Thermophilic Anaerobic Co-Digestion for an Effective Valorization of Food Waste and Wheat Straw

- Yangin-Gomec C., Agnihotri S., Ylitervo P., Sárvári Horváth I.
Energies, vol.16, no.1, 2023 (SCI-Expanded)
- V. **Addition of *Trichocladium canadense* to an anaerobic membrane bioreactor: evaluation of the microbial composition and reactor performance**
Fakhri H., Arabaci D. N., Unlu I. D., Yangin-Gomec C., Övez S., Aydin S.
BIOFOULING, vol.37, no.7, pp.711-723, 2021 (SCI-Expanded)
- VI. **Comparative assessment of modeling and experimental data of ammonia removal from pre-digested chicken manure**
Pekyavas G., Dereli R. K., Yangin-Gomec C.
JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZARDOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING, vol.55, no.11, pp.1333-1338, 2020 (SCI-Expanded)
- VII. **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)
- VIII. **Iopamidol degradation with ZVI- and ZVA-activated chemical oxidation: Investigation of toxicity, anaerobic inhibition and microbial communities**
Yangin-Gomec C., Ölmez Hancı T., Arslan Alaton İ., Khoei S., Fakhri H.
JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING, vol.6, no.6, pp.7318-7326, 2018 (SCI-Expanded)
- IX. **Behaviour of the X-ray contrast agent iopamidol during anaerobic treatment and effect on biogas production**
Yangin-Gomec C., SAPMAZ T., Khoei S., Arslan-Alaton İ., Olmez-Hancı T.
Desalination and Water Treatment, vol.93, pp.324-328, 2017 (SCI-Expanded)
- X. **Microbial monitoring of ammonia removal in a UASB reactor treating pre-digested chicken manure with anaerobic granular inoculum**
Yangin-Gomec C., Pekyavas G., Sapmaz T., Aydin S., Ince B., Akyol C., İnce O.
BIORESOURCE TECHNOLOGY, vol.241, pp.332-339, 2017 (SCI-Expanded)
- XI. **Acute and chronic responses of denitrifying culture to diclofenac**
Özdemir G., AYDIN E., TOPUZ E., YANGIN-GOMEĆ C., TAS D.
BIORESOURCE TECHNOLOGY, vol.176, pp.112-120, 2015 (SCI-Expanded)
- XII. **Effect of sludge management strategies on minimizing global warming potential at a municipal wastewater treatment plant of a metropolitan city**
GÖMEÇ Ç., GÜVEN H., Özdemir Ö., ÖZTÜRK İ.
Fresenius Environmental Bulletin, vol.23, no.12, pp.3153-3160, 2014 (SCI-Expanded)
- XIII. **Sludge Management Strategies on Minimizing Global Warming Potential at a Municipal Wastewater Treatment Plant of a Megacity**
Gömeç Ç., Guven H., Ozdemir O., Ozturk I.
Fresenius Environmental Bulletin, vol.0, no.272, pp.155-164, 2014 (SCI-Expanded)
- XIV. **Bioenergy production from diluted poultry manure and microbial consortium inside Anaerobic Sludge Bed Reactor at sub-mesophilic conditions**
Jaxybayeva A., YANGIN-GOMEĆ C., CETECIOGLU Z., OZBAYRAM E. G., YILMAZ F., INCE O.
JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART B-PESTICIDES FOOD CONTAMINANTS AND AGRICULTURAL WASTES, vol.49, no.10, pp.775-785, 2014 (SCI-Expanded)
- XV. **High rate anaerobic treatment of domestic wastewater at ambient operating temperatures A review on benefits and drawbacks**
Gömeç Ç.
Journal of Environmental Science and Health A, vol.45, no.10, pp.1169-1184, 2010 (SSCI)
- XVI. **Treatability of Domestic Wastewater by Anaerobic Baffled Reactors with Different Inoculums**
Gömeç Ç., Horasan B., Gunes E. O., Ozyurek E., Akca L., Ayaz S.
Fresenius Envir. Bulletin, vol.19, no.9, pp.1889-1893, 2010 (SSCI)
- XVII. **IDENTIFYING ACETICLASTIC AND HYDROGENOTROPHIC METHANOGENS IN PSYCHROPHILIC AND**

- MESOPHILIC GRANULAR SLUDGES TREATING SYNTHETIC SEWAGE BY MEANS OF FISH AND CSLM**
Gomec C. Y., EROGLU V., WILDERER P. A.
JOURNAL OF RAPID METHODS AND AUTOMATION IN MICROBIOLOGY, vol.17, no.2, pp.135-153, 2009 (SCI-Expanded)
- XVIII. Co Digestion of the Organic Fraction of Municipal Solid Waste with Primary Sludge at a Municipal Treatment Plant in Turkey**
DERELİ R. K., Ersahin E., Gömeç Ç., Ozturk I., Ozdemir O.
Waste Management and Research, vol.28, no.5, pp.404-410, 2009 (SCI-Expanded)
- XIX. Identification of Archaeal population in the granular sludge of an UASB reactor treating sewage at low temperatures**
Gomec C. Y., LETSIOU I., OZTURK İ., EROGLU V., WILDERER P. A.
JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZARDOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING, vol.43, no.13, pp.1504-1510, 2008 (SCI-Expanded)
- XX. Combined anaerobic treatment of domestic wastewater and landfill leachate at psychrophilic temperatures**
Gömeç Ç., Cifci D. I., Ozturk I., KINACI C.
Fresenius Environmental Bulletin, vol.17, pp.1828-1832, 2008 (SCI-Expanded)
- XXI. Behavior of the anaerobic CSTR in the presence of scum during primary sludge digestion and the role of pH**
Gomec C. Y.
JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZARDOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING, vol.41, no.6, pp.1117-1127, 2006 (SCI-Expanded)
- XXII. Behavior of an up-flow anaerobic sludge bed (UASB) reactor at extreme salinity**
GOMEĆ C., GONULDINC S., ELDEM N., Ozturk I.
WATER SCIENCE AND TECHNOLOGY, vol.51, no.11, pp.115-120, 2005 (SCI-Expanded)
- XXIII. Anaerobic treatment of low strength wastewaters in temperate regions**
Gomec C., Eroglu V., Ozturk I.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.13, no.10, pp.923-928, 2004 (SCI-Expanded)
- XXIV. Hydrolysis and acidogenesis of particulate organic material in mesophilic and thermophilic anaerobic digestion**
Kim M., Gomec C., Ahn Y., Speece R.
ENVIRONMENTAL TECHNOLOGY, vol.24, no.9, pp.1183-1190, 2003 (SCI-Expanded)
- XXV. Anaerobic digestion of municipal sludges with high silt content using granular seed**
Atilla B., YANGIN-GOMEĆ C., ALTINBAS M., Ozturk I.
JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZARDOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING, vol.38, no.10, pp.2369-2379, 2003 (SCI-Expanded)
- XXVI. Organic material solubilization of domestic primary sludge in anaerobic digestion at controlled pH**
Gömeç Ç., Speece R.
WATER SCIENCE AND TECHNOLOGY, vol.48, no.4, pp.195-198, 2003 (SCI-Expanded)
- XXVII. A new process for the combined treatment of municipal wastewaters and landfill leachates in coastal areas**
GÖMEÇ Ç., YILMAZ S., ALTINBAŞ M., Öztürk İ.
WATER SCIENCE AND TECHNOLOGY, vol.46, no.8, pp.111-118, 2002 (SCI-Expanded)
- XXVIII. Struvite precipitation from anaerobically treated municipal and landfill wastewaters**
ALTINBAŞ M., GÖMEÇ Ç., Öztürk İ.
WATER SCIENCE AND TECHNOLOGY, vol.46, no.9, pp.271-278, 2002 (SCI-Expanded)
- XXIX. The role of pH in mesophilic anaerobic sludge solubilization**
Gomec C., KIM M., AHN Y., SPEECE R.
JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZARDOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING, vol.37, no.10, pp.1871-1878, 2002 (SCI-Expanded)
- XXX. Application of various BOD test methods in landfill leachates**

- Cecen F., YANGIN C.
 JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZARDOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING, vol.36, no.4, pp.545-564, 2001 (SCI-Expanded)
- XXXI. Comparison of BOD results obtained by dilution and manometric methods in sanitary landfill leachates**
 Cecen F., YANGIN C.
 JOURNAL OF ENVIRONMENTAL MONITORING, vol.2, no.6, pp.628-633, 2000 (SCI-Expanded)

Articles Published in Other Journals

- I. Co-digestion potential of different industrial sludge sources and impact on energy recovery
 TEMEL M. Ş., Yangin-Gomec C.
 Environmental Research & Technology, vol.6, no.4, pp.317-325, 2023 (Scopus)
- II. Methane yield of paper industry waste in the presence of two compounds from alcohol and aldehyde groups during thermophilic anaerobic digestion
 Yarsur E., Horváth I. S., Yangin Gömeç Ç.
 Environmental Research and Technology, vol.6, no.1, pp.54-59, 2023 (Scopus)
- III. Anaerobic treatment of propylene glycol-contaminated domestic wastewater and microbial community profile at threshold ratio
 Gömeç Ç., Engiz G.
 HELIYON, vol.7, no.2, 2021 (ESCI)
- IV. Response of Anammox bacteria to elevated nitrogen and organic matter in pre-digested chicken waste at a long-term operated UASB reactor initially seeded by methanogenic granules
 Pekyavaş G., GÖMEÇ Ç.
 Bioresource Technology Reports, vol.7, pp.100222, 2019 (Scopus)
- V. Development and Application of a Rubric Specific for the Senior Year Graduation Design Projects for Assessing Learning Outcomes
 Gömeç Ç., Mutlu B., Dulekgürgen E., Öztürk İ., Tanık A. G.
 Iberoamerican Journal of Project Management, vol.7, no.1, pp.47-61, 2016 (Peer-Reviewed Journal)
- VI. Evsel Atıksu Arıtma Çamurlarının Havasız Çürütlümleri Sırasında pH Kontrolünün Önemi
 Gömeç Ç., Speece R.
 Sigma Mühendislik ve Fen Bilimleri Dergisi, vol.3, pp.75-81, 2011 (Peer-Reviewed Journal)
- VII. İlman Bölgelerde Düşük Kirlilik Yüküne Sahip Atıksuların Havasız Arıtımı
 Gömeç Ç., EROGLU V.
 İTÜ Dergisi/d, vol.5, pp.142-150, 2006 (Peer-Reviewed Journal)
- VIII. Düzenli Depolama Sızıntı Sularında Seyrelme ve Manometrik Yöntemlerle Biyokimyasal Oksijen İhtiyacı (BOİ) Analizleri
 Gömeç Ç., Çeçen F.
 Su Kirlenmesi Kontrolü Dergisi, vol.12, no.2, pp.7-15, 2002 (Peer-Reviewed Journal)

Books & Book Chapters

- I. Significance of Outcome-Based Assessment and Evaluation-Centered Performance Indicators for Continuous Quality Improvement of Engineering Education
 OKUTMAN TAŞ D., DÜLEKGÜRGÜN E., ZENGİN BALCI G. E., KAYNAK TEZEL B., GÖMEÇ Ç.
 in: Engineering Pedagogy Towards Outcome-Based Education, Kumar Kaushik, Editor, Taylor & Francis Group, pp.83-106, 2022
- II. Chapter 10 Curriculum Mapping for Attainment of Student Outcomes from the Perspectives of Senior-Year Students and Instructors

- DÜLEKGÜRGEN E., GÖMEÇ Ç., OKUTMAN TAŞ D.
in: Engineering Pedagogy Towards Outcome-Based Education, Kumar Kaushik, Editor, CRC Press is an imprint of Taylor & Francis Group, LLC, Boca Raton, FL, pp.153, 2022
- III. **Atıksu Mühendisliği**
ÖZTÜRK İ., KOYUNCU İ., GÖMEÇ Ç., KARPUZCU M. E., ERŞAHİN M. E., TİMUR H., ÖZGÜN H., DERELİ R. K., KOŞKAN U., GÜLHAN H., et al.
İSKİ, 2017
- IV. **Çamurların İşlenmesi, Arıtılması ve Uzaklaştırılması**
Gömeç Ç.
in: Atıksu Mühendisliği, İzzet Öztürk, Editor, İski, İstanbul, pp.341-416, 2017
- V. **Kent Yönetimi, İnsan ve Çevre Sorunları Sempozyumu'08 Bildiriler Kitabı**
Gömeç Ç., TANIK A. G., OZTURK I., Şeker D. Z.
İstaç/İbb, İstanbul, 2008
- VI. **11. Endüstriyel Kirlenme Kontrolü Sempozyumu Bildiriler Kitabı**
Gömeç Ç., Toröz İ., Yağcı N., Dulekgurgen E., Ersahin E., ARIKAN O. A., Dereli R. K.
İTÜ Yayımları, İstanbul, 2008
- VII. **Evsel Atıksuların Havasız Arıtımı**
Gömeç Ç.
in: Anaerobik Arıtma ve Uygulamaları, İzzet Öztürk, Editor, Su Vakfı Yayımları, İstanbul, pp.304-334, 2007
- VIII. **Çamur Çürütmeye ve Katıların İşlenmesi.**
Gömeç Ç.
in: Atıksu Arıtma Tesisleri İşletme El Kitabı, Dinçer Topacık, Editor, İski, İstanbul, pp.344-441, 2000

Refereed Congress / Symposium Publications in Proceedings

- I. **Yüksek Amonyak İçerikli Çürütlümüş Tavuk Atıklarının İlave Arıtımı ve Uygun Bertaraf Alternatiflerinin Araştırılması**
pekyavaş g., GÖMEÇ Ç.
1. Uluslararası GAP Gıda, Tarım ve Veteriner Bilimleri Kongresi, Şanlıurfa, Turkey, 29 November - 01 December 2019, pp.42-49
- II. **Lignoselülozik Hammadde Kullanılan Kağıt Sanayi Atıksularından Biyogaz Üretiminin Araştırılması ve Kırsal Kalkınmadaki Rolünün Değerlendirilmesi**
eda y., GÖMEÇ Ç.
1. Uluslararası GAP Gıda, Tarım ve Veteriner Bilimleri Kongresi, Şanlıurfa, Turkey, 29 November - 01 December 2019, pp.35-41
- III. **Experimental assessment and modelling of ammonia removal from chicken manure digestate**
pekyavaş g., DERELİ R. K., GÖMEÇ Ç.
10th IWA International Symposium on Waste Management Problems in Agro-Industries, Rhodes, Greece, 19 - 21 June 2019
- IV. **Energy Efficiency at Airports Through the Management of Aircraft De-Icing Fluid (ADF) by a High-Rate Anaerobic Treatment Process**
ENGİZ G., SU E., GÖMEÇ Ç.
Industrial Water 2018, 27 - 29 November 2018
- V. **Comparative Evaluation of Biogas Recovery During Anaerobic Treatment of Aircraft Deicing Fluids at Increased Ratios in Domestic Wastewater**
Göktaş H. M., Engiz G., Su E., Gömeç Ç.
4th International Conference on Recycling and Reuse, İstanbul, Turkey, 24 - 26 October 2018, pp.204-206
- VI. **Assessing and Evaluating the Student Outcomes in Line with Continous Improvement Process- A Case Study in Environmental Engineering Undergraduate Program**
TANIK A. G., GÖMEÇ Ç., ZENGİN BALCI G. E., KAYNAK TEZEL B., OKUTMAN TAŞ D.

- INTED 2018, 12th International Technology, Education and Development Conference, Valencia, Spain, 5 - 07 March 2018, pp.99-106
- VII. **Effect of inoculum acclimation on energy recovery from anaerobic reactors digesting chicken manure**
GÖMEÇ Ç., Sapmaz T., AYDIN S.
Sixth European Conference on Renewable Energy Systems (ECRES2018), 25 - 27 June 2018, pp.278-284
- VIII. **Anaerobic digestion of chicken manure in the presence of Ciprofloxacin, a fluoroquinolone antibiotic**
GÖMEÇ Ç., SAPMAZ T.
Sludge Management in Circular Economy, 23 - 25 May 2018
- IX. **Havalimanlarında Buz Çözücü Sıvı İle Kirlenmiş Evsel Atıksuların Yönetiminde Biyogaz Geri Kazanımı**
Göktaş H. M., Engiz G., Ünal G., GÖMEÇ Ç.
UKAY 2018 - 9. Ulusal Katı Atık Yönetimi Kongresi, Turkey, 9 - 11 May 2018
- X. **Assessing and Evaluating the Student Outcomes in Line With Continuous Improvement Process - A Case Study in Environmental Engineering Undergraduate Program**
Gömeç Ç., Zengin Balci G. E., Kaynak Tezel B., Okutman Taş D.
2th annual International Technology, Education and Development Conference, Valencia, Spain, 5 - 07 March 2018, pp.1
- XI. **Assessing and Evaluating the Student Outcomes in Line with Continuous Improvement Process - A Case Study in Environmental Engineering Undergraduate Program**
GÖMEÇ Ç., ZENGİN BALCI G. E., KAYNAK TEZEL B., TANIK A. G., OKUTMAN TAŞ D.
12th annual International Technology, Education and Development Confer, 5 - 07 March 2018
- XII. **Tavuk Atıklarının Havasız Çürütlmesi Sırasında Optimum Katı Madde Oranı İle Biyogaz Veriminin Araştırılması**
Sapmaz T., GÖMEÇ Ç.
Uluslararası Kompost ve Biyogaz Teknolojileri Çalıştayı, 16 - 18 November 2017
- XIII. **Degradation of Iopamidol, a Commercial X-ray Contrast Chemical and Micropollutant, with ZVA and ZVI-activated, Common Oxidants: Investigation of Acute Toxicity and Anaerobic Inhibition**
Khoei S., Fakhri H., ÖLMEZ HANCI T., GÖMEÇ Ç., ARSLAN ALATON İ.
15th International Conference on Environmental Science And Technology, 31 August - 02 September 2017
- XIV. **Microbial dynamics in laying hen waste and its anaerobic treatability at mesophilic temperature**
Gömeç Ç., Aydin S.
5th International Conference on Sustainable Solid Waste Management, Atina, Greece, 21 - 24 June 2017, pp.1
- XV. **Antibiyotik İçeren Tavuk Atıklarının Havasız Arıtımında Yenilenebilir Enerji Potansiyeli**
Gömeç Ç., Arslan Alaton İ., Ölmez Hancı T., Sapmaz T.
10. Uluslararası Temiz Enerji Sempozyumu (UTES), İstanbul, Turkey, 24 - 26 October 2016, pp.1
- XVI. **ANTİBİYOTİK İÇEREN TAVUK ATIKLARININ HAVASIZ ARITIMINDA YENİLENEBİLİR ENERJİ POTANSİYELİ**
Sapmaz T., ARSLAN ALATON İ., ÖLMEZ HANCI T., GÖMEÇ Ç.
10TH INTERNATIONALCLEAN ENERGY SYMPOSIUM, 24 - 26 October 2016
- XVII. **Seyreltik Tavuk Atıklarının Havasız Arıtımında Biyogaz Potansiyeli**
Gömeç Ç., JAXYBAYEVA A., INCE O., Sapmaz T., Kandemir G. N.
2. Ulusal Biyoyakıtlar Sempozyumu, Samsun, Turkey, 27 - 30 September 2016, pp.1
- XVIII. **Reduction and Biogas Recovery during Anaerobic Digestion of the X-Ray Contrast Agent Iopamidol**
Gömeç Ç., Arslan Alaton İ., Ölmez Hancı T.
3rd International Conference on Recycling and Reuse, İstanbul, Turkey, 28 - 30 September 2016, pp.1
- XIX. **SEYRELTİK TAVUK ATIKLARININ HAVASIZ ARITIMINDA BİYOGAZ POTANSİYELİ**
Jaxybayeva A., İNCE O., Sapmaz T., Kandemir N., GÖMEÇ Ç.
2. Ulusal Biyoyakıtlar Sempozyumu, Samsun, Turkey, 27 - 30 September 2016, pp.207-216
- XX. **Effect of Sludge Character and Minimization Techniques on Anaerobic Biodegradability.**
Çokgör E., Okutman Taş D., Gömeç Ç., Arıkan O. A., Cifci D., Gencsoy E., Ekdal A., Ölmez Hancı T.
EurAsia Waste Management Symposium, İstanbul, Turkey, 2 - 04 May 2016, pp.310-319

- XXI. **Case study on rubric based assessments for senior year Graduation Design Project and recommendations for improving the assessment tools**
DÜLEKGÜRGÜN E., KARAHAN ÖZGÜN Ö., GÖMEÇ Ç., Ünalan C.
2nd International Congress on Education, Innovation and Learning Technologies, Granada, Spain, 21 - 23 September 2015
- XXII. **Effect of Different Minimization Applications Prior to Anaerobic Sludge Digestion on Biogas Recovery and Dewaterability.**
Okutman Taş D., Gömeç Ç., Arıkan O. A., Cifci D., Gencsoy E., Ölmez Hancı T., Ekdal A., Çokgör E.
4th European Conference on Sludge Management, Izmir, Turkey, 26 - 27 May 2014, pp.100-105
- XXIII. **Stabilizasyon öncesinde farklı dezentegrasyon uygulamalarının arıtma çamurlarının susuzlaştırılabilirliği üzerindeki etkileri**
Gömeç Ç., Ekdal A., Ölmez Hancı T., Çokgör E.
5. Ulusal Atık Yönetimi Kongresi, Kocaeli, Turkey, 29 May - 01 June 2013, pp.383-394
- XXIV. **Towards sustainable sewage management by the application of a pilot-scale UASB reactor at sub-mesophilic operating temperatures**
GÖMEÇ Ç., Horasan B., Özerol T., DERELİ R. K., ERŞAHİN M. E., AYDIN A. F., ÖZTÜRK İ.
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- XXV. **Evsel Atıksu Arıtma Çamuru ve Organik Katı Atıkların Birlikte Arıtımı: Biyometan Potansiyeli ve Fizibilitesi**
Öztürk İ., Dereli R. K., Erşahin M. E., Altınbaş M., AYDIN A., Gömeç Ç., ARIKAN O.
Organik Atıklardan Kompost ve Yenilenebilir Enerji Üretimi & Kompostun Kullanım Alanları Çalıştayı, İstanbul, Turkey, 8 - 09 June 2010, pp.83-92
- XXVI. **Organik Katı Atıkların Havasız Arıtımı Yoluyla Biyometan Enerjisi Geri Kazanımı**
AYDIN A. F., Gömeç Ç., Çokgor E. U., İnsel H. G., Altınbaş M., Erşahin M. E., Arıkan O. A., Dereli R. K., BALABAN Ü., GÜLAY A., et al.
Kent Yönetimi, İnsan ve Çevre Sorunları Sempozyumu'08 Bildiriler Kitabı, İstanbul, Turkey, 2 - 06 November 2008, pp.135-143
- XXVII. **Mısır İşleme Endüstrisi Atıksularında Kimyasal Fosfor Gideriminde İşletme Optimizasyonu**
Gömeç Ç., Dereli R. K., Erşahin M. E., Öztürk İ.
İ.T.Ü. 11. Endüstriyel Kirlenme Kontrolü Sempozyumu Bildiriler Kitabı, İstanbul, Turkey, 11 - 13 June 2008, pp.187-194
- XXVIII. **Sludge conditioning, dewatering and composting experiences on a Wet Corn Milling Industry**
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- XXIX. **Comparative evaluation of methanogenic communities in psychrophilic and mesophilic UASB reactors treating domestic wastewater**
GOMEĆ C., EROĞLU V., Ozturk İ., CALLI B., MERTOĞLU B.
European Symposium on Environmental Biotechnology, Oostende, Belgium, 25 - 28 April 2004, pp.69-73
- XXX. **Problems Relating to High Silt and Ammonia in Tuzla (İstanbul) Central Wastewater Treatment Plant**
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- XXXI. **Advanced Biological and Physicochemical Treatment Experiences on Municipal Landfill Leachates**
Öztürk İ., ALTINBAS M., koyuncu İ., Gömeç Ç.
Turkish-German Symposium on Recent Advances in Wastewater Treatment, Izmir, Turkey, 10 - 12 October 2001
- XXXII. **Katı atık sızıntı sularının evsel atıksularla birlikte havasız arıtımı**
Gömeç Ç., YILMAZ S., ALTINBAS M., Öztürk İ.
1. Ulusal Çevre Kirliliği Kontrolü Sempozyumu, Ankara, Turkey, 4 - 06 October 2000

Supported Projects

Gömeç Ç., Engiz G., Project Supported by Higher Education Institutions, Havalimanlarında Ortaya Çıkan Buz Çözücü Sıvı İçerikli Atıksuların Yüksek Hızlı Anaerobik Sistemde Arıtılabilirliği: Optimum Oranda Biyogaz Potansiyeli ve Enerji Geri Kazanımının Araştırılması, 2018 - 2019

Gömeç Ç., Pekyavaş G., Project Supported by Higher Education Institutions, Tavuk Atıklarının Havasız Stabilizasyonu Sonrasında Anaerobik Amonyak Giderimi ile Biyogaz Geri Kazanımının Araştırılması, 2017 - 2018

Gömeç Ç., Project Supported by Higher Education Institutions, Yüksek Azot İçerikli Tavuk Atıklarının Havasız Arıtımında Rol Alan Mikrobiyal Türler ile Biyogaz Potansiyelinin Belirlenmesi, 2016 - 2018

Gömeç Ç., Project Supported by Higher Education Institutions, Doğal Ortam Sıcaklığında Seyretilik Kanathı Hayvan Gübresinin Yenilenebilir Enerji Potansiyelinin Araştırılması, 2016 - 2018

Gömeç Ç., Project Supported by Higher Education Institutions, Havasız Çamur Stabilizasyonu Öncesinde Farklı Dezintegrasyon Uygulamalarının Biyogaz Geri Kazanımı ve Susuzlaştırılabilirlik Üzerindeki Etkileri, 2014 - 2018

Gömeç Ç., Project Supported by Higher Education Institutions, Mutfak Atıkları Arıtma Çamuru ve UF/NF Membran Biyokültlesini Kapsayan Entegre Kentael Atıksu Arıtımı, 2013 - 2018

Gömeç Ç., Project Supported by Higher Education Institutions, Yardımcı Substrat ile Farklı Tipte Hayvan Atığının Birlikte Arıtımında Biyogaz Geri Kazanım Yaklaşımları, 2012 - 2018

Gömeç Ç., Project Supported by Higher Education Institutions, türkiyedeki bir Besi Organize Sanayi Bölgesinde Üretilen Hayvansal Atığın Arıtıldığı Bir Merkez biyogas Tesisinde Biyometan Geri Kazanımı, 2011 - 2018

Gömeç Ç., Project Supported by Higher Education Institutions, EVSEL ATIKSULARIN ARITILDIĞI FARKLI AŞI ÇAMURU İHTİVA EDEN VE DOĞAL ORTAM SICAKLIĞINDA İŞLETİLEN HAVASIZ ÇAMUR YATAKLI REAKTÖRLERİN PERFORMANSLARININ DEĞERLENDİRİLMESİ, 2010 - 2018

Gömeç Ç., Project Supported by Higher Education Institutions, FARKLI Şİ ÇAMURU İHTİVA EDEN HAVASIZ PERDELİ REAKTÖRLERDE EVSEL ATIKSULARIN ARITILABİLİRLİĞİ, 2009 - 2018

Gömeç Ç., Project Supported by Higher Education Institutions, Advanced oxidation treatment of physico-chemically pre-treated olive mill industry, 2006 - 2018

Gömeç Ç., Project Supported by Higher Education Institutions, Tavuk Atıklarının Havasız Arıtımında Optimum Katı Madde Yükleme Oranının Araştırılması, 2016 - 2016

Gömeç Ç., Project Supported by Higher Education Institutions, Tavuk Atıklarının Havasız Arıtımı Sonrasında Anammox Yolu ile Amonyak Gideriminin Araştırılması, 2015 - 2016

Gömeç Ç., Project Supported by Higher Education Institutions, Tavuk Atıklarının Farklı Aşı Çamuru İçeren Reaktörlerde Havasız Arıtılabilirliklerin Karşılaştırırmalı Olarak değerlendirilmesi, 2011 - 2013

Gömeç Ç., Project Supported by Higher Education Institutions, Hayvan Atıklarının Farklı Bir Substrat Kaynağı İle Birlikte Havasız Arıtımının İncelenmesi, 2010 - 2013

Gömeç Ç., Project Supported by Higher Education Institutions, Evsel Atık Suların Doğal Ortam Sıcaklıklarında Havasız Perdeli Reaktörlerde Arıtımı ve İlave Kimyasal Arıtma Uygulamaları, 2008 - 2009

Gömeç Ç., Project Supported by Higher Education Institutions, Evsel Atıksuların Doğal Ortam Sıcaklıklarında Havasız Çamur Yataklı Reaktörlerde Arıtımı ve İlave Kimyasal Arıtma Uygulamaları, 2008 - 2008

Metrics

Publication: 83

Citation (WoS): 236

Citation (Scopus): 316

H-Index (WoS): 7

H-Index (Scopus): 8

Congress and Symposium Activities

- 5th International Conference on Sustainable Solid Waste Management, Attendee, Athína, Greece, 2017
10. Uluslararası Temiz Enerji Sempozyumu (UTES'16) - 10. International Clean Energy Symposium (ICES'16), Attendee, İstanbul, Turkey, 2016
2. Ulusal Biyoyakıtlar Sempozyumu, Attendee, Samsun, Turkey, 2016
- 3rd International Conference on Recycling and Reuse, Attendee, İstanbul, Turkey, 2016
- 3rd International Conference on Recycling and Reuse, Session Moderator, İstanbul, Turkey, 2016
- 18th International Conference on Energy and Environment - ICEE 2016, Attendee, Lisboa, Portugal, 2016
- International Congress on Education, Innovation and Learning Technology - ICEILT 2015, Attendee, Granada, Spain, 2015
- Atıksu İhtisas Eğitimi, Invited Speaker, Ankara, Turkey, 2015
- Atıksu Arıtma Tesisi İşletilmesinde Karşılaşılan Sorunlar ve Çözüm Yolları Eğitimi, Invited Speaker, İstanbul, Turkey, 2014
- 4th European Conference on Sludge Management-ECSM 2014, Attendee, İzmir, Turkey, 2014
- MESAEP'2013 with focus on Impact of Climate, Attendee, İstanbul, Turkey, 2013
- II. European Workshop on Renewable Energy Systems (EWRES), Invited Speaker, Antalya, Turkey, 2013
- II. European Workshop on Renewable Energy Systems (EWRES), Session Moderator, Antalya, Turkey, 2013
- 1st International IWA Conference on Holistic Sludge Management, Attendee, Västerås, Sweden, 2013
- Istanbul International Solid Waste, Water and Wastewater Congress 2013, Attendee, İstanbul, Turkey, 2013
- İ.T.Ü. 13. Endüstriyel Kirlenme Kontrolü Sempozyumu, Session Moderator, İstanbul, Turkey, 2012
- EWRES - The European Workshop on Renewable Energy Systems, Attendee, Antalya, Turkey, 2012
- EWRES - The European Workshop on Renewable Energy Systems, Session Moderator, Antalya, Turkey, 2012
- 8th IWA Int. Sym. on Waste Management Problems in Agro-Industries, Attendee, İzmir, Turkey, 2011
- Sürdürülebilir Ekosistem Günleri (SEG'11), Invited Speaker, İstanbul, Turkey, 2011
- Third International Symposium on Energy from Biomass and Waste, Attendee, Venezia, Italy, 2010
- IWA Specialist Conference on Water and Wastewater Treatment Plants in Towns and Communities of the XXI Century: Technologies, Design and Operation, Attendee, Moskva, Russia, 2010
- 15th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region With Focus on Environmental Threats in the Mediterranean Region: Problems and Solutions, Attendee, Bari, Italy, 2009
- 2nd IWA Specialized Conference on Nutrient Management in Wastewater Treatment Processes, Attendee, Kraków, Poland, 2009
- TÜRKAY 2009 – Türkiye'de Katı Atık Yönetimi Sempozyumu, Attendee, İstanbul, Turkey, 2009
- İ.T.Ü. 11. Endüstriyel Kirlenme Kontrolü Sempozyumu, Attendee, İstanbul, Turkey, 2008
- 14th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region, Attendee, Sevilla, Spain, 2007
- TÜRKAY 2007 – AB Sürecinde Türkiye'de Katı Atık Yönetimi ve Çevre Sorunları Sempozyumu, Attendee, İstanbul, Turkey, 2007
- IWA Specialist Conference of Facing Sludge Diversities: Challenges, Risks and Opportunities,, Attendee, Antalya, Turkey, 2007
- The 7th International Symposium on Waste Management Problems in Agro-Industries, Attendee, Amsterdam, Netherlands, 2006
- Euro-Mediterranean Regional Programme for Local Water Management, Invited Speaker, İstanbul, Turkey, 2006
- 4th International Symposium on Anaerobic Digestion of Solid Waste, Attendee, København, Denmark, 2005
- European Symposium on Environmental Biotechnology, Attendee, Oostende, Belgium, 2004
- 2nd IWA Young Researchers Conference, Attendee, Netherlands, 2004
- 12th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region: Appropriate Solutions for Environmental Problems in Emerging Economies, Attendee, Antalya, Turkey, 2003
2. Ulusal Çevre Kirliliği Kontrolü Sempozyumu, Attendee, Ankara, Turkey, 2003
- 5th Specialised Conference on Small Water and Wastewater Treatment Systems, Attendee, İstanbul, Turkey, 2002
- 3rd International Symposium on Anaerobic Digestion of Solid Wastes, Attendee, München, Germany, 2002
- 1st IWA Young Researchers Conference, Attendee, United Kingdom, 2002
- Third Black Sea International Conference Environmental Protection Technologies for Coastal Areas, Attendee, Varna, Bulgaria, 2001

Scholarships

Araştırma Görevlileri ve Doktora Öğrencilerine verilen burs, Special Institutions and Organizations, 2001 - Continues
Doktora Tez Çalışması/Münih Teknik Üniversitesi/Münih/Almanya, TUBITAK, 2004 - 2004
Araştırmacı Doktora Öğrencisi, Other International Organizations, 2000 - 2000

Awards

Gömeç Ç., Çevre Ödülleri - 2018; Özel Kategori: Akademisyen, İstanbul Sanayi Odası, December 2018
Gömeç Ç., Bilim Hizmet Ödülü, Çevre Sorunları Araştırma ve Uygulama Merkezi ile Mühendislik Fakültesi Yönetim Kurulları; Akdeniz Üniversitesi, April 2017

Non Academic Experience

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