

 Prof. Dr. Orhan İNCE


Istanbul Technical University
 Faculty of Civil Engineering
 Environmental Engineering Department
 Ayazaga Campus
 34469 Maslak İstanbul
 e-posta: inceor@itu.edu.tr
 Telefon/Fax: +90 212 2856570
 Mobile: +90 542 3172080
<http://faculty.itu.edu.tr/inceor/>
<http://www.meg.boun.edu.tr>
<http://www.engy.com.tr>

Prof.Dr.Orhan İnce is the faculty member of Environmental Engineering Department of ITU and the founding partner of ENGY Environment and Energy Technologies Biotechnology R&D Company established in 2011 in BUN Teknopark at Boğaziçi University, and is the director of R&D Division.

Prof.Dr.Orhan İnce graduated from ITU Faculty of Civil Engineering, Department of Environmental Engineering in 1986. In 1989 he received the title of Senior Engineer from the same department. He completed his PhD in 1994 at the Department of Environmental Engineering at Newcastle upon Tyne University (England). He became Associate Professor in 1995 and Professor in 2004. He is still working as a Professor in ITU Environmental Engineering Department. He has been involved in technical studies within the scope of AR-GE projects at prominent universities of America (University of California-Berkeley, University of Texas at Austin, University of Wisconsin-Madison, Purdue University, Iowa State University, etc.). He has worked as an Advisor to ITU Rector, ITU-Montana-State University (USA) Co-Founder and Co-President of International Joint Bachelor of Science in Bioengineering, Deputy Head of ITU Environmental Engineering Department and Coordinator of ITU Environmental Biotechnology Graduate Program. He is currently the chair of the Istanbul Technical University Microbiological Ecology Group (MEG) and the co-chairman of the ITU-Boğaziçi University Microbial Ecology Group (MEG).

Prof.Dr.Orhan İnce has managed and supervised over 300 scientific research and applied projects in the fields of environment and energy technologies biotechnology defined below.

- ✓ Environment and Energy Investment Consultancy
- ✓ Environmental Infrastructure and Energy Plant Audits
- ✓ Integrated Watershed Management
- ✓ Water and Wastewater Management
- ✓ Solis and Hazardous Wastes Management
- ✓ Waste and Treatment Sludge Management
- ✓ Design, Control and Operation of Treatment Systems
- ✓ Waste to Energy Technologies
- ✓ Industrial Pollution and Control
- ✓ Preparation of Environmental Master Plans



- ✓ Determination of Flood Risks, Creation of Engineering Solutions and Design of Engineering Structures
- ✓ Protection of Natural Ecosystems
- ✓ Environmental Impact Assessment and Risk Evaluation
- ✓ Environmental Legislation Trainings
- ✓ Establishment of Environmental Laboratories and Accreditation-17025 Standard
- ✓ Preparation of Emergency Action Plans
- ✓ Preparation of Application Projects
- ✓ Carbon Inventories and Carbon Footprint Studies
- ✓ Preparation of AR-GE Projects in Environment, Energy Technologies and Biotechnology Fields
- ✓ Identification of Microorganisms and Pathogenic Organisms in Wastewater, Wastewater, Soil and Mud and Food Products by Morphological, Physiological and Molecular Methods and Development of Rapid Detection Kits

Prof.Dr.Orhan Ince has published over 400 articles, papers and technical reports and has been cited over 1,500. He currently has 2 TUBITAK project includes 1 international project (COST-Cooperation in Science and Technology) as executive manager and 1 TUBITAK project as advisor. Prof. Ince has worked as consultant for environment and energy investments for the companies including Unilever, Kuyumcukent, Eczacıbaşı, Kolin Construction, Bekay Construction and etc. Over the past few years, consultancy services have been provided for environmental infrastructure facilities for a total investment of over EUR 1 billion. In the past 10 years, 17 national and 8 international applied trainings, scientific and technical meetings have been organized for the applications of environmental, energy and molecular techniques in the field of biotechnology. There are over 1100 researchers and engineers from 22 different universities, 15 different countries and private sectors joined in these trainings and meetings. In this context, it has been pioneered in this country to create a platform where information and experience sharing can be actively carried out.

2

Prof.Dr.Orhan Ince founded ENGY Environment and Energy Technologies Biotechnology R&D company in 2011 at Boğaziçi University BUN Technopark. The purpose of ENGY is to provide consultancy services for field engineering, to develop R&D projects for environmental, energy and biotechnology investments and creating the most suitable but economically achievable solutions in these fields by evaluating the knowledge and experiences of qualified experts with the use of the Universities's infrastructure facilities and site engineers. Currently, 1 patent has been granted and international patent applications have been made for 9 inventions that have been completed and passed pre-evaluation stages. In addition, a total of 332 non-cultured microorganisms have been identified and registered with international Gene Banks (www.ebi.ac.uk).

References to the works defined by the brief resume above are detailed below.

<http://akademi.itu.edu.tr/inceor/>

<http://akademi.itu.edu.tr/inceor/Yayinlar/Makale>

<http://akademi.itu.edu.tr/inceor/Yayinlar/Bildiri>

<http://akademi.itu.edu.tr/inceor/AkademikBilgiler/Projeler>

<http://akademi.itu.edu.tr/inceor/AkademikBilgiler/Danismanliklar>

<http://engy.com.tr/>

<http://meg.boun.edu.tr/>

<http://calismagruplari.itu.edu.tr/i-n%C5%9Faat-fak%C3%BCitesi/mikrobiyal-ekoloji-grubu>

References to the work described above with the brief resume above are detailed below.

ACADEMIC TITLES AND DEGREES

2004-	Professor
1995-2004	Associate Professor
1990-1994	Doctorate, Environmental Engineering Department University of Newcastle upon Tyne, U.K.
1987-1989	MSc, Environmental Engineering Department, ITU
1982-1986	BSc, Environmental Engineering Department, ITU

EXISTING AND ADMINISTRATIVE ADMINISTRATIVE AND ACADEMIC OFFICES

Executive Committee Member (2012-Present) EU COST Action-Water 2020
ITU Microbial Ecology Group Executive
ITU Coordinator (2003-2004) - ITU Scientific Research Projects
ITU Founding President- ITU-Montana State University (USA) Bioengineering International
Joint Degree Program
Coordinator (2004-2008) - Environment Biotechnology Executive Board
Chairman (2004-2008) - Environment Biotechnology Proficiency Committee
Deputy Head of Department (1996-1999) - Department of Environmental Engineering, ITU
Assistant Editor-International J.of Chemical, Environmental and Pharmaceutical Research
Project Statement - Ministry of Industry and Trade SAN-TEZ
Scientific Board Member- VII National Ecology and Environment Congress, 2007
Scientific Board Member- İTÜ 10th Industrial Pollution Control Symposium
Chief Auditor, Technical Supervisor - Turkish Accreditation Authority (TÜRKAK)
Auditor - National Engineering Programs Evaluation Board Member, MÜDEK
Chairperson of the Organizing Committee- ITU 9th Industrial Pollution Symposium
Commission Member - Preliminary Evaluation of the Section Board, ITU
Commissioner-ABET 2000
Referee: TÜBİTAK
Referee: IAWQ, Water Research
Referee: IAWQ, Environmental Biotechnology Conference, 2003
Referee: IAWQ Biennial International Conference, 1998
Referee: İstanbul Ticaret Üniversitesi Magazine
Referee: Water Pollution Investigations Turkish National Committee
Referee: Anadolu University Journal of Science and Technology
Referee: Uludağ University, Faculty of Engineering and Architecture Journal
Member of Editorial Board: Journal of Chemistry
Assistant Editor: International Journal of Process Wastes Treatment
Member: Sustainable Technology Conference for Environmental Protection, International
Technical Committee, India, 2006

SCIENTIFIC AND TECHNOLOGICAL R&D PROJECTS

- 2017- : Executive, TÜBİTAK, Improving antibiotic biodegradation and biogas production capacity in two stage anaerobic bioreactor by using anaerobic fungus species
- 2017- : Advisor, TÜBİTAK, Investigation of Active Microbial Community in Anaerobic and Aerobic Biofilm Layer, and Determination of Potential of Biological Cleaning Agents in Prevention of Biofilm Layer and Antibiotic Resistance Development
- 2016-: Executive, TÜBİTAK 2525, Turkish-German Joint Project. Improvement of Anaerobic Biodegradation Efficiency of Petroleum Derivatives Waste - ZERO WASTE
- 2016 - : Coordinator, BAP, PhD Thesis Support Program Projects, Determination of the Effects of Specific Cellulolytic Bacteria on Biomethane Production and Microbial Community Dynamics in Anaerobic Digestors
- 2016-2017: ENGY, Determination of Engineering Data Based on Basic Principles and Design of Biological Treatment of Wastewaters Containing Detergent by Using Aerobic and Anaerobic Fungus, R&D Project
- 2015-2017: Advisor, BAP, Investigation of Ammonia Removal by Anammox Process after Anaerobic Treatment of Chicken Wastes
- 2015-2016: ENGY, Establishment of Data Based on the Design of Rotary Furnace System for Reducing of Hazardous / Non-hazardous Treatment Sludges into Fine Particles and Granules by drying method, R&D Project
- 2014 – 2017: Advisor, TÜBİTAK, Comparison of Energy Potential of Olive Mill Wastewater by Using Two-Phase Anaerobic Systems and Electrohydrolysis Methods
- 2014-2017: Advisor, TÜBİTAK, Enhancement of Biomethane Efficiency in Anaerobic Reactors Using Specific Rumen Bacteria and Hydrolysis Enzymes
- 2014-2016: ENGY, Development of Automated Molecular Analyzers and Kits for Rapid Detection of Hospital Infection Factors, R&D Project
- 2014-2015: ENGY, Determination of Design Principles for the Treatment of Detergent Factory Wastewater by Advanced Generation Technologies and Enhancing Energy Efficiency, R&D Project
- 2014: ENGY, System Development for Raw Material and Water Recovery and Reduction of Energy Consumption in Sustainability in ALGİDA Ice Cream Factory Pilot R&D Facility, R&D Project
- 2014-2016: Researcher, TÜBİTAK, Development of a Fast and Economical Molecular-Based System for the Detection of Hospital Infections
- 2014-2016: Coordinator, BAP, Master Thesis Support Program Projects, Development of PMA - QPCR Based Early Pathogen Detection System in Water Distribution Networks
- 2013-2016: Executive, TÜBİTAK, A Method for Fast Species Detection in the Black Sea Zooplankton.
- 2013-2016: Advisor, TÜBİTAK, Determination of Genetic Interaction and Variation by Molecular Markers between Natural and Cultured Populations of Sea Bream (*Sparus aurata*), Sea Bass (*Dicentrarchus labrax* L.), Common Dentex (*Dentex dentex*) and Sharpnose Seabream (*Diplodus puntazzo*) Fishes, and Estimation of Future Situation by Artificial Neural Network
- 2013-2015: Researcher, ENGY, Development of a PCR-based Kit for the Detection of Beta Hemolytic Streptococcus in Group A of the Throat Swab

- 2013-2014: ENGY, R & D Project for Development of Domestic Compost System for Domestic (Kitchen) and Park Garden Wastes
- 2013-2014: ENGY, Determination of Flood Risks by Model Design, R&D Project
- 2013-2014: ENGY, Determination of the Design Principles of Wastewater Treatment Technologies Using and Applicable to Renewable Energy Sources for Distributed Settlements
- 2013: Coordinator, BAP, Master Thesis Support Program Projects, Determination of the effect of antibacterials and antibiotics on anaerobic metabolic pathways and examination of the formation of antibiotic resistance
- 2013: Coordinator, BAP, Master Thesis Support Program Projects, Determination of Inhibitory and Ecotoxicological Effects of Anaerobic Treatment Waters of Wastewaters Containing Antibiotics
- 2012-2013: Researcher, ENGY, Kit Development for Increasing Sensitivity and Reducing Cost in Fluorescent On-Site Hybridization (FISH) Applications
- 2012-2013: Researcher, ENGY, Kit Development for Increasing Sensitivity and Reducing Cost in Real Time PCR (QPCR) Applications
- 2012-2013: ENGY, Development of a PCR-Based Kit for the Detection of Beta Hemolytic Streptococcus in Group A in the Throat Swab, R&D Project
- 2012 - 2015: Coordinator, BAP, Master Thesis Support Program Projects, Treatment of Oil-Containing Refinery Sludge
- 2012-2014: ENGY, Development of PCR Based Systems for Detection of Hospital Infection Factors, R&D Project
- 2011-2014: Advisor, TÜBİTAK, Investigation of the Effect of Ultrase Process on System Dynamics in Anaerobic Treatment of Olive Oil Wastewater
- 2011-2014: Project Manager, European Cooperation in Science and Technology (COST) Project, TÜBİTAK, Determination of the Effect of Metabolic Pathways on the Anaerobic Treatment of Wastewaters Containing Antibacterial and Antibiotic and the Relationship with Antibiotic Resistance Genes
- 2011-2013: ENGY, Evaluation of Bioenergy Production Potentials of Turkey's Animal and Agricultural Wastes and Development of Anaerobic Treatment Strategies, R&D Project
- 2011-2013: ENGY, Investigation of Appropriateness of Technological and Economical Application of Unilever Algida Ice Cream Factory Wastewater Treatment by New Generation Biological Treatment Systems, R&D Project
- 2011-2012: ENGY, Unilever R & D Project for Reducing Environmental Impact
- 2011: Coordinator, BAP, Master Thesis Support Program Projects, Investigation of Effects of Oxytetracycline on Microbial Population and Biogas Production Efficiency in Thermophilic Anaerobic Digestors Fed by Cattle Manure
- 2011: Coordinator, BAP, Master Thesis Support Program Projects, Determination of Multiple Acute Effects on Methanogenic Pathways of Antibiotic Wastewaters
- 2010-2012: Advisor, TÜBİTAK, Investigation of the effect of veterinary antibiotics on animal-free biodegradable airless digestion systems and investigation of the resistance genes created in the receiving environment
- 2010: Coordinator, BAP, Master Thesis Support Program Projects, Disposal of Domestic Wastewater Treatment Plant Sludges in Anaerobic Digestion and Evaluation of the Effect of Different Operating Conditions on Microbial Communities

- 2009-2010: Executive, TUBITAK, Determination of Stimulation / Inhibition / Toxicity Effects of Anoxic and Anaerobic Biodegradable Capacities of Antibiotics and Mixed Microbial Culture
- 2008-2010: Advisor, TÜBİTAK, Detection of Some Indicator and Pathogenic Bacteria in Raw Poultry Meat and Minced Meat by Using Fluorescent In Situ Hybridization (FISH) Method
- 2008-: Co-consultant, TUBA, Assessment of Biodegradability Characteristics of Xenobiotics and Toxicity / Inhibition Effects on Mixed Microbial Culture
- 2007-2008: Project Executive, ITU Research Fund, Bacterial Variety in Nitrification Systems of Sludge Age and Impact on Purification System Stability
- 2007-2010: Co-Operator, TUBITAK, Determination of the Interaction of Anaerobic Treatment of Industrial Wastewaters Containing Organic Solvents with System Dynamics by Using Molecular Methods
- 2006-2009: Project Leader, TUBITAK, Determination of Microbial Compostion and Anaerobic Petroleum Degradation Capacities of Anoxic Marine Sediments
- 2004: Project Leader, ITU Research Fund, Identification of Microbial Species Active in Anaerobic Treatment of Sulphated Wastewaters by FISH Method and Optimization of Biogas Production
- 2004: Co-curator, ITU Research Fund, Optimization of Biological Treatment Systems for Bioplastic Production, Recovery and Economic Analysis
- 2004: Project Leader, ITU Institute of Science and Technology, Characterization Of Methane Species Which Are Active In Anaerobic Treatment Of Liquor Industry Wastewaters Using Fluorescence In Situ Hybridization Technique
- 2003: Project Manager, ITU Institute of Science and Technology, Hybrid System Powder Activated Carbon / Crossflow Microfiltration Technology and Modeling of Heavy Metal from Heavy Media
- 2003-2004: Project Manager, ITU Institute of Science and Technology, Determination of Species and Numbers of Nitrification Responsible Bacteria in Activated Sludge Systems Using Fluorescent in situ Hybridization Technique (FISH)
- 2000-2003: Project Manager, TUBITAK, 16S rDNA Analysis of Methane Bacteria Effective in Anaerobic Treatment
- 2000-2004: Project executive, ITU Institute of Science and Technology, Identification of Bacteria Effective in Two-Phase Anaerobic Treatment of Drug Wastewater
- 1999-2001: Researcher, Boğaziçi University Research Fund, Determination of Composition, Number and Activities of Methane Producing Species in Anaerobic Processes
- 1997-2000: Researcher, TUBITAK-ITU-NATO CCMS, Ecosystem Modeling for Coastal Lagoons for Sustainable Management
- 1997-2004: Project Manager, ITU Research Funding, Determination of the Potential Loading Capacity of the Anaerobic Treatment System Using Specific Methane Activity Test
- 1997-1999: Co-Operator, Boğaziçi University Research Funding, Determination of Optimum Operating Conditions in Two-Phase Anaerobic Increase of Wastewaters of Pharmaceutical Industry
- 1997-1999: Co-Director, Boğaziçi University Research Fund, Leakage Water Recirculation and Stabilization of Urban Depot Fields
- 1994-1996: Researcher, Preservation of Existing Potential Water Resources of the Republic of Turkey Ministry of Environment Istanbul: Protection of the Great Melen, Alaçalı, Yeşilçay and Istanca Basins, Hydrology and Eutrophication Control

- 1994-1996: Researcher, Turkish Republic of Turkey Ministry of Environment Preservation of Potential Water Resources in Istanbul: Alibeyköy Basin Conservation Plan; Mathematical Model, Hydrology and Eutrophication Control
- 1994-1996: Researcher, Republic of Turkey Ministry of Environment Preservation of Potential Water Resources in Istanbul: Sazlıdere Basin Conservation Plan, Hydrology and Eutrophication Control
- 1994-1996: Researcher, Ministry of Environment of Turkey Istanbul Preservation of Potential Water Resources: Darlık Basin Conservation Plan; Mathematical Model, Hydrology and Eutrophication Control
- 1994-1995: Researcher, Water Quality Monitoring Studies for İSKİ Riva (Black Sea) and Büyükçekmece (Marmara Sea) Discharges
- 1994-1995: Researcher, İSKİ Riva and Büyükçekmece Exit Sea Region Review
- 1994-1995: Researcher, Republic of Turkey Ministry of Environment Preservation of Potential Water Resources in Istanbul: Elmalı Basin Conservation Plan, Hydrology and Eutrophication Control
- 1994-1995: Researcher, Republic of Turkey Ministry of Environment Preservation of Potential Water Resources in Istanbul: Terkos Basin Conservation Plan; Mathematical Model, Hydrology and Eutrophication Control
- 1994-1995: Researcher, Republic of Turkey Ministry of Environment Preservation of Present Potential Water Resources in Istanbul: Büyükçekmece Lake Conservation Plan; Mathematical Model, Hydrology and Eutrophication Control
- 1994-1995: Researcher, Ministry of Environment of the Republic of Turkey, Sapanca Lake as a water source; Mathematical Model, Hydrology and Eutrophication Control
- 1993-1994: Project Advisor, Newcastle University, UK Treatment of wastewater containing high ammonia by using biodiscs
- 1993-1994: Project Advisor, Newcastle University, UK Treatment of leachate from the landfill in North Quarry
- 1993-1994: Project Leader, Newcastle University, UK Purification of leachate from battery storage area
- 1993-1994: Researcher, Preservation of Present Potential Water Resources of Istanbul Republic of Turkey Ministry of Environment; Ömerli Dam Lake Urgent Action Plan; Mathematical Model, Hydrology and Eutrophication Control
- 1991-1992: Project Advisor, Newcastle University, UK Comparison of performance of airless filters filled with porous and nonporous materials
- 1989-1990: Project Advisor, Newcastle University, UK Purification of industrial wastewater using an airless upstream filter
- 1989-1990: Project Advisor, Küçükçekmece Municipality, Istanbul Water Quality Management and Eutrophication Control in Drainage District of Küçükçekmece Lake Using Mathematical Model

THESIS COMPLETED IN CONSULTANCY

Doctoral Theses

- SHAHI AIYOUB, (2016). Development of effective molecular approach for determination of the biodegradation potential of petroleum contaminated soil, Istanbul Technical University-> Institute of Natural and Applied Sciences, Department of Environmental Engineering
- Sevcan Aydin, "Combined Effects of Antibiotics on the Anaerobic Microbial Community Structure, Investigation of Metabolites and Antibiotic Resistance Genes", Institute of Science and Technology, 07/2015
- Zeynep Çetecioglu, "Evaluation of Anaerobic Biodegradability Characteristics of Antibiotics and Toxic / Inhibitory Effect on Mixed Microbial Culture", Institute of Science, 2011
- Mustafa Kolukirik, "Nutrient Enhanced Bioremediation of Petroleum Hydrocarbons in Anoxic Sediments from Marmara Sea", Science and Technology Institute, 09/2010
- Bertan Basak, "Comparative evaluation of microbial diversity and PHA storage ability under activated sludge under different operating conditions", Institute of Science and Technology, 01/2010
- Coşkun Aydiner, "Nickel removal from aqueous media by hybrid microfiltration technology", Institute of Science, 2006
- Yalçın Öktem, "Comparison of system performances in single and two stage anaerobic treatment of drug wastewater", Institute of Natural and Applied Sciences, 2003

MSc Theses

- Ecem Öner, "Lignoselülozik İçerikli Biyokütle ile Beslenen Anaerobik Çürütücülerde Clostridium Thermocellum'un Biyogaz Üretimine Etkisi", Fen Bilimleri Enstitüsü, 2017
- Orçun Leblebici, "Evaluation of Wastewater Treatment Technologies Using Renewable Energy for Dispersed Settlements: Storm Valley Ardeşen - Çamlıhemşin Pilot Region Application", Fen Bilimleri Enstitüsü, 2017
- JAXYBAYEVA AIM, (2014). Anaerobic treatment of diluted waste from poultry industry and quantification of microbial communities, Istanbul Technical University-> Institute of Science-> Environmental Engineering Department
- Gözde Özbayram, "Determination of the Synergistic Effects of Antibiotics on Methanogenic Pathway", Institute of Science, 2012
- Fulya Süzen, "Impacts of Oxytetracycline on Performance of Thermophilic Anaerobic Manure Digestors and Active Microbial Population", Institute of Natural and Applied Sciences, 2012
- Neşe Coşkun, "Determination of Biodegradation Capacity of Erythromycin Under Anaerobic and Anoxic Conditions", Institute of Science, 2011
- Bahar Öztuluğ, "Competition of Sulfate Reducing Bacteria and Methanogens in Anoxic Marmara Sea Sediments", Natural Sciences, 2010
- Selda Bayır Demircioğlu, "Determination of PAH Pollution and Anaerobic PAH Degradation Activity in Marmara Sea Sediment", Institute of Natural and Applied Sciences, 2011
- Nazlı Gökçek, "Determination of anaerobic and anoxic biodegradation capacity of sulfamethaxazole and the effects on mixed microbial culture", Institute of Natural and Applied Sciences, 2010



- Canan Ketre, "Anaerobic BTEX degrading microorganism abundances in Marmara Sea Sediments", Science and Technology, 2010
- Ezgi Demir, "Anoxic Nitrogen Cycling in Marmara Sea Sediments", Natural Sciences, 2010
- I. Handan Eksi, "Local and Seasonal Changes in Microbial Diversity in Marmara Sea Sediments", Science and Technology, 2010
- Samet Azman, "Determining the identity of anaerobic hydrocarbon degraders in Tuzla and Halic Bay sediments", Institute of Natural and Applied Sciences, 2010
- Şükriye Çelikkol, "Changes in archaeal and bacterial rRNA gene sequences in a real-scale anaerobic reactor", Institute of Science and Technology, 2007
- Sevgi Ulugöl, "Distribution, Dynamics and Activity of Methane Arsenic Population in Real Scale Mixed Airless Contact Reactors to Purify Paper Industry Wastewaters", Institute of Natural and Applied Sciences, 2006
- Cemile Akpınar, "Determination and identification of sulphate reducing bacterial populations in Marmara Sea anoxic sediments using fluorescently labeled oligonucleotide probes", Institute of Science and Technology, 2006
- Ayşegül Deniz, "Fluorescence in situ hybridization analysis of methanolic archaeal populations in anoxic sediments of the Marmara Sea", Institute of Natural and Applied Sciences, 2006
- Zeynep Çetecioglu, "Investigation of archaeal and bacterial diversity in anoxic sediment from Marmara Sea", Institute of Natural and Applied Sciences, 2006
- Mustafa Kolukırcık, "Determination of argyly population dynamics in real-scale upflow anaerobic reactors refining wastewater from alcoholic beverage industry by fluorescence in situ hybridization technique", Institute of Natural and Applied Sciences, 2004
- Özge Eyice, "Determination of nitrification bacteria in a real-scale activated sludge plant using fluorescence in situ hybridization technique", Institute of Science and Technology, 2004
- Bengü Koçarslan, "Determination of the numbers and activities of species which are active in the anaerobic treatment of wastewater of alcoholic beverage industry", Institute of Natural and Applied Sciences, 2002
- Nilay Çakır, "Transition from the Turkish Straits - Environmental dimension of international contracts and national legislation", Institute of Natural and Applied Sciences, 2002
- Nilay Sayı, "Determination of the microbial species dynamics of the Golden Horn bottom mud on morphological and physiological basis", Institute of Natural and Applied Sciences, 2002
- Özgür Karadede, "Determination of potential loading capacity of anaerobic digestion system using specific methane activity test", Institute of Natural and Applied Sciences, 2001
- Özden Davaslıgil, "Preliminary approach for evaluation of water quality of Terkos Lake", Institute of Natural and Applied Sciences, 1998

INTERNATIONAL PUBLICATIONS

- G. Türker, Ç. Akyol, O. İnce, S. Aydın, B. İnce, "Operating conditions influence micro community structures, elimination of the antibiotic resistance genes and metabolites du anaerobic digestion of cow manure in the presence of oxytetracyclin", Ecotoxicology environmental safety, No. 147, 2018, s. 349-356
- M. Bozan, Ç. Akyol, O. İnce, S. Aydın, B. İnce, "Application of next generation sequen methods for microbial monitoring of anaerobic digestion of lignocellulosic biomass", Ap Microbiology and Biotechnology, No. 101, 08/2017, s. 6849-6864

- A. Shahi, S. Aydın, B. Ince, O. Ince, "The effects of white-rot fungi *Trametes versicolor* and *Bjerkandera adusta* on microbial community structure and functional genes during the bioaugmentation process following biostimulation practice of Petroleum Contaminated Soil ", *INTERNATIONAL BIODETERIORATION & BIODEGRADATION*, No. 114, 01/2017, s. 67-74
- E. Yıldırım, O. Ince, S. Aydın, B. Ince, "Improvement of Biogas Potential of Anaerobic Digesters Using Rumen Fungi, Renewable Energy", *Renewable Energy*, Vol. 109, 2017, s. 346-353, DOI:10.1016/j.renene.2017.03.021
- A. Shahi, B. Ince, S. Aydın, O. Ince, "Assessment the Horizontal Transfer of Functional Genes as a Suitable Approach for Evaluation the Bioremediation Potential of Petroleum Contaminated Sites", *Applied Microbiology and Biotechnology*, Vol. 101, No. 11, 2017, s. 4341-4348
- E. Yıldırım, O. Ince, B. Ince, S. Aydın, "Biomethane production from lignocellulosic biomass enhanced by bioaugmentation with anaerobic rumen fungi", *Process Biochemistry*, 02/2017, DOI: 10.1016/j.procbio.2017.02.026
- O. Ince, E. G. Ozbayram, C. Akyol, Ozgur Ince, B. Ince, "Composting practice for sustainable waste management: a case study in Istanbul", *Desalination and water treatment*, Vol. 31, No. 57, 07/2017, s. 14473-14477
- E. G. Özbayram, S. Kleinstuber, M. Nikolausz, B. Ince, O. Ince, "Effect of bioaugmentation by cellulolytic bacteria enriched from sheep rumen on methane production from wheat straw", *Anaerobe*, 03/2017, s. 1-9
- C. Yangin-Gomec, G. Pekyavaş, T. Sapmaz, S. Aydın, B. Ince, Ç. Akyol, O. Ince, "Microbial monitoring of ammonia removal in a UASB reactor treating pre-digested chicken manure with anaerobic granular inoculum", *Biosource Technology*, Vol. 241, 2017, s. 332-339
- C. C. Yarımtepe, N. A. Öz, O. Ince, "Volatile fatty acid production dynamics during the acidification of pretreated olive mill wastewater", *Bioresource Technology*, Vol. 241, 2017, s. 936-944
- S. Aydın, E. Yildirim, O. Ince, B. Ince, "Rumen anaerobic fungi create new opportunities for enhanced methane production from microalgae biomass", *Algal Research*, 12/2016
- S. Aydın, H. A. Karacay, S. Gokce, A. Shahi, B. Ince, O. Ince, "Aerobic and Anaerobic Fungal Metabolism and Omics Insights for Increasing Polycyclic Aromatic Hydrocarbons Biodegradation", *Fungal Biology Reviews*, 12/2016, s. 1-12
- M. Kolukirik, M. Yilmaz, O. Ince, C. Ketre, A. Istanbulu, B. Ince, "Development of a fast and low-cost qPCR assay for diagnosis of acute gas pharyngitis", *Annals of Clinical Microbiology and Antimicrobials*, 12/2016, s. 1-6
- C. Akyol, S. Aydın, O. Ince, B. Ince, "A comprehensive microbial insight into single-stage and two-stage anaerobic digestion of oxytetracycline-medicated cattle manure", *The Chemical Engineering Journal*, No. 303, 11/2016, s. 675-684
- A. Shahi, S. Aydın, B. Ince, O. Ince, "Reconstruction of Bacterial Community Structure and Variation for Enhanced Petroleum Hydrocarbons Degradation Through Biostimulation of Oil Contaminated Soil", *The Chemical Engineering Journal*, No. 306, 07/2016
- C. Akyol, G. Turker, O. Ince, E. Ertekin, O. Ustuner, B. Ince, "Performance and microbial community variations in thermophilic anaerobic digesters treating OTC medicated cow manure under different operational conditions", *Bioresource Technology*, No. 205, 04/2016, s. 191-198
- C. Akyol, E. G. Ozbayram, O. Ince, S. Kleinstuber, B. Ince, "Anaerobic Co-Digestion of Cow Manure and Barley: Effect of Cow Manure to Barley Ratio on Methane Production and Digestion Stability", *Environmental Progress & Sustainable Energy*, Vol. 2, No. 35, 03/2016, s. 589-595

- H. Coban, E. Ertekin, O. Ince, G. Turker, C. Akyol, B. Ince, "Degradation of oxytetracycline and its impacts on biogas-producing microbial community structure", *Bioprocess and Biosystems Engineering*, Vol. 7, No. 39, 03/2016
- G. Turker, S. Aydin, C. Akyol, O. Yenigun, O. Ince, B. Ince, "Changes in microbial community structures due to varying operational conditions in the anaerobic digestion of oxytetracycline-medicated cow manure", *Applied Microbiology and Biotechnology*, Vol. 14, No. 100, 03/2016, s. 6469-6479
- C. Akyol, O. Ince, Z. Cetecioglu, F. U. Alkan, B. Ince, "The fate of oxytetracycline in two-phase and single-phase anaerobic cattle manure digesters and its effects on microbial communities", *Journal of Chemical Technology & Biotechnology*, Vol. 3, No. 91, 02/2016, s. 806-814
- S. Aydin, B. Ince, O. Ince, "Assessment of anaerobic bacterial diversity and its effects on anaerobic system stability and the occurrence of resistance genes", *Bioresource Technology*, No. 207, 01/2016
- A. Shahi, S. Aydin, B. Ince, O. Ince, "The effects of white-rot fungi *Trametes versicolor* and *Bjerkandera adusta* on microbial community structure and functional genes during the bioaugmentation process following biostimulation practice of", *INTERNATIONAL BIODETERIORATION & BIODEGRADATION*, No. 114, 01/2016, s. 67-74
- A. Shahi, S. Aydin, B. Ince, O. Ince, "Evaluation of microbial population and functional genes during the bioremediation of petroleum-contaminated soil as an effective monitoring approach", *ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY*, No. 125, 2016, s. 153-160, DOI: 10.1016/j.ecoenv.2015.11.029
- O. Ince, E. G. Ozbayram, C. Akyol, Ozgur Ince, B. Ince, "Composting practice for sustainable waste management: a case study in Istanbul", *Desalination and water treatment*, Vol. 31, No. 11, 2015, s. 14473-14477
- C. Akyol, O. Ince, H. Coban, G. Koxsel, Z. Cetecioglu, N. Ayman Oz, B. Ince, "Individual and combined inhibitory effects of methanol and toluene on acetyl-CoA synthetase expression level of acetoclastic methanogen, *Methanosaeta concilii*", *International Biodeterioration & Biodegradation*, Vol. 105, 2015, s. 233–238, doi:10.1016/j.ibiod.2015.09.013
- C. Akyol, E.G. Ozbayram, O. Ince, S. Kleinstaubler, B. Ince, "Anaerobic Co-Digestion of Cow Manure and Barley: Effect of Cow Manure to Barley Ratio on Methane Production and Digestion Stability", *ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY*, 09/2015, DOI 10.1002/ep.12250
- S. Aydin, B. Ince, O. Ince, "Development of antibiotic resistance genes in microbial communities during long-term operation of anaerobic reactors in the treatment of pharmaceutical wastewater", *Water Research*, Vol. 83, 2015, s. 337–344, Elsevier, doi:10.1016/j.watres.2015.07.007
- S. Aydin, A. Shahi, E.G. Ozbayram, B. Ince, O. Ince, "Use of PCR-DGGE based molecular methods to assessment of microbial diversity during anaerobic treatment of antibiotic combinations", *Bioresource Technology*, Vol. 192, 2015, s. 735–740, Elsevier, doi:10.1016/j.biortech.2015.05.086
- S. Aydin, B. Ince, O. Ince, "Inhibitory effect of erythromycin, tetracycline and sulfamethoxazole antibiotics on anaerobic treatment of a pharmaceutical wastewater", *Water Science & Technology*, Vol. 71, 2015, s. 1620–1628, IWA PUBLISHING, doi:10.2166/wst.2015.126
- S. Aydin, B. Ince, O. Ince, "The joint acute effect of tetracycline, erythromycin and sulfamethoxazole on acetoclastic methanogens.", *Water Science & Technology*, Vol. 71, 2015, s.

1128-1135, IWA PUBLISHING, doi: 10.2166/wst.2015.046.

- S. Aydin, B. Ince, O. Ince, "Application of real-time PCR to determination of combined effect of antibiotics on Bacteria, Methanogenic Archaea, Archaea in anaerobic sequencing batch reactors", *Water Research*, Vol. 76, 2015, s. 88–98, Elsevier, doi:10.1016/j.watres.2015.02.043
- Z. Cetecioglu, B. Ince, M. Gros, S. Rodriguez-Mozaz, D. Barcelo, O. Ince, D. Orhon, "Biodegradation and reversible inhibitory impact of sulfamethoxazole on the utilization of volatile fatty acids during anaerobic treatment of pharmaceutical industry wastewater", *Science of The Total Environment*, Vol. 536, 2015, s. 667–674, doi: 10.1016/j.scitotenv.2015.07.139.
- S. Aydin, B. Ince, Z. Cetecioglu, O. Arikan, E.G. Ozbayram, A. Shahi, O. Ince, "Combined effect of erythromycin, tetracycline and sulfamethoxazole on performance of anaerobic sequencing batch reactors", *Bioresource Technology*, Vol. 186, 2015, s. 207-214, ISSN: 0960-8524, ELSEVIER SCI LTD, DOI: 10.1016/j.biortech.2015.03.043
- C. Akyol, O. Ince, Z. Cetecioglu, F. Ustun Kalkan, B. Ince, "Behavior of oxytetracycline in two-phase anaerobic cattle manure digesters and its effects on active microbial communities", *Journal of Chemical Technology&Biotechnology*, 2015, DOI: 10.1002/jctb.4649
- S. Aydin, B. Ince, Z. Cetecioglu, E.G. Ozbayram, A. Shahi, O. Okay, O. Arikan, O. Ince, "Performance of anaerobic sequencing batch reactor in the treatment of pharmaceutical wastewater containing erythromycin and sulfamethoxazole mixture", *Water Science & Technology*, Vol. 70, No. 10, 2015, s. 1625-1632, ISSN: 0273-1223, IWA PUBLISHING, doi: 10.2166/wst.2014.418.
- S. Aydin, Z. Cetecioglu, O. Arikan, B. Ince, E. G. Ozbayram, O. Ince, "Inhibitory Effects of Antibiotic Combinations on Syntrophic Bacteria, Homoacetogens and Methanogens", *Chemosphere*, No. 120, 02/2015, s. 515-520
- Z. Cetecioglu, B. Ince, D. Orhon, O. Ince, "Acute effect of erythromycin on metabolic transformations of volatile fatty acid mixture and acetate under anaerobic conditions", *Chemosphere*, 2014
- E. G. Ozbayram, O. A. Arikan, B. Ince, Z. Cetecioglu, S. Aydin, O. Ince, "Acute effects of various antibiotic combinations on acetoclastic methanogenic activity", *Environmental Science and Pollution Research*, 2014.
- A. Jaxybayeva, C. Yangin-Gomec, Z. Cetecioglu, E.G. Ozbayram, F. Yilmaz, O. Ince, "Bioenergy production from diluted poultry manure and microbial consortium inside Anaerobic Sludge Bed Reactor at sub-mesophilic conditions", *Journal of Environmental Science and Health*, Vol. 10, No. 49, 2014, s. 775-785
- Z. Cetecioglu, B. Kasapgil-Ince, S. Azman, O. Ince, "Biodegradation of tetracycline under various conditions and effects on microbial community", *Applied Biochemistry and Biotechnology*, Vol. 2, No. 172, 2014, s. 631-640
- G. Turker, O. Ince, E. Ertekin, C. Akyol, B. Ince, "Changes in performance and active microbial communities due to single and multiple effects of mixing and solid content in anaerobic digestion process of OTC medicated cattle manure", *International Journal of Renewable Energy Research*, Vol. 3, No. 1, 2013
- Z. Cetecioglu, B. Ince, M. Gros, S. Rodriguez-Mozaz, D. Barceló, D. Orhon, O. Ince, "Chronic impact of tetracycline on the biodegradation of an organic substrate mixture under anaerobic conditions", *Water Research*, Vol. 9, No. 47, 2013, s. 2959-2969
- B. Ince, H. Coban, G. Turker, E. Ertekin, O. Ince, "Effect of Oxytetracycline on Biogas Production and Active Microbial Populations During Batch Anaerobic Digestion of Cow Manure", *Bioprocess*



and Biosystems Engineering, 2013

- N.A. Oz, O. Ince, G. Turker, B. Ince, ". Effect of seed sludge microbial community and activity on the performance of anaerobic reactors during the start-up period", World Journal of Microbiology and Biotechnology, Vol. 2, No. 28, , s. 637-647, 2012
- B. Basak, O. Ince, B. Ince, Z. Cetecioglu, S. Celikkol, M. Kolukirik, "Effect of Nitrogen Deficiency during SBR Operation on PHA Storage and Microbial Diversity", Environmental Technology, Vol. 33, No. 16, , s. 1827-1837, 2012
- B. Ince, Z. Cetecioglu, S. Celikkol, O. Ince, "The microbial diversity, methane production, operational routine of an anaerobic reactor treating maize processing wastewater", Water Practice and Technology, Vol. 2, No. 2, 2012
- Z. Cetecioglu, B. Ince, D. Orhon, O. Ince, "Acute inhibitory impact of antimicrobials on acetoclastic methanogenic activity", Bioresource Technology, No. 114, s. 109-116, 2012
- O. Ince, B. K. Ince, "Metabolic Activity Variations in Marmara Sea Sediments", Microbial Ecology, 2011
- M. Kolukirik, O. Ince, B. K. Ince, "Nutrient Enhanced Bioremediation of Petroleum Hydrocarbons via Methanogenesis and DNRA", ISME Journal, 2011, doi:10.1038/ismej. 2011
- M. Kolukirik, O. Ince, Z. Cetecioglu, S. Celikkol, B. K. Ince, "Local and Seasonal Changes in Microbial Diversity of the Marmara Sea Sediments", Marine Pollution Bulletin, Vol. 11, No. 62, 11/2011, s. 2384-2394
- B. Ince, G. Koksall, Z. Cetecioglu, N. A. Oz, H. Coban, O. Ince, "Inhibition effect of isopropanol on acetyl-CoA synthetase expression level of acetoclastic methanogen, Methanosaeta concilii", Journal of Biotechnology, Vol. 2, No. 156, 2011, s. 95-99
- M. Kolukirik, O. Ince, B. K. Ince, "Increment in Anaerobic Hydrocarbon Degradation Activity of 13 Halic Bay Sediments via Nutrient Amendment", Microbial Ecology, Vol. 4, No. 61, 2011, s. 871
- D. Ercan, S. Karatas, E. Turgay, M. Kolukirik, O. Ince, B.K. Ince, "Changes In Transferrin Gene Expression In Sea Bass (*Dicentrarchus labrax*) Challenged with *Vibrio anguillarum*.", Marine Biotechnology, 2011
- C. Aydiner, İ. Demir, B. Keskinler, O. Ince, "Joint analysis of transient ux behaviors via membrane fouling in hybrid PAC/MF processes using neural network", Desalination, No. 250, 2010, s. 188-196
- O. Ince, M. Kolukirik, Z. Cetecioglu, O. Eyice, O. Inceoglu, B. Ince, "Toluene Inhibition of an Anaerobic Reactor Sludge in Terms of Activity and Composition of Acetoclastic Methanogens", Journal of Environmental Science and Health- Part A: Toxic/Hazardous Substances & Environmental Engi, Vol. 44, No. 14, 2009
- Z. Cetecioglu, B. K. Ince, M. Kolukirik, O. Ince, "Biogeographical Distribution and Diversity of Bacterial and Archaeal Communities within Highly Polluted Anoxic Marine Sediments from the Marmara Sea", Marine Pollution Bulletin, Vol. 58, No. 3, 2009, s. 384-395
- C. Aydiner, M. Bayramoglu, B. Keskinler, O. Ince, "Nickel Removal from Waters Using a Surfactant-Enhanced Hybrid Powdered Activated Carbon/Microfiltration Process. II. The Influence of Process Variables", Industrial & Engineering Chemistry Research, Vol. 2, No. 48, 2009, s. 903-913
- Y. Oktem, O. Ince, P. Sallis, T. Donnelly, B. Kasapgil Ince, "Anaerobic treatment of a chemical synthesis-based pharmaceutical wastewater in a hybrid upflow anaerobic sludge blanket reactor", Bioresource Technology, No. 995, 2008, s. 1089-1096
- O. Ince, B.Kasapgil Ince, T.Donnelly, "Attachment, strength and performance of a porous-

media in an upflow anaerobic filter treating dairy wastewater", *Water Science and Technology*, Vol. 4-5, No. 41, 2008, s. 261-270

- O. Ince, M. Kolukirik, Z. Cetecioglu, O. Eyice, C. Tamerler, B. Ince, "Methanogenic and sulfate reducing bacterial population levels in a full-scale anaerobic reactor treating pulp and paper industry wastewater using fluorescence in situ hybridization", *Water Science and Technology*, Vol. 10, No. 55, 2007, s. 183-191
- C. Aydiner, M. Bayramoglu, S. Kara, B. Keskinler, O. Ince, "Nickel removal from waters using surfactant-enhanced hybrid PAC/MF process. I. The influence of system-component variables", *Ind. Eng. Chem. Res.*, No. 45, 2006, s. 3926-3922
- Y. Oktem, O. Ince, P. Sallis, T. Donnelly, B. Kasapgil Ince, "Determination of optimum operating conditions of an acidification reactor treating a chemical synthesis-based pharmaceutical wastewater", *Process Biochemistry*, Vol. 11, No. 41, 2006, s. 2258-2263
- M. Kolukirik, O. Ince, B. Kasapgil Ince, "Methanogenic Community Change in a Full-Scale UASB Reactor Operated at a Low F/M Ratio", *Journal of Environmental Science and Health, Part A Toxic/Hazardous Substance & Environmental Engine*, No. 42, 2006, s. 903-910
- O. Ince, A. T. Akarsubasi, N. Sayi, O. Eyice, S. Ovez, B. Kasapgil Ince, "Analysis of Anaerobic Microbial Diversity in Haliç (marine inlet) Sediment by Molecular Tools", *Advanced Molecular Medicine*, Vol. 2, No. 2, 2006, s. 71-77
- B. K. Ince, I. Usenti, A. Eyigor, N. A. Oz, M. Kolukirik, O. Ince, "Analysis of methanogenic archaeal and sulfate reducing bacterial populations in the sediments of the Black Sea using FISH", *Journal of Geomicrobiology*, No. 23, 2006, s. 1-8
- A. T. Akarsubasi, O. Ince, N. A. Oz, B. Kirdar, B. Ince, "Evaluation of performance, acetoclastic methanogenic activity and archaeal composition of full-scale UASB reactors treating alcohol distillery wastewaters", *Process Biochemistry*, Vol. 1, No. 41, 2006, s. 28-35
- A. T. Akarsubasi, O. Ince, B. Kirdar, N. A. Oz, D. Orhon, T. P. Curtis, I. M. Head, B. Ince, "Effect of wastewater composition on archaeal population diversity", *Water Research*, Vol. 8, No. 39, 2005, s. 1576-1584
- T. Dogan, O. Ince, N. Ayman Oz, B. Kasapgil Ince, "Inhibition of Volatile Fatty Acid Production in Granular Sludge From An UASB Reactor", *Journal of Environmental Science and Health, Part A Toxic/Hazardous Substance & Environmental Engine*, Vol. 3, No. 40, 2005, s. 633-644
- O. Ince, M. Kolukirik, N. A. Oz, B. Kasapgil Ince, "Comparative Evaluation of Full-Scale UASB Reactors Treating Alcohol Distillery Wastewater in Terms of Performance and Methanogenic Activity", *Journal of Chemical Technology and Biotechnology*, No. 80, 2005, s. 138-144
- N. Ayman Oz, O. Ince, B. Kasapgil Ince, "Effect Of Wastewater Composition On Methanogenic Activity In An Anaerobic Reactor", *Journal of Environmental Science and Health, Part A Toxic/Hazardous Substance & Environmental Engine*, Vol. 11-12, No. 39, 2004, s. 2941-2953
- B. Ince, O. Ince, N. Ayman Oz, "Changes in acetoclastic methanogenic activity and microbial composition in an upflow anaerobic filter", *Air and Soil Pollution*, No. 144, 2003, s. 301-315
- B. Kasapgil Ince, O. Ince, N. Ayman Oz, "Changes in acetoclastic methanogenic activity and

microbial composition in an upflow anaerobic filter", Journal of Water, Air and Soil Pollution, Vol. 1, No. 144, 2003, s. 301-315

- N. Ayman Oz, O. Ince, B. Kasapgil Ince, A. T. Akarsubasi, O. Eyice, "Microbial population dynamics in an anaerobic CSTR treating chemical synthesis based pharmaceutical wastewater", Journal of Environmental Science and Health, Part A Toxic/Hazardous Substance & Environmental Engine, Vol. 10, No. 38, 2002, s. 2029-2042
- B. Kasapgil Ince, A. Selçuk, O. Ince, "Effect of a chemical synthesize based pharmaceutical wastewater on performance, acetoclastic methanogenic activity and microbial population in an upflow anaerobic filter", Journal of Chemical Technology and Biotechnology, Vol. 6, No. 77, 2002, s. 711-719
- O.Ince, B. Kasapgil Ince, O. Yenigün, "Determination of potential loading capacity of an upflow anaerobic sludge blanket reactor using specific methanogenic activity test", Journal of Chemical Technology and Biotechnology, Vol. 6, No. 76, 2001, s. 573-578
- B.Kasapgil Ince, O.Ince, G. K. Anderson, S. Arayıcı, "Assesment of biogas use as an energy source from anaerobic digestion of brewery wastewater", Journal of Water, Air ans Soil Pollution, No. 126, 2001, s. 239-251
- B.Kasapgil Ince, O.Ince, P.J.Sallis, G.K.Anderson, "Inert COD production in a membrane anaerobic reactor treating brewery wastewater", Water Research, Vol. 16, No. 34, 2000, s. 3943-3948
- B.Kasapgil Ince, O.Ince, "Changes to bacterial community make-up in a two-phase anaerobic digestion system", Journal of Chemical Technology and Biotechnology, No. 75, 2000, s. 500-508
- G. Eremektar, F. Germirli, O. Ince, "Fate of inert COD fractions in two-stage biological treatment of a strong wastewater", Journal of Environmental Science and Health, Part A Toxic/Hazardous Substance & Environmental Engine, Vol. 6, No. 34, 1999, s. 1329-1340
- O. Ince, "Potential energy production from anaerobic digestion of dairy wastewater", Journal of Environmental Science and Health, Part A Toxic/Hazardous Substance & Environmental Engine, Vol. 6, No. 33, 1998, s. 1219-1228
- O. Ince, F. Germirli, B. Kasapgil Ince, G. K. Anderson, "Experimental determination of soluble inert COD fractions of brewery wastewater under anaerobic conditions", Environmental Technology, No. 19, 1998, s. 437-442
- F. Germirli, O. Ince, D. Orhon, A. Şimşek, "Assesment of inert COD in pulp and paper mill effluent under anaerobic conditions", Water Research, Vol. 11, No. 32, 1998, s. 3490-3494
- O. Ince, "Performance of a two-phase anerobic digestion system when treating dairy wastewater", Water Research, Vol. 9, No. 32, 1998, s. 2707-2713
- I.E. Gönenç, B. B. Baykal, O. Ince, O. Aşıkoğlu, "Ecosystem modelling of coastal lagoons for sustainable management. A case study: K.Cekmece Lagoon TURKEY", International Journal of Salt Lake Research, Vol. 2, No. 6, 1997, s. 91-105
- O. Ince, G. K. Anderson, B. Kasapgil, "Composition of the microbial population in a membrane anerobic system during start-up", Water Research, Vol. 1, No. 31, 1997, s. 1-10
- G. K. Anderson, B. Kasapgil, O.Ince, "Microbial kinetics of a membrane anaerobic reactor system", Environmental Teachnology, No. 17, 1996, s. 449-464

- U. Alkan, G. K. Anderson, O.Ince, "Toxicity of trivalent chromium in the anaerobic digestion process", Water Research Vol.30, No.3, p.731-741, Vol. 3, No. 30, 1996, s. 731741
- O. Ince, G. K. Anderson, B. Kasapgil, "Control of organic loading rate using the specific methanogenic activity test during start-up of an anaerobic digestion system", Water Research , Vol.29, No.1, p.349-355., Vol. 1, No. 29, 1995, s. 349-355
- O.Ince, G. K. Anderson, B. Kasapgil, "Effect of changes in compositions of methanogenic species on performance of a membrane anaerobic reactor system treating brewery wastewater", Environmental Technology, No. 16, 1995, s. 901-914
- G. K. Anderson, B. Kasapgil, O.Ince, "Microbiological study of two-stage digestion during start-up", Water Research, Vol. 11, No. 28, 1994, s. 2383-2392
- B. Kasapgil, G. K. Anderson, O. Ince, "An investigation into the pre-treatment of dairy wastewater prior to aerobic biological treatment. International Specialised Conference on Pre-treatment of Industrial Wastewater", Water Science and Technology, Vol. 9, No. 29, 1994, s. 205-215
- G. K. Anderson, B. Kasapgil, O. Ince, "Comparasion of porous and non-porous media in upflow anerobic filter for dairy wastewater treatment", Water Research, Vol. 7, No. 28, 1994, s. 1619-1624

NATIONAL PUBLICATIONS

- Z. Çetecioglu, D. Orhon, O. İnce, "Chronic Effects of Antibiotic Active Ingredients on Methanogenic Activity", ITU Review / e Water Pollution Control, ITU Review / e Water Pollution Control, Vol. 22, No. 1, 2017, pp. 51-59
- S. Celikkol, B. K. İnce, M. Kolukirik, Z. Çetecioglu, O. İnce, "Determination of Anaerobic Microbial Diversity in Paper Industry Wastewaters", ITU Review / e, Vol. 18, No. 2-3, 2008, p. 23-31
- O. İnce, Ö. Eyice, B. K. İnce, "Bacterial diversity in nitrification systems and the effect of system stability on the duration of sludge retention", ITU Review / e, Vol. 1, No. 18, 2008, p. 32-41
- B. K. İnce, M. Kolukirik, O. İnce, "Methanogenic population dynamics in real-scale UASB reactors", ITU Review, Vol. 2, No. 17, 2007, p. 3-14, Called article
- C. Aydiner, O. İnce, "Investigation of flux reduction in nickel removal from water by hybrid microfiltration process with statistical methods", İTÜ Magazine / d, Vol.1, No.17,2007, 27-38
- O. İnce, Ö. Eyice, B. K. İnce, "Bacterial diversity in nitrification systems and the effect of system stability on the duration of sludge retention", ITU Review / Vol. 2,2005, pp. 32-41
- N.T. Öktem, O. İnce, "Comparison of System Performances in Single and Two-Stage Anaerobic Treatment of Drug Wastewaters", ITU Review / d Engineering, Vol. 2, No. 4, 2005, pp. 11-18
- O. Ince, N. Ayman Oz, B. Kasapgil Ince, B. Kocarslan, "Assessment of the performance of an alcoholic beverage industry anaerobic digestion system and characterization of biological slurry", Journal of Water Pollution Control, Vol. 3, No. 13, 2003
- B. Kasapgil İnce, O. İnce, "Basic Principles in Determining the Operating Conditions of Pre-Acidification Tanks in Anaerobic Treatment of Industrial Wastewaters", Water Pollution Control Magazine, Vol. 1, No. 7, 1997, p. 29-35

- O. İnce, B. Kasapgil, "Measurement of methane bacteria with Warburgh Respirometer during the operating phase of airless treatment systems and control of system stability", Journal of Water Pollution and Control, Vol. 1, No. 5, 1995, p. 27-37

INTERNATIONAL ORAL PRESENTATIONS

- C. C. Yarimtepe, N. A. Öz, O. İnce, "Electrohydrolysis of Olive Mill Wastewater: Effect of Applied DC Voltage", 04/2017, 6th PARIS International Conference on Chemical, Agricultural, Biologic, Paris, France, 25.04.2017 - 26.04.2017
- A. Shahi, S. Aydin, B. Ince, O. Ince, "Evaluation of changes in microbial community structure and functional genes in petroleum-contaminated soil through a bioremediation monitoring process", 10/2015, BioMicroWorld 2015, Barcelona, Spain , 28.10.2015 - 30.10.2015
- A. Shahi, S. Aydin, B. Ince, O. Ince, "Analysis of the microbial community of highly petroleum-contaminated soil obtained from dredging of petroleum waste storage pit as an approach for evaluation of its bioaugmentation potential", 10/2015 , BioMicroWorld 2015, Barcelona, Spain, 28.10.2015 - 30.10.2015
- S. Aydin, A. Shahi, B. Ince, O. Ince, "Inhibitory effect of erythromycin, tetracycline and sulfamethoxazole antibiotics on anaerobic treatment of a pharmaceutical wastewater", 10/2015, BioMicroWorld 2015, Barcelona, Spain, 28.10.2015 - 30.10.2015
- S. Aydin, A. Shahi, E.G. Ozbayram, B. Ince, O. Ince, "Use of PCR-DGGE based molecular methods to assess microbial diversity during antibiotic combinations", 10/2015, BioMicroWorld 2015, Barcelona, Spain, 28.10.2015 - 30.10.2015
- E. Ozbayram, O. Ince, C. Akyol, S. Kleinstuber, U. Bakirel, B. Ince, "Characterization of microbial community structures of cow rumen and manure by pyrosequencing and Q-PCR", 10/2015, BioMicroWorld 2015, Barcelona, Spain, 28.10.2015 - 30.10.2015
- C. Akyol, G. Turker, O. Ince, E. Ertekin, B. Ince, "Effect of operational changes in tetracycline resistance gene proliferation in anaerobic digestion of OTC medicated cattle manures", 10/2015, BioMicroWorld 2015, Barcelona, Spain, 28.10.2015 - 30.10.2015
- S. Aydin, O. Ince, O. Arıkan, Z. Cetecioglu, E.G. Ozbayram, A. Shahi, B. Ince, "Effects of the antimicrobial and antibiotics on the microbial community structure and the development of antibiotic resistance genes in anaerobic sequencing batch reactor", 05/2015, IWA Balkan Young Water Professional 2015 Conference, Selanik, Greece, 10.05.2015 - 12.05.2015
- E.G. Ozbayram, O. Ince, O. Arıkan, Z. Cetecioglu, S. Aydin, A. Shahi, B. Ince, "Chronic effects of antibiotic mixtures on anaerobic sequencing batch reactors (ASBRs) treating pharmaceutical wastewater", 05/2015, IWA Balkan Young Water Professional 2015 Conference, Selanik, Greece, 10.05.2015 - 12.05.2015
- O. Ince, S. Kabdasli, O.E. Varol, O. Bora, H. Girgin, M. Balcin, E.G. Ozbayram, "Flood Risk Modelling for Ergene Basin", 2014, 2nd Sustainable Watershed Management Conference, Dalaman, Türkiye, 13.10.2014 - 17.10.2014
- S. Aydin, A. Shahi, Z. Cetecioglu, O. Ince, E.G. Ozbayram, B. Ince, "Chronic Effects of Antibiotic Combinations on Anaerobic Microbial Community", 2014, Technical, Environmental and Economic Challenges, EcoSTP2014 Conferenc, Verona, İtalya, 23.06.2014 - 27.06.2014
- O. Arıkan, Z. Cetecioglu, S. Aydin, A. Shahi, B. Ince, E.G. Ozbayram, O. Ince, "Long -Term Combined Effects of antibiotics on anaerobic sequencing batch reactors (ASBRs) treating pharmaceutical wastewater", 2014, 6th IWA YWP European Water Professionals Conference "EAST meets WEST, İstanbul, Türkiye, 28.08.2014 - 30.05.2014

- O. Arikan, O.İnce, Z. Cetecioglu, S. Aydin, E.G. Ozbayram, B. Ince, "Chronic Effects of Erythromycin, Tetracycline and Sulfamethoxazole Combinations on the Performance of Anaerobic Sequencing Batch Reactor", 2014, 2nd International Conference on Biogas Microbiology (ICBM2), Uppsala, İsviçre, 16.06.2014 - 12.06.2014
- S. Aydin, O. Ince, O. Arikan, Z. Cetecioglu, E.G. Ozbayram, B. Ince, A. Shahi, "Performance of anaerobic sequencing batch reactor in the treatment of pharmaceutical wastewater containing erythromycin and sulfamethoxazole mixture", 05/2014, 6th IWA YWP European Water Professionals Conference "EAST meets WEST, İstanbul, Türkiye, 28.05.2014 - 30.05.2014 O. Ince, E.G. Ozbayram,
- O. Arikan, O.İnce, Z. Cetecioglu, A. Shahi, S. Aydin, B. Ince, "Determination of the chronic effects of antibiotic mixtures on resistance genes and microbial community structure within anaerobic sequencing batch reactors treating pharmaceutical wastewater", 2013, V. International Conference on Environmental, Industrial and Applied M, Madrid, Spain, 02.10.2013 - 04.10.2013
- Z. Cetecioglu, B. Ince, D. Orhon, O. Ince, "Chronic effect of erythromycin on acetoclastic methanogens", 2013, V. International Conference on Environmental, Industrial and Applied M, Madrid, Spain, 02.10.2013 - 04.10.2013
- G. Turker, O. Ince, E. Ertekin, B. Ince, "Effects of mixing rate and solid content on numbers of active microbial populations in thermophilic digestion of OTC medicated manure", 2013, ICOEST 2013 - The international Conference on Environmental Science an, Kapadokya/Turkey, 18.06.2013 - 21.06.2013
- G. Turker, O. Ince, E. Ertekin, B. Ince, "Effects of mixing rate and solid content on numbers of active microbial populations in digesters fed with OTC medicated manure", 2013, BioGasWorld 2013 - International Trade Exhibition for Biogas Technolog, Berlin / Germany, 22.04.2013 - 25.04.2013
- G. Turker, O. Ince, E. Ertekin, H. Coban, B. Ince, "Degradation products of Oxytetracycline in anaerobic digestion and its effects on biogas production and microbial community structures", 2012, SETAC World Congress 2012, Berlin/Germany, 20.05.2012 - 24.05.2012,
- G. Turker, O. Ince, E. Ertekin, B. Ince, "Effects of amendments of OTC containing fresh manure and digestate on soil microbiota", 2013, BioGasWorld 2013 - International Trade Exhibition for Biogas Technolog, Berlin / Germany, 22.04.2013 - 25.04.2013
- G. Turker, O. Ince, E. Ertekin, C. Akyol, B. Ince, "Changes in performance and active microbial communities due to single and multiple effects of mixing and solid content in anaerobic digestion process of OTC medicated cattle manure", 2012, EWRES - European Workshop on Renewable Energy Systems, Antalya/Turkey, 17.09.2012 - 28.09.2012,
- S. Celikkol, O. Ince, B. Ince, "Bacterial community analysis of drinking water reservoirs in İstanbul using molecular tools", 2012, International Water Association (IWA) World Water Congress and Exhibit, Busan, South Korea, 16.09.2012 - 21.09.2012
- Z. Cetecioglu, B. Ince, D. Orhon, O. Ince, "Chronic Effect of Sulfamethoxazole on Methanogenic Pathway", 2012, 14th International Symposium on Microbial Ecology- ISME, Copenhagen-Denmark, 18.08.2012 - 24.08.2012
- S. Aydin, O. Ince, G. Ozbayram, Z. Cetecioglu, O. Arikan, B. Ince, "Short-term inhibition impact of antimicrobials on the homoacetogenic and methanogenic activities of an enriched culture", 2012, 14th International Symposium on Microbial Ecology- ISME, Copenhagen-Denmark, 16.09.2012 - 21.09.2012,

- G. Turker, O. Ince, E. Ertekin, F. Suzen, B. Ince, "Impacts of Oxytetracycline on Performance of Thermophilic Anaerobic Manure Digesters and Active Microbial Population", 2012, Isme14 - The Power Of The Small, Copenhagen/Danmark, 19.08.2012 - 24.08.2012, (
- G. Ozbayram, B. Ince, S. Aydin, Z. Cetecioglu, O. Arikan, O. Ince, "Determination of the Synergistic Acute Effects of Antibiotics on Acetoclastic Methanogens", 2012, 14th International Symposium on Microbial Ecology- ISME, Copenhagen-Denmark, 19.08.2012 - 24.08.2012,
- G. Turker, B. Ince, M. Kolukirik, O. Ince, "Seasonal shift in microbial community structure of highly polluted sediments of Marmara Sea coast", 2012, ECSA50 - 50th ECSA Conference: Today's science for tomorrow's manageme, Venice/Italy, 03.06.2012 - 07.06.2012.
- O. Ince, S. Azman, Z. Cetecioglu, B. Ince, "Biodegradation of Tetracycline under Various Conditions and Effects on Microbial Community", 10/2011, The X Latin American Workshop and Symposium on Anaerobic Digestion, Ouro Preto, Brazil, 23.10.2011 - 27.10.2011
- O. Ince, Z. Cetecioglu, S. Azman, N. Gokcek, B. Ince, "Determination of anaerobic and anoxic biodegradation capacity of sulfamethoxazole and the effects on mixed microbial culture", 09/2011, s. 115, BioMicroWorld 2011, Malaga-Spain, 17.09.2011 - 17.09.2011
- G. Türker, O.İnce, H. Çoban, E. Ertekin, B. İnce, "Effects of excreted OTC in manure on biogas digesters in term od microbial populations and biogas production", 09/2011 BioMicroWorld 2011, Malaga-Spain, 17.09.2011 - 17.09.2011
- B. Ince, Z. Cetecioglu, S. Celikkol, O. Ince, "The microbial diversity, methane production, operational routine of an anaerobic reactor treating maize processing wastewater.", 2011, 8th IWA International Symposium on Waste Management Problems in Agro-I, Çeşme, Turkey, 22.06.2011 - 26.05.2011, Oral Presentation
- O. Ince, S. Sozen, O.Karahan, Z. Cetecioglu, N.Gokcek, D. Orhon, "WasteManagement in Purification Process of a Gold Refinery Industry", 2010, International Sustainable Water and Wastewater Management Symposium, Konya, Türkiye, 24.10.2010 - 18.01.2011
- M. Kolukirik, O. Ince, B.K. Ince, "High Anaerobic Hydrocarbon Degradation Activities of Marmara Sea Sediments", 2010, 13th International Symposium on Microbial Ecology- ISME, Seattle-USA, 21.08.2010 - 28.08.2010
- O. Ince, G. Koksel, N. A. Oz, Z. Cetecioglu, H. Coban, B.K. Ince, "Inhibition Effect of Iso-propanol on Expression Level of Acetyl-CoA Synthetase Gene and Active Methanogenic Population in Anaerobic Processes", 08/2010, 13th International Symposium on Microbial Ecology, Seattle - A.B.D. (Poster), 22.08.2010 - 27.08.2010
- C. Ketre, O. Ince, M. Kolukirik, B.K. Ince, "Benzylsuccinate Synthase Gene Abundance in the Marmara Sea Sediments.", 07/2010, 13th International Symposium on Microbial Ecology- ISME, Seattle-USA, 22.08.2010 - 28.08.2010
- G. Turker, O.Ince, N. Ayman Oz, B.Kasapgil Ince, "Microbial Community Analysis in Deep Sediments of the Black Sea Revealing Presence of Thermophilic Bacteria and Archaea", 08/2008, 12th International Symposium on Microbial Ecology- ISME 12, Cairns-Australia, 17.08.2008 - 22.08.2008
- N.A. Oz, O. Ince, G. Turker, E. Gozdereliler, B.K. Ince, "Effect of sludge retention time on microbial diversity in anaerobic sequencing batch reactors", 08/2008, 12th International Symposium on Microbial Ecology- ISME 12, Cairns-Australia (Poster), 17.08.2008 -

22.08.2008

- S. Celikkol, O. Ince, M. Kolukirik, Z. Cetecioglu, B. K. Ince, "Effect of a system shut-down on the microbial community in a full-scale anaerobic contact reactor", 08/2008, 12th International Symposium on Microbial Ecology- ISME 12, Cairns-Australia (Poster), 17.08.2008 - 22.08.2008
- M. Kolukirik, O. Ince, Z. Cetecioglu, S. Celikkol, B.K. Ince, "Microbial Ecology of Anoxic Marmara Sea Sediments with a High Potential To Degrade Petroleum Hydrocarbons", 08/2008, 12th International Symposium on Microbial Ecology- ISME 12, Cairns-Australia, 17.08.2008 - 22.08.2008
- B. K. Ince, Z. Çetecioglu, M. Kolukirik, B. Açiksöz, H. Bermek, Ş. Çelikkol, O. Ince, "Microbial Diversity within the Anoxic Sediment from a Highly Polluted Bay", 12/2007, s. 223, II. International Conference on Environmental, Industrial and Applied , Sevilla-Spain, 28.11.2007 - 01.12.2007
- O. Ince, M. Kolukirik, Z. Cetecioglu, O. Eyice, O. Inceoglu, B. Ince, "Determination of Toluene Inhibition on Acetoclastic Methanogenic Community Of An Anaerobic Sludge Using Methanogenic Activity Test And Fluorescence In Situ Hybridization Technique", 01/2007, International Conference on Environment: Survival and Sustainability, Nicosia - Northern Cyprus, 17.02.2007 - 24.02.2007
- B.Kasapgil Ince, M. Kolukirik, Z. Çetecioglu, Ö. Eyice, O. Ince, "Methanogenic and sulfate reducing bacterial populations within a full-scale anaerobic reactor", 08/2006, 11th International Symposium on Microbial Ecology-ISME 11, Vienna-Austria, (Poster), 20.08.2006 - 24.08.2006
- B.Ince, O.Ince, N.A.Oz, I.Usenti, A.Eyigor, "Analysis of Methane Archaeal and Sulfate Reducing Bacterial Populations in Deep Sediments of the Black Sea Using FISH Technique", 03/2005, 1st International Conference on Environmental, Industrial and Applied M, Badajoz, Spain, 15.03.2005 - 18.03.2005
- M.Kolukirik, O.Ince, B.Kasapgil Ince, O.Eyice, "Changes in Archaeal Community Dynamics in a Full-scale UASB Reactor Treating Alcohol Distillery Effluent.", 09/2004, s. 53-58, 10th World Congress on Anaerobic Digestion, Montreal, Canada, 31.08.2004 - 02.09.2004
- O. Ince, A. T. Akarsubasi, N. Sayi, O. Eyice, Suleyman Ovez, B. Kasapgil Ince, "Analysis of Anaerobic Microbial Diversity in Haliç (marine inlet) Sediment by Molecular Tools.", 12/2003, s. 0, IWA Conference on Environmental Biotechnology:Advancement on Water and, Kuala Lumpur, Malaysia, 09.12.2003 - 10.12.2003
- N. A. Oz, O. Ince, B. K. Ince, "Changes in Acetoclastic Methanogenic Activity in an Anaerobic Reactor Treating a Pharmaceutical Wastewater", 12/2003, IWA Conference on Environmental Biotechnology: Advancement on Water &, Kuala Lumpur, Malaysia, 09.12.2003 - 10.12.2003
- T. Dogan, B. Kasapgil Ince, O. Ince, N. Ayman Oz, "Inhibition of Volatile Fatty Acid Production in Granular Sludge from an UASB Reactor", 12/2003, s. 0, IWA Conference on Environmental Biotechnology:Advancement on Water & , Kuala Lumpur, Malaysia, 09.12.2003 - 10.12.2003
- O. Ince, N.Ayman Oz, B. Kasapgil Ince, B. Kocaarslan, "Determination of potential loading capacity of a full-scale anaerobic reactor treating alcohol distillery effluents", 09/2002, s. 0, 5th Specialized Conference on IWA Small Water and Wastewater Treatment, Istanbul,

Turkey, 24.09.2002 - 26.09.2002

- O.Ince, O.Karadede, B.Kasapgil Ince, N.Ayman Oz, M. Kolukirik, "An investigation in to a full-scale UASB reactor treating an alcohol distillery effluent interms of performance, acetoclastic methanogenic capacity and microbial composition", 07/2002, ISWA World Environment Congress and Exhibition, Istanbul, Turkey, 08.07.2002 - 12.07.2002
- O.Ince, "Aerobic in Sewer Treatment: a case study", 10/1997, s. 261, 9th International Symposium on Environmental Pollution and its Impact , S.Agnello Di Sorrento, Italy, 04.10.1997 - 09.10.1997
- O.Ince, T.T.Onay, "Treatment of battery waste leachate:a case study", 10/1997, s. 265, 9th International Symposium on Environmental Pollution and its Impact , S.Agnello Di Sorrento, Italy, 04.10.1997 - 09.10.1997
- B. Kasapgil, O. Ince, S. Arayıcı, "An investigation into economic value of biogas from an upflow anaerobic filter treating dairy wastewater", 08/1995, s. 173, 35th IUPAC Congress, Istanbul, Turkey, 14.08.1995 - 19.08.1995
- I. E. Gonenc, O. Ince, B. B. Baykal, N. Beker, A. Tanık, M. Gurel, Y. Oktem, M. Meric, E. Doganlı, "Manegement of a mesothrophic lake for sustainable development: Case study from Turkey", 10/1995, 6th International Conference on the Conservation and Management of La, Japan, 23.10.1995 - 27.10.1995
- O. Ince, B. Kasapgil, S. Arayıcı, "Energy recovery in a membrane anaerobic treatment system", 08/1995, s. 192, 35th IUPAC Congress, Istanbul, TURKEY, 14.08.1995 - 19.08.1995
- B. Kasapgil, O. Ince, G. K. Anderson, "Determination of operation conditions in an anaerobic acid-phase reactör treating dairy wastewater", 1995, Proceedings of the 50th Industrial Waste Conferance, Purdue University, Lafayette, Indiana, USA, 01.05.1995 - 03.05.1995
- B. Kasapgil, G. K. Anderson, O.Ince, "Comparison of pilot -and laboratory- scale upflow anerobic filters treating dairy wastewater", 05/1994, s. 555-562, Proceedings of the 49th Industrial Waste Conference, Purdue University, Lafayette, Indiana, USA, 09.05.1994 - 11.05.1994
- O. Ince, G. K. Anderson, B. Kasapgil, "Use of specific methanogenic activity test for controlling stability and performance in anaerobic digestion of brewery wastewater", 05/1994, s. 189-204, Proceedings of the 49th Industrial Waste Conference, Purdue University, Lafayette, Indiana, USA, 09.05.1994 - 11.05.1994
- G. K. Anderson, B. Kasapgil, O. Ince, "Improvement in performance of an anaerobic upflow filter using sintered glass media", 1993, s. 731-733, 2th International Specialised Conference on Biofilm Reactors, Paris/France, 29.09.1993 - 01.10.1993, Poster Presentation
- O. Ince, G. K. Anderson, B. Kasapgil, "Improvement in performance of an anaerobic contact digester using a crossflow ultrafiltration membrane technique for brewery wastewater treatment", 1993, s. 551-560, The 48th Industrial Waste Conference, Purdue University, Lafayette, Indiana/USA, 10.05.1993 - 12.05.1993
- O. Ince, "Membrane processes and applications to industrial wastewater treatment technologies", 1991, 7th KUKEM Congress, Ankara/TURKEY, 18.09.1991 - 19.09.1991
- O. Ince, "Materials Using for Biofilm Systems and Their Various Applications", 1991, s. 591-607, 1. Internatioanl Environmental Protection Symposium, İzmir, TURKEY, 08.06.1991 -

11.06.1991

- O. İnce, "A new technology to increase the treatment efficiency of industrial wastewater: Membrane Crossflow Ultrafiltration", 2008, s. 577-590, 1. International Environmental Protection Symposium, İzmir, TURKEY, 08.06.1991 - 11.06.1991
- O. İnce, "Comparison of various biofilm models", 1991, s. 374-394, 1. International Environmental Protection Symposium, İzmir, TURKEY, 08.06.1991 - 11.06.1991

NATIONAL ORAL PRESENTATIONS

- E.I. Erdem, O. Ince, C. Akyol, E.G. Ozbayram, B. Ince, "Investigation of the use of the final product obtained by composting garden wastes as a soil conditioner", 10/2015, 7th National Solid Waste Management Congress (UKAY) 2015, Gaziantep, Turkey, 14.10.2015 - 16.10.2015
- G. Günel, B. Ince, E.G. Ozbayram, C. Akyol, B. Ince, "Increasing the acidification efficiency by using rumen liquid in anaerobic digesters operated with bovine ovary", 10/2015, 7th National Solid Waste Management Congress (UKAY) 2015, Gaziantep, Turkey, 14.10.2015 - 16/10/2015
- G. Ozbayram, B. Ince, Z. Cetecioglu, O. Arıkan, O. Ince, "Determination of multiple acute effects of antibiotics on methanogenic pathways", 2012, 13. Industrial Pollution Control Symposium-EKK 13, Istanbul-Turkey, 17.10. 2012 - 19.10.2012
- O.Ince, "A new solution approach to sedimentation problems in anaerobic contact processes: membrane ultrafiltration technique", 09/1990, p. 109-120, 2nd Industrial Pollution Symposium, Istanbul, Turkey, 24.09.1990 - 26.09.1990
- B. İnce, L. Simsek, N.A. Öz, E. Gözdereliler, A. Ülgen, O. İnce, "Changes in Acetoclastic Methanogenic Activity and Quantitative Methane Arrangement in the Anaerobic Treatment of Beer Wastewater", 06/2008, 11th Industrial Pollution Control Symposium-EKK 11, Istanbul, Turkey, 11.06.2008 - June 13, 2008
- O. Ince, "Wastes and Treatment Methods Produced in the Production of Hazardous Chemical Materials Used in Jewellery Workshops", 06/2006, 1st International Eminonu Symposium, Istanbul, Turkey, 17.06.2006 - 19.06.2006
- N. Ayman Oz, O. Ince, A. T. Akarsubasi, B. Kırdar, B. K. İnce, "Determination of the change of methane composition in a fully mixed reactor refining the wastewater of medicines by DGGE method", 06/2006, p. 320-327, 10. Industrial Pollution Control Symposium, Istanbul, Turkey, 07.06.2006 - 09.06.2006
- O. İnce, M. Kolukırık, Z. Çetecioglu, Ö. Eyice, B.Kasapgil İnce, "Determination of microbial populations active in a real-scale anaerobic reactor using fluorescence in situ hybridization", 06/2006, p. 75-82, 10. Industrial Pollution Control Symposium, Istanbul, Turkey, 07.06.2006 - 09.06.2006
- B. Kasapgil Ince, O. İnce, N. Ayman Oz, M. Kolukırık, Ö. Eyice, Z. Çetecioglu, "The present and future of environmental biotechnology", 06/2006, p. 52, Biotechnology Century and Turkey (Today & Future), Istanbul, Turkey, 03.06.2006 - 04.06.2006
- C. Aydiner, M. Bayramoğlu, S. Kara, B. Keskinler, O. İnce, "Removal of nickel ions from water by hybrid microfiltration (MF) processes: process performance and membrane contamination analysis", 05/2006, p. 104-110, Priority Symposium on Environmental Pollution in Turkey V, Gebze, Turkey, 11.05.2006 - 12.05.2006

- O. İnce, O.Eyice, B.Kasapgil Ince, S. Sözen, G.Coşkuner, "Determination of Nitrification Bacteria in Fluorescent In situ Hybridization Technique in True Scaled Activated Sludge System", 06/2004, 9th Industrial Pollution Control Symposium, Istanbul , Turkey, 02.06.2004 - 04.06.2004
- D.Orhon, O.Ince, S.Sözen, G.Zengin, Ö.Karahan, "KUYUMCUKENT Wastewater Management", 06/2004, 9th Industrial Pollution Control Symposium, Istanbul, Turkey, 02.06.2004 - 04.06.2004
- O. İnce, B. K. İnce, "Evaluation of System Performance and the Number and Activity of Microbial Species in the Anaerobic Treatment of Wastewater in Lüleburgaz Efes Pilsen Plant", 06/2004, 9th Industrial Pollution Control Symposium, Istanbul, Turkey, 02.06.2004 - 04.06.2004
- O. İnce, N.Ayman Oz, M. Kolukırık, B.Kasapgil Ince, O.Eyice, "Evaluation of the Interaction of Microbial Composition and Activities with System Performance in True Scale Anaerobic Treatment of Alcoholic Wastewater", 06/2004, 9. Industrial Pollution Control Symposium, Istanbul, Turkey, 02.06.2004 - 04.06.2004
- O. İnce, O.Eyice, B.Kasapgil Ince, S. Sözen, "Determination of the effect of temperature on the effect of nitrification bacteria on fluorescence in situ hybridization technique in true scale activated sludge system", 06/2004, 9th Industrial Pollution Control Symposium, İstanbul, Turkey, 02.06.2004 - 04.06.2004
- O. İnce, M.Kolukırık, B.Kasapgil Ince, "System Performance in Anaerobic Treatment of Wastewaters of Tekel Canakkale Distillery Plant, Acetoclastic Methane Production Capacity and Time-Dependent Changes of Microbial Composition", 06/2004, 9th Industrial Pollution Control Symposium, Istanbul , Turkey, 02.06.2004 - 04.06.2004
- O. İnce, N.Ayman Oz, B.Kasapgil Ince, B. Kocarslan, "Performance Evaluation of Anaerobic Treatment System and Characterization of Biological Mud in Alcoholic Beverage Industry", 09/2002, p. 281-288, 8th Industrial Pollution Control Symposium, Istanbul, Turkey, 18.09.2002 - 20.09.2002
- A. Witness, B. B. Baykal, İ. E. Gönenç, O. İnce, "Example studies on the calculation of the spring loads of Istanbul in the water collecting basins", 06/1997, p. 145-153, Water Resources Conservation and Management Symposium, İSKİ General Directorate, Istanbul, 02.06.1997 - 03.06.1997
- B. B. Baykal, A. Witness, İ. E. Gönenç, M. Meriç, O. İnce, "Assessment of water quality in Istanbul by using a new classification approach", 06/1997, p. 137-144, Water Resources Conservation and Management Symposium, İSKİ General Directorate, Istanbul Turkey, 02.06.1997 - 03.06.1997
- B. B. Baykal, A. Witness, İ. E. Gönenç, M. Meriç, O. İnce, "A new approach to the classification of water resources", 05/1997, p. Volume I, 11-22, Symposium on Environmental Pollution Priorities in Turkey, Istanbul, Turkey, 22.05.1997 - 23.05.1997
- İ. E. Gönenç, B. B. Baykal, A. Witnesses, O. İnce, "A New Approach in Turkey's Water Resources Management", 05/1997, p. Volume II, 727-742, Symposium on Environmental Pollution Priorities in Turkey, Istanbul, Turkey, 22.05.1997 - 23.05.1997
- • B. Kasapgil İnce, O. İnce, "Comparison of optimum operating conditions of pre-acidification tanks in two-phase anaerobic treatment of wastewater for dairy, coffee and beer industries", 09/1996, 5th Industrial Pollution Control Symposium, Istanbul, Turkey, 25.09.1996 - 27.09.1996
- O. İnce, B. Kasapgil Ince, S. Özkan, "Comparison of optimum operating conditions of pre-

acidification tanks in anaerobic treatment of fermentation wastewater wastewaters", 09/1996, p. 385-393, 5th Industrial Pollution Control Symposium, Istanbul, Turkey, 25.09.1996 - 27.09.1996

- S. Celikkol, B.K. Determination of Microbial Variety in Anaerobic Treatment of Wastewater of Paper Industries by Denaturated Gradient Gel Electrophoresis (DGGE), 06/2008, 11th Industrial Pollution Control Symposium-EKK 11, Istanbul-Turkey , 11.06.2008 - 13.06.2008

BOOKS

- O. İnce, Z. Cetecioglu, E. G. Özbayram, M. M. Iglesias, B. İnce, N. Massalha, A. Robles, I. Sabbah, A. Seco, J. M. Lema, , S. Suarez Martinez (Ed.), "Anaerobic treatment of municipal wastewater in Innovative Wastewater Treatment & Resource Recovery Technologies: Impacts on Energy, Economy and Environment", 6/2017, ISBN: 978-178-040-786-9, IWA Publishing
- Bahar Ince, E. Gozde Ozbayram, Miguel M. Iglesias, Aurora Seco, Ángel Robles, Isam Sabbah, Nedal Massalha, Zeynep Cetecioglu and Orhan Ince, "State of the Art- Innovative Wastewater Treatment and Resource Recovery Technologies Impacts: Anaerobic Treatment ", 2016, COST Action: Conceiving Wastewater Treatment in 2020. Energetic, environmental and economic challenges (Water_2020) in press
- B. K. Ince, Z. Cetecioglu, O. Ince, "Pollution prevention in the pulp and paper industries: In Environmental Management.", 2011, ISBN: 978-953-307-229-6, InTech Publishing, Rijeka
- B.Ince, Nayman Oz, G. Türker, S. Celikkol, O. İnce, "Microbial ecology of anaerobic reactors for alcohol industry wastewaters: a review, Current Research, Technology and Education Topics in Applied Microbiology and Microbial Biotechnology, Vol 1, 988-999. ISBN (13): 978-84-614-6194-3
- O. Ince, M. Kolukirik, BK Ince, "Molecular Microbiology Ecology of Marmara Sea Sediments", 2010, Badajoz, Spain: FORMATEX RESEARCH CENTER, "Current Research, Technology and Education Topics in Applied Microbiology and Microbiology" , 53-63. ISBN (13): 978-84-614-6194-3.
- O İnce, Z. Çetecioglu, N. Ayman Oz, Ş. Celikkol, B. Kasapgil Ince, N. Aran (Ed.), "Evaluation of Waste Management and Byproducts in Food Industry: Food Biotechnology", 5/2010, ISBN: 978-605-395-299-2, Istanbul: Nobel Kitabevi

CONSULTANCES AND APPLIED ENGINEERING PROJECTS

- Technical Assessment Report on the Landfill of Hazardous Wastes, Ünifar Kimya San. And Tic. Inc., October 2016
- Eral Atik Management Inc. Evaluation of the Technological Appropriateness of the Facility that Manufactures Hazardous / Non-Hazardous Sewage Sludge by Drying Powder Particle and Granule and Determination of the Cost of Investment Special Expertise Report August 2015
- Zeynep Giyim San. Tic. Inc. Assessment of Waste Water Treatment Plant and Outflow Water Analysis Results in Environmental Legislation May 2015
- Assessment of Cost Plus Method in Construction Projects Report May 2015
- Report on the Determination of the Cost of Construction Dental Refurbishment Applications May 2015
- System Metal Construction and Advertisement Materials. Singing. And Tic. Assessment of the Results of the Household Wastewater Treatment Plant and the Outflow Analysis Results in the Scope of Environmental Legislation March 2015

- Unilever Konya Vector Project Determination of Seasonal Environmental Pollution (Soil, Underground and Surface Water, Air, Noise and Vibration) Project, 2014
- R & D Project for Unilever Sarıgazi Algida Pilot Plant Hammade and Water Recycling and Waste Minimization (2014)
- Unilever Konya Vector (Detergent) Project EIA Consultancy Service (2014)
- Unilever Konya Vector (Detergent) Project Environmental Consultancy Service (2014)
- Unilever Konya Vector (Detergent) Plant Wastewater Management R & D Project (2014)
- Identification of Flood Hazards and Identification of Engineering Measures for Protection Project, UNIPRO Gıda San. And Tic. Inc. Corlu Plant (2013)
- Wastewater Management and Pilot Zone Implementation in Distributed Settlements of the Districts of Pazar-Ardeşen, Eastern Black Sea Region, Sustainable Living Plan Project, UNILEVER Türkiye A.Ş. (2013)
- Evaluation Report in the Context of Environmental Pollution, Mining and Road Construction Legislation and Applications of Crushed Stone Powders Collected Before Production and Raw Materials Used in Gulf Asphalt Building Production Process, KOLİN İNŞAAT TURİZM SAN VE TİC. Inc. (2013)
- Algida Konya Ice Cream Factory Wastewater Pre-Treatment Plant Application Project, UNILEVER Türkiye A.Ş. (2013)
- Assessment of the Wastewater Treatment Plant Project of Kocaeli-Gebze V. (Chemistry) Specialized Industrial Zone in the Scope of Water Pollution Control Regulation (2012)
- Unilever Konya Algida Plant Wastewater Treatment Plant Technical Specification (2012)
- Unilever Konya Algida Plant Wastewater Treatment Plant Proposal Evaluation Report (2012)
- Karbosan Zımpara Taşı San. Inc. Veliköy Plant Environmental Management and Technology Applications; Evaluation Report of Wastewater Treatment Plant (2012)
- Karbosan Zımpara Taşı San. Inc. Sefaköy Plant Bakalite Semi-Finished Pressing Units Assessment of Dust Collection Systems in the Scope of the Regulation on the Control of Industrial Waste Air Pollution (2012)
- Istanbul Leather Organized Industrial Zone Existing Wastewater Treatment Plant Revision Current Status Assessment Report (2012)
- LEİTZ KESİCİ TAKIMLAR SAN VE TİC.A.Ş. Evaluation of Materials Used for Protecting Product in Cutter Tool and Tool Systems in the Scope of Packaging Regulation (2012)
- BÖHLER SERT MADEN VE TAKIM SAN VE TİC.A.Ş. Evaluation of Materials Used for Protecting Products in Cutting Tools and Wear Parts in the Scope of Packaging Regulation (2012)
- Istanbul Vadi Project Environmental and Infrastructure Services Consultancy, Artas-Aydınlı-Keles Adi Ortallığı (2012)
- Ertan Tekstil Örme Turizm İnş. Singing. And Tic. Ltd. Şti Wastewater Treatment Plant Evaluation of Outflow Water Analysis Results within the Scope of National and International Standards Special Expertise Report (2012)
- Karbosan Zımpara A.Ş. AR-GE Project for Determining the Most Favorable Treatment and Berteraf Techniques for Emery Stone Production Plant Wastewater (2012)
- Unilever Algida Ice Cream Plant Biological Wastewater Treatment Plant Sludge Determination of the Characteristics of Products That Can Produce Economic Value Research Project (2012)
- Unilever Algida Ice Cream Factory Treatment of Wastewater by Advanced Treatment Technologies and Determination of Design Principles for Water Recovery Research Project (2012)

- UNILEVER - Konya Algida Ice Cream Plant Construction Manual Environmental Management Plan Guide Book (February 2012)
- UNILEVER - Konya Algida Ice Cream Plant Construction Management Environmental Management Plan Field Checklist (February 2012)
- Unilever-Algida Konya Ice Cream Factory Preparation of EIA Application File (2011)
- Acquisition of Environmental Permits for Kolin Konya Crushing-Screening Plant (2011)
- Kolin Konya Crushing-Screening Plant EIA Report (2011)
- Acquisition of Environmental Permits for Kolin İzmit Asphalt Plant (2011)
- Acquisition of Environmental Permits for Kolin Nigde Concrete Batch Plant-Asphalt Plant (2011)
- Unilever-Sarıgazi Hair Cream-Shampoo and Detergent Pilot R & D Laboratory Preparation of EIA Application File (2011)
- Investigation of Bioenergy Production Potentials of Turkey's Animal and Agricultural Wastes and Development of Anaerobic Treatment Strategies (2011)
- Stone Quarry-Crushing-Screening Facility Environmental Consultancy (Antalya-Alanya) AL-BE Enerji A.Ş. (2011)
- GATAB - Southern Antalya Tourism Development and Infrastructure Business Association, Sustainable Environmental Investments, Evaluation for Operation of Compost Plant (2011)
- Adana Chamber of Commerce, Assessment of Adana Seyhan Dam Lake Wildlife Development Area (2011)
- İskenderun Demirçelik A.Ş. Steel Mill Mamur Thermal-Gravimetric Analysis Report (2011)
- Bekay Property Partners Antalya-Belek Management of Rural Qualified Tourism Investment in a Sustainable Environment Approach, Water Supply Project from Surface Waters (2011)
- Bekay Property Partners Antalya-Belek Management in the Direction of Sustainable Environmental Approach to Rural Tourism Investment, Protection from Trenches and Rain Water Drainage System Project (2011)
- Bekay Property Partners Antalya-Belek Management in line with the Sustainable Environment Approach for Rural Tourism Investment, Irrigation Water Network Project (2011)
- Bekay Property Partners, Antalya-Belek Management in the Direction of Sustainable Environmental Approach to Rural Qualified Tourism Investment, Wastewater Treatment Plant Project (2011)
- Kuyumcukent 2nd Stage Construction Provisional Acceptance Project, Kuyumcukent Gayrimenkul Yatırım A.Ş. (June 2011)
- Treatment Sludges and Solid Waste Removal Project-Project 9: Composting of Treatment Sludges, Bekay Property Partners (May 2011)
- Alarko-Carrier San. And Tic. Inc. Wastewater Evaluation Report (March 2011)
- Clariant Turkey Paint and Chemicals Materials San. And Tic. Inc. Wastewater Evaluation Report (March 2011)
- Colgate - Palmolive Cleaning Products San. And Tic. Inc. Wastewater Evaluation Report (March 2011)
- Siemens Industry and Trade Inc. Wastewater Evaluation Report (March 2011)
- Determination of Treatment Alternatives for Cattle Animal Wastes, Ufuk Tarım Hayvancılık A.Ş. (2011)

- Keşan Municipality, Yayla Municipality Wastewater Treatment Plant Project Preparation File (2011)
- AKSA Akrilik Kimya Sanayii A.Ş., Research and Development Studies for the Determination and Reduction of Greenhouse Gas / Carbon Emissions according to ISO 16064-1 (2010-2011)
- Zorlu Energy Electricity Generation Inc., Determination of Greenhouse Gas / Carbon Emissions - Preparation of the Carbon Disclosure Project Notice (2010)
- Coatcoil Boyalı Metal Production and Marketing Co., Assessment of recovery as solvent energy in paint line (2010)
- Organik Kimya Sanayii A.Ş., Evaluation of Wastewater Characterization Based on Treatability (2010)
- AKSA Akrilik Kimya Sanayii A.Ş., Scientific and Technical Evaluation of Discharge of Wastewater Increase Facility (2010)
- Keşan Municipality, Yayla Coast Wastewater Treatment Plant Application Project (2010)
- Scientific and technical evaluation of the feasibility of Sarıyer Demirciköy Mevkii Wastewater Treatment Plant in line with Environmental and Regional Planning and Development Restrictions (2010)
- Çev-Pet Petrol Products Recycling and Food Nakliyat Ltd., Research and Development Studies for the Establishment of Integrated Waste Processing and Recycling Facilities (2010-2019)
- Assessment of Water Conservation Problem Private Research-Development Project Report, GATAB (GÜNEY ANTALYA TOURISM ENVIRONMENTAL DEVELOPMENT AND INFRASTRUCTURE BUSINESS UNIT) (2010)
- South Antalya Tourism Infrastructure Development Association-GATAB Scientific and Technical Service Project for Solutions of Environmental Problems (2010)
- Pera Seramik San ve Tic.A.Ş. Technological Evaluation Report on the Compatibility of Waste Incineration Plant (2010)
- ENOVA Elektrik Üretim A.Ş. Osmaniye Hydroelectric Power Plant Eximbank Environmental Impact Assessment Report (2010)
- ES-YEL Electricity Generation Inc., 50 MW Ardıçlı Wind Farm Gold Standard Voluntary Emission Reduction Project, Evaluation of the Sustainable Development Indicators Matrix and Organization and Reporting of the Stakeholder Engagement Processes (2009)
- Özgür Elektrik A.Ş., Gold Standard Voluntary Emission Reduction, Paşa 9.43 MW Hydroelectric Power Plant Project Design Document (2009)
- Enova Electricity Generation Inc., World Bank-Based Ceyhan Hydroelectric Power Plant Environmental Impact Assessment (2009)
- T. C. Ministry of Environment and Forestry, Determination of Cleaner Production Technologies Related to Olive Operations and Wastewater Treatment Alternatives from Enterprises (2009)
- Çanakkale Liman İşletmesi San. And Tic. Inc. Scientific and Technological Principles on Properties and Operation of Waste Acceptance Facility Executive Summary (2009)
- Çanakkale Liman İşletmesi San. And Tic. Inc. Technical Notes on Properties and Operation of Waste Acceptance Plant (2009)
- Pera Seramik Sanayi ve Ticaret A.Ş. Technical Assessment Report on Waste as Fuel (2009)
- Aksa Enerji A.Ş. Antalya Natural Gas Power Plant GE Environmental Impact Assessment Report (2009)
- Çanakkale Liman İşletmesi Sanayi ve Ticaret A.Ş. Waste Admission and Recycling Facility Application Report (2009)



- BM Engineering and Construction Inc. Bolu Paşa Hidroelektrik Power Plant Preparation of a Project File for the Preparation of a Carbon Loan Under the Gold Standard and Technical Consultancy (2009)
- ATABERK San ve Tic A.Ş. Waste Recycling Facility Scientific and Technical Consultancy Service (2009)
- ÇEV-PET Atı Yağ Recycling Plant Wastewater Treatment Plant Project, Ministry of Environment and Forestry (2009)
- Çanakkale Liman İşletmesi San. And Tic. Inc. Legislative Appraisal Report on Waste Oil Processing in Waste Acceptance and Recovery Facility (2009)
- Treatment of Leaking Waters Special Research-Development Project Report, GATAB (GÜNEY ANTALYA TOURISM ENVIRONMENTAL DEVELOPMENT AND INFRASTRUCTURE BUSINESS ASSOCIATION) (2009)
- Review of Wastewater Problems Special Research-Development Project Report, GATAB (GÜNEY ANTALYA TOURISM ENVIRONMENTAL DEVELOPMENT AND INFRASTRUCTURE BUSINESS COMMITTEE) (2009)
- Evaluation Report on the Removal of Material to be Derived from Forage Piles During the Construction of Golden Horn Subway Subway Bridge in Accordance with Environmental Legislation, ASTALDI - GÜLERMAK JOINT VENTURE (2009)
- Çanakkale Liman İşletmesi San. And Tic. Inc. Evaluation of Business Facilities According to Related Legislation of Waste Acceptance Facility (2009)
- BM Engineering & Construction Inc. Assessment of the Energy Potential of Solid Waste and Sludge from Artvin - Rize Local Authorities Report (2009)
- Aksa Akrilik Kimya Sanayii A.Ş. Yalova 1st Criminal Criminal Law on the Discharge of the Wastewater Treatment Plant Scientific and Technical Evaluation Report on the Judgment in the Case of the File No. 2009/398 D.
- GATAB - Southern Antalya Tourism Development and Infrastructure Business Association, Research and Development Studies for Sustainable Environmental Investments - Treatment of Leaky Waters (2009-2011)
- GATAB - Southern Antalya Tourism Development and Infrastructure Business Association, Sustainable Environmental Investments - Water Supply (2009)
- GATAB - Southern Antalya Tourism Development and Infrastructure Business Association, Sustainable Environmental Investments - Sludge Treatment (2009)
- GATAB - Southern Antalya Tourism Development and Infrastructure Business Association, Sustainable Environmental Investments - Assessment and Improvement of Kemer Wastewater Treatment Plant (Capacity: 21.600 m³ / day) (2009)
- GATAB - Southern Antalya Tourism Development and Infrastructure Business Association, Sustainable Environmental Investments - Assessment and Improvement of Çamyuva Wastewater Treatment Plant (Capacity: 21.600 m³ / day) (2009)
- GATAB - Southern Antalya Tourism Development and Infrastructure Business Association, Sustainable Environmental Investments - Assessment and Improvement of Tekirova Wastewater Treatment Plant (Capacity: 9.500 m³ / day) (2009)
- GATAB - Southern Antalya Tourism Development and Infrastructure Business Association, Sustainable Environmental Investments - Assessment and Improvement of Kızıltepe (Göynük) Wastewater Treatment Plant (Capacity: 16,400 m³ / day) (2009)

- GATAB - Southern Antalya Tourism Development and Infrastructure Business Association, Sustainable Environmental Investments - Assessment and Improvement of Beldibi Wastewater Treatment Plant (Capacity: 23.700 m³ / day) (2009)
- Çanakkale Liman İşletmeleri A.Ş., Research and Development Studies on Disposal of Petroleum and Petroleum Derived Liquid Wastes Capacity of Waste Acceptance Facility (2009-2011)
- Pera Seramik Industry and Trade Co., Research and Development Studies for the Use of Waste as Additional Fuel (2009-2011)
- Kuyumcukent S.S. İstanbul Kuyumcu Sanatkarları Collective Workplace Building Cooperative, Determination of Technical Principles of Wastewater Treatment Plant (2009).
- Kuyumcukent S.S. İstanbul Kuyumcu Sanatkarları Collective Workplace Building Cooperative, Research and Development Studies for the Establishment of Hazardous Waste Control and Management System (2009)
- Lüleburgaz Municipality, Solid Waste Management System - Research and Development Studies for Determining System Parameters and Environmental Impacts (2009)
- Çanakkale Liman İşletmeleri A.Ş., Research and Development Studies for Improvement of Wastewater Treatment Plant (2009)
- AKÜDER, Research and Development Studies for Recovery of Heavy Metals in Waste Accumulators (2009)
- İstanbul Gold Refinery, Research and Development Studies on the Establishment of Technical Principles for Wastewater Treatment Plant (2009)
- BM Engineering and Construction Co., Research and Development Studies of Sustainable Environmental Investments of the Energy Potential of Solid Waste and Treatment Sludges from Artvin-Rize Local Administrations (2009)
- Research and Development Studies for the Creation of the Technological Roadmap on the Integrated Pollution Prevention and Control Directive Approach in Industries (2008-2011)
- Çanakkale Liman İşletmeleri A.Ş., Research and Development Studies for Waste Recycling (2008-2011)
- Çanakkale Liman İşletmesi Sanayi ve Ticaret AS Kepez Port Waste Oil Recycling Facility Technological Proficiency Report (2008-2010)
- Kırşehir Geycek Wind Power Plant Stakeholder Meeting and Technical Report (2008-2010)
- AL-YEL Electricity Generation Co., Kırşehir Geycek Wind Power Plant, Technical Consultancy for the Purchase of Carbon Credits (2008-2010)
- AL-YEL Electricity Generation Inc., 150 MW Geycek Wind Farm Gold Standard Voluntary Emission Reduction Project, Evaluation of the Matrix of Sustainable Development Indicators and Organization and Reporting of Stakeholder Participation Processes (2008)
- ÖZ-YEL Electric Manufacturing Co. , 100 MW Gaziosmanpaşa Rüzgar Çiftliği Gold Standard Voluntary Emission Reduction Project, Evaluation of the Matrix of Sustainable Development Indicators and Organization and Reporting of Stakeholder Participation Processes (2008)
- Çanakkale Liman İşletmeleri A.Ş., Optimization of Waste Recycling Plant Operation Conditions (2008)
- KOLIN CONSTRUCTION, TOURISM INDUSTRY AND TRADE INC., Environmental Investigation of Sectoral Basis Investments (2008-2009)
- KOLIN CONSTRUCTION, TOURISM INDUSTRY AND TRADE INC. General Inspection, Survey and Evaluation Project (2008-2009)

- Aksa Enerji A.Ş. Manisa Natural Gas Power Plant Wartsila Environmental Impact Assessment Report (2008)
- Aksa Enerji A.Ş. Antalya Natural Gas Environment Power Plant Siemens Exim Bank Environmental Impact Assessment Report (2008)
- Aksa Enerji A.Ş. Antalya Natural Gas Power Plant GE Exim Bank Environmental Impact Assessment Report (2008)
- Aksa Enerji A.Ş. Bolu Thermal Power Plant Exim Bank Environmental Impact Assessment Report (2008)
- İstanbul Gaziosmanpaşa Wind Power Plant Stakeholder Meeting and Technical Report (2008)
- Aksa Enerji A.Ş. Antalya Natural Gas Power Plant Air Quality Modeling (2008)
- Konya Ardıçlı Wind Power Plant Stakeholder Meeting and Technical Report (2008)
- KUYUMCUKENT 2nd Stage Construction Hazardous Waste Management Project (2008)
- ÇEV-PET Recycling Facility Technological Evaluation Report (2008)
- Liquid Salt Chemistry Textile San. Ve Tic. Ltd. Scientific and Technical Service Project for Fulfilling Legal Obligations on the Environment Legislation Framework (2008)
- Keşan Municipality Asphalt Plant Facility Project Presentation File (2008)
- Project on Determination of the Environmental Impacts of Waste Accumulators and the Basis for Recovery-Disposal, Aküder Accumulator and Recycling Industry Association (2008)
- Canakkale Liman İşletmesi San. And Tic. Inc. Evaluation of the Products Produced in the Recycling Plant Executive Summary (2008)
- Determination of the Environmental Impacts of the Industrial Waste Integrated Disposal Facility in the Eastern Mediterranean Region (2007)
- KUYUMCUKENT 2nd Project Project File in the Scope of Environmental Impact Regulation (2007)
- Doku A.Ş. Waste Oil Recycling Facility Technological Proficiency Report (2007)
- Istanbul Gold Refinery Waste Management Project (2006-2007)
- Eminönü Municipality, Waste and Environmental Risk Management (2006)
- Eminönü Municipality, Waste Management and Environmental Risk Management Strategies for Different Production Plans (2006)
- Technical Assessment of Keşan Municipality Solid Waste Regular Storage Facility Feasibility Report (2006)
- Keşan Municipality Solid Waste Regular Storage Facility Environmental Impact Assessment Report (2006)
- Technical Evaluation of the Feasibility Report of Keşan Municipality Wastewater Treatment Plant (2006)
- New Drug and Raw Materials San Ve Tic A.Ş. Waste Management Application Project (2006)
- Keşan-Erikli Municipality Wastewater Treatment Feasibility Report (2006)
- New Drug and Raw Materials San Ve Tic A.Ş. Environmental Impact Assessment Report (2006)
- Assan Alüminyum A.Ş. Dilovası Site Environmental Impact Assessment Report (2006)
- Koza Sinai Yaglar Ltd. Sti. Waste Oil Recycling Facility Technological Proficiency Report (2006)
- KUYUMCUKENT S.S. Istanbul Kuyumcu Sanatkarları Collective Workplace Building Cooperative, Determination of the Environmental Impact of the Insolvency Process (2006)
- KUYUMCUKENT S.S. Istanbul Kuyumcu Sanatkarları Collective Workplace Building Cooperative Construction Final Acceptance (2006)

- Lüleburgaz Municipality, Wastewater Treatment Plant Feasibility Study (2005-2007)
- Ağrı Municipality Solid Waste Regular Storage Facilities Application Project Design Report (2005)
- KUYUMCUKENT 1st Workshop and Store Bloom Waste Management Report (2005)
- KUYUMCUKENT S.S. İstanbul Kuyumcu Sanatkarları Collective Workplace Building Co-operative, Hazardous Chemical Materials and Waste Management Application Project; Workshop Decoration Report (2005)
- KUYUMCUKENT S.S. İstanbul Kuyumcu Sanatkarları Collective Workplace Building Co-operative Dangerous Chemical Materials and Waste Management Application Project, Worker Health and Workplace Safety Manual (2005)
- KUYUMCUKENT S.S. İstanbul Kuyumcu Sanatkarları Collective Workplace Building Co-operative Workshop Block and Treatment Plant Waste Management Implementation Project Report (2005)
- KUYUMCUKENT S.S. Temporary Acceptance of İstanbul Kuyumcu Sanatkarları Collective Workplace Building Co-operative Treatment Plant (2005)
- Assan Iron and Hair. Singing. Inc. Aluminum Facilities Environmental Status Report (2005)
- Assan Iron and Hair. Singing. Inc. Aluminum Operations; Environmental Monitoring Report (2005)
- Assan Iron and Hair. Singing. Inc. Aluminum Operations; IFC Environmental and Social Monitoring Report (2005)
- Keşan-Yayla Town Environmental Master Plan (2005)
- Telateks Textile Products Industry And Trade Inc. Project Introductory File within the scope of Environmental Impact Assessment Regulation (2005)
- KUYUMCUKENT S.S. Provisional Acceptance of Construction Works of İstanbul Jewellery Craftsmen Building Cooperatives (2005)
- KUYUMCUKENT Treatment Plant Revision Report (2004)
- KUYUMCUKENT Wastewater Treatment Plant Monitoring and Supervision Project (2004)
- Edirne-Keşan-S.Seki Tourism Development Cooperative Wastewater Treatment Plant Revision Report (2004)
- Ece Boya Kimya San. And Tic. Ltd. Sti. EIA Preliminary Survey Report T.Ç. Ministry of Environment (2004)
- KUYUMCUKENT Solid Waste Management Report (2003)
- KUYUMCUKENT Treatment Plant Technical Specification (2003)
- Favorite Hediyeelik Eşya Sanayii ve Pazarlama Ltd.Şti Waste Management Report (2003)
- Favorite Gift Warehouse Sanayii ve Pazarlama Ltd.Şti Water Preparation and Wastewater Treatment Plant Special Technical Specification (2003)
- Assan Iron and Hair. Singing. Inc. Tuzla Aluminum Facilities Environmental Status Report (2003)
- Assan Iron and Hair. Singing. Inc. Aluminum Operations; Environmentla Monitoring Report (2003)
- Assan Iron and Hair. Singing. Inc. Aluminum Operations; IFC Environmental and Social Monitoring Report (2003)
- Ramzey Motorsiklet San. Tic. Ltd. Sti. Environmental Impact Assessment Preliminary Survey Report T.Ç. Ministry of the Environment (2003)

- Çolakoğlu Kimya San. And Tic. Ltd. Sti. Environmental Impact Assessment Report T.Ç. Ministry of Environment (2003)
- Assan Iron and Hair. Singing. Inc. Tuzla Aluminum Facilities Environmental Status Report (2002)
- Assan Iron and Hair. Singing. Inc. Aluminum Operations; Environmentla Monitoring Report (2002)
- Assan Iron and Hair. Singing. Inc. Aluminum Operations; IFC Environmental and Social Monitoring Report (2002)
- Özcanlar Örne San. And Tic. Inc., Çerkezköy Facilities Environmental Impact Assessment Report T.Ç. Ministry of Environment (2002)
- Trakya Kağıt San. And Tic.A.Ş. Corlu Plant Wastewater Discharge Assessment Report (2002)
- Kunt Elektronik AŞÇed Preliminary Survey Report T.Ç. Ministry of Environment (2001)
- Lakşaş Boya ve Kimya San. Import Export Ltd. Sti. Environmental Impact Assessment Preliminary Study Report, Ministry of Environment and Forestry (2001)
- Eczacıbaşı Karo Seramik San Ve Tic A.Ş.San. Environmental Impact Assessment Report, Ministry of Environment (2001)
- Assan Iron and Hair. Singing. Inc. Tuzla Aluminum Facilities Environmental Impact Assessment Preliminary Study Report, Ministry of Environment (2001)
- Farmatek Tarım San. Mümessillik Tic. Ltd. Sti. EIA Preliminary Research Report, Ministry of Environment (2001)
- Durusu Park Rural Life Project Environmental Impact Assessment Report. Ministry of Environment (1997)
- Preservation of Existing and Potential Drinking Water Resources of Istanbul: Sazlıdere Basin Conservation-Use Plan; Hydrology and Eutrophication Control. T. C. Ministry of Environment, August, Final Report (1996)
- Preservation of Existing and Potential Drinking Water Resources of Istanbul: Great Melen, Alacalı, Yeşilçay and Istranca Basin Conservation-Use Plan; Hydrology and Eutrophication Control. T. C. Ministry of Environment, Final Report (1996)
- Preservation of Existing and Potential Drinking Water Resources of Istanbul: Büyükçekmece Basin Conservation-Use Plan; Hydrology and Eutrophication Control. T. C. Ministry of Environment, General Directorate of Environmental Protection, December, Final Report (1995)
- Preservation of Existing and Potential Drinking Water Resources of Istanbul: Terkos Basin Conservation-Use Plan; Hydrology and Eutrophication Control. T. C. Ministry of Environment, December, Final Report (1995)
- Preservation of Existing and Potential Drinking Water Resources of Istanbul: Elmalı Basin Conservation-Use Plan; Hydrology and Eutrophication Control. T. C. Ministry of Environment, December, Final Report (1995)
- Preservation of Existing and Potential Drinking Water Resources of Istanbul: Darlık Basin Conservation-Use Plan; Hydrology and Eutrophication Control. T. C. Ministry of Environment, December, Final Report (1995)
- Preservation of Existing and Potential Drinking Water Resources of Istanbul: Alibeyköy Basin Conservation-Use Plan; Hydrology and Eutrophication Control. T. C. Ministry of Environment, December, Final Report (1995)
- Project for the protection of existing and potential drinking water resources of Istanbul: Ömerli basin emergency action plan; Contamination control and modeling. T. C. Ministry of Environment, June, Final Report (1995)

- The Riva and B.Cekmece outfalls marine site investigation for the revised alignment. T90 and Dispersion Studies Report 1, Istanbul University (1994)
- Protection of Lake Sapanca as a source of drinking water; Hydrology and modeling. T. C. Ministry of Environment, General Directorate of Environmental Protection, December Final Report (1994)
- Küçükçekmece lake water quality management. Küçükçekmece Municipality, Istanbul, June, Final Report (1990)

WORKSHOPS

- Workshop on Microbial Ecology and Technology of Anaerobic Degradation ", 08.09.2014 - 09.09.2014, Istanbul
- Workshop on Energy Efficient Technologies: Water 2020, 2014, Istanbul
- Workshop on Microbial Ecology and Technology of Anaerobic Degradation ", 08.09.2014 - 09.09.2014, Istanbul
- Identification and Treatment of Environmental Risks, Solid Liquids and Gas Wastes, Trainings on Pollution Prevention Studies, 1995-2014
- Denaturated Gradient Gel Electrophoresis (DGGE) Applied Training Course, 14.10.2012 - 14.10.2012, Istanbul
- Fluorescent Onsite Hybridization (FISH) Applied Training Course, 13.10.2012 - 13.10.2012, Istanbul
- Bioinformatics Practical Training Course, 07.10.2012 - 07.10.2012, Istanbul
- Cloning and Sequence Analysis Applied Training Course, 06.10.2012 - 06.10.2012, Istanbul
- Western Blotting Applied Training Course, 08.09.2012 - 09.09.2012, Istanbul
- 2-D SDS-PAGE Applied Training Course, 06.09.2012 - 07.09.2012, Istanbul
- RNA Detection and Counting with Reverse Transcription (RT) and Real-Time PCR Applied Training Course, 17.07.2012 - 17.07.2012, Istanbul
- DNA Detection and Counting with Real-Time PCR Applied Training Course, 16.07.2012 - 16.07.2012, Istanbul
- RNA Based Molecular Methods Applied Training Course, 26.09.2011 - 27.09.2011, Istanbul
- DNA Based Molecular Methods Applied Training Course, 24.09.2011 - 25.09.2011, Istanbul
- RNA Based Molecular Methods Applied Training Course, 04.06.2011 - 05.06.2011, Istanbul
- DNA Based Molecular Methods Applied Training Course, 02.06.2011 - 03.06.2011, Istanbul
- ATHENS Program - Molecular Tools to Study Microbial Ecology, 15.03.2010 - 19.03.2010, Istanbul
- ATHENS Program - Molecular Tools to Study Microbial Ecology, 16.11.2009 - 20.11.2009, Istanbul
- ATHENS Program - Molecular Tools to Study Microbial Ecology, 16.03.2009 - 20.03.2009, Istanbul
- ATHENS Program - Molecular Tools to Study Microbial Ecology, 17.11.2008 - 21.11.2008, Istanbul
- Fluorescent On-Site Hybridization (FISH) Applications in Biotechnology Training Course, 18.06.2008 - 20.06.2008, Istanbul
- Polymerase Chain Reaction (PCR), Cloning and Phylogenetic Analysis Applications in Biotechnology Training Course, 16.06.2008 - 17.06.2008, Istanbul
- Biotechnology Polymerase Chain Reaction (PCR) - Real Time Polymerase Chain Reaction (Q-PCR) Applications Training Course, 30.01.2008 - 31.01.2008, Istanbul



- Biotechnology Polymerase Chain Reaction (PCR) - Denaturated Gradient Gel Electrophoresis (DGGE) Applications Training Course, 28.01.2008 - 29.01.2008, Istanbul
- Fluorescent On-Site Hybridization (FISH) Applications in Biotechnology Training Course, 25.06.2007 - 27.06.2007, Istanbul
- Fluorescent In situ Hybridization (FISH) Applications in Biotechnology Training Course, 20.06.2007 - 22.06.2007, Istanbul

COURSES GIVEN TODAY

- Water Quality
- Introduction to Environmental Engineering (Waste, Liquid, Gas and Other Waste and Management)
- Environmental Basin Planning
- Principles of Environment Modeling
- Principles of Environmental Modeling
- Fundamentals of Anaerobic Treatment
- Anaerobic Treatment Prozesse
- Design and Operation of Anaerobic Treatment Processes
- Application of Membrane Technologies in Water and Wastewater Treatment
- Biological Processes
- Experimental Characterization of Biological Wastewater Treatment
- Fundamentals of Environmental Biotechnology
- Biochemical Conversion of Anaerobic Treatment Processes
- Modern Scientific Tools in Biotechnology
- Microbial Genetics in environmental Engineering
- Biofilm Theory and Practice

34

PATENTS

1. PATENTED FINDINGS

- **Group A Beta-Hemolytic Streptococcus pyogenes DNA Isolation and Q-PCR Detection Kit.**

Application Office: Ankara Patent Office

Application Date: 2012

Patent Registration Date: November 26, 2016

Patent No: 2012/13624

ENGY Environment and Energy Technologies Biotechnology AR-GE Ltd.Şti,

BÜN Technopark

Tenancy Brochure and User's Guide

2. FINDINGS THAT COMPLETE THE PRE-EVALUATION AND INTERNATIONAL PATENT APPLICATIONS

ITUNOVA TTO and Boğaziçi University TTO has been determined that the inventions have been awarded the benchmark and innovation criteria because of the specificity of the inventions in the preliminary research reports coming from the patent offices as a result of the applications made under the inventions defined below and it is reported that the inventions can be patented for these reasons. International patent applications have been made for these inventions.

International Patent Application (PCT) filed on Dec. 28, 16, with PCT / TR2016 / 050550 filed on the invention entitled "A METHOD FOR IMPROVEMENT BIOGAS POTENTIAL OF ANAEROBIC DIGESTERS WITH USING COMPOSITE INCLUDING RUMEN FUNGI".

- International Patent Application (PCT) filed on 28.12.2016 with PCT / TR2016 / 050558 in connection with our invention, entitled "A METHOD FOR IMPROVEMENT BIOENERGY POTENTIAL FROM MICROALGAE".

- We have filed with the file number 36576.01 and the application number 2016/20350 on 30/12/2016, titled "DEVELOPMENT OF METHOD FOR ECONOMICALLY INCREASING THE PRODUCTION OF BIOMETERS BY MACROALLY USING MICROBIOLOGICAL COCKTAIL WITH RUMEN FRAGMENTS".

- We have filed an application for International Patent Application No. PCT / TR2017 / 050036 on 20.01.2017, entitled "METHOD FOR INCREASING THE METRICITY INCREASES BY ADDING ANAEROBIC CURUTUCULERE (COBAC-M) OF SELFLOWERED BACTERIA COCKTAIN (CERAMIC BACTERIA COCKTAIL FROM ANAEROBIC REACTORED FROM A SORGUM BREATH ADAPTED)".

- "METHOD FOR INCREASING THE METRICITY BY INCREASING THE ANAEROBIC CURUTUCULERE IN THE SELF-LIQUID BACTERIUM COCKTAIL (CEBAC-G) PREPARED WITH A ROLLED LIQUID MOLECULAR KNEE" was filed on 20.01.2017 under PCT / TR2017 / 050035 for the International Patent Application.

- METHOD OF INCREASE METHODS IN SELENOTIC BACTERIA COCKTAIL (CEBAC-S) WITH ANAEROBIC DRUGS "filed on PCT / TR2017 / 050034 on 20.01.2017 for the International Patent Application.

3. FINAL EVALUATION COMPLETED AND PATENT PROGRESS ON INVESTIGATIONS

ITUNOVA TTO and Boğaziçi University TTO has been determined that the inventions have been awarded the benchmark and innovation criteria because of the specificity of the inventions in the preliminary research reports coming from the patent offices as a result of the applications made under the inventions defined below and it is reported that the inventions can be patented for these reasons. National and international patent applications are being made for these inventions.

- "A Method Of Providing Petrol-Treated Soils For Biological Optimization"
Application Office: Istanbul Technical University, Technology Transfer Office
Application Date: December 2016
Pre-Evaluation Report Date: 12 December.2016

- "Cellulose Bacterium Cocktail (Cebac-S) Providing Increasing Meter Production By Adding Anaerobic Circulator"
Application Office: Istanbul Technical University, Technology Transfer Office
Application Date: December 2016
Pre-Evaluation Report Date: 12 December.2016

- "Specific Cellulose Bacteria Cocktail (Cebac-C): Increasing The Meter Benefit In The Anaerobic Cycle"
Application Office: Boğaziçi University, Technology Transfer Office
Application Date: December 2016
Pre-Evaluation Report Date: 26 December.2016

4. PATENTED GENE SEQUENCES

A total of 332 non-cultured microorganisms have been identified in our studies and registered with international GenBankers (www.ebi.ac.uk):

Laboratory-scale anaerobic consecutive cut-off reactant-specific 21 bacterial 16S rRNA gene sequences:

Between FR836435-FR836454 and FR836458

The laboratory-scale anaerobic consecutive cut-off reactant-specific 15 arkeyal 16S rRNA gene sequence:

Between FR836460-FR836465 and FR836467-FR836475

87 bacterial 16S rRNA gene sequences specific to the Marmara Sea:

AM998370.1 GI: 187936525 to AM998334.1 GI: 187936489

AM991021.1 GI: 187272393 to AM991019.1 GI: 187269279

AM991018.1 GI: 187268906 to AM990998.1 GI: 187268886

Between AM980579.1 GI: 172052209 and AM980553.1 GI: 172052183

180 arkeyal 16S rRNA gene sequence specific to the Marmara Sea:

AM998451.1 GI: 188032345 to AM998376.1 GI: 188032270

AM998475.1 GI: 188026996 to AM998452.1 GI: 188026973

AM992726.1 GI: 187782702 to AM992675.1 GI: 187782651

Between AM980607.1 GI: 172052237 and AM980580.1 GI: 172052210

Species 8 alkylsuccinate synthase gene (hydrocarbon degradation) to the Sea of Marmara:

Between ADF97476.1 GI: 295314240 and ADF97469.1 GI: 295314226

10 benzylsuccinate synthase specific (hydrocarbon degradation) specific to the Marmara Sea:

ADF36107.1 between GI: 294768284 and ADF36098.1 GI: 294768266

11 hydrazine oxidizing protein gene specific to the Sea of Marmara (ANAMMOX):

Between ADF36116.1 GI: 294768302 and ADF36108.1 GI: 294768286

Between ADF36097.1 GI: 294768264 and ADF36096.1 GI: 294768262

The laboratory-scale anaerobic consecutive cut-off reactant specific 10 bacterial 16S rRNA gene sequences:

Between FRKJ018699.1 and FRKJ018690.1

Laboratory-scale anaerobic consecutive cut-off reactant-specific 19 arkeyal 16S rRNA gene sequences:

Between FRKJ018689.1 and FRKJ018671.1