

Prof. Güleda ENGİN

Personal Information

Office Phone: [+90 212 383 5404](tel:+902123835404)

Fax Phone: [+90 212 383 5358](tel:+902123835358)

Email: gengin@yildiz.edu.tr

Web: <https://avesis.yildiz.edu.tr/gengin>

Address: Yıldız Teknik Üniversitesi İnşaat Fakültesi Çevre Mühendisliği Bölümü 34220
Esenler, İstanbul



International Researcher IDs

ScholarID: 9fjGowwAAAAJ

ORCID: 0000-0002-3841-8440

Publons / Web Of Science ResearcherID: AAF-5536-2019

ScopusID: 6701484644

Yoksis Researcher ID: 3532

Education Information

Doctorate, Imperial College of Science, Technology and Medicine, Mühendislik Fakültesi,
Kimya Ve Proses Mühendisliği, United Kingdom 1997 - 2000

Postgraduate, University of Hertfordshire, Mühendislik Fakültesi, İnşaat Mühendisliği, United
Kingdom 1994 - 1997

Undergraduate, Dokuz Eylül University, Mühendislik Fakültesi, Çevre Mühendisliği, Turkey
1988 - 1992

Dissertations

Doctorate, DEVELOPMENT OF ANIONIC CLAYS FOR WATER TREATMENT, Imperial College of Science, Technology and
Medicine, Faculty of Engineering, Chemical and Process Engineering, 2000

Postgraduate, CHARACTERISATION OF SEWAGE AND SEWAGE ODOURS USING AN ELECTRONIC NOSE, University of
Hertfordshire, Faculty of Engineering, Civil Engineering, 1997

Research Areas

Environmental Engineering, Environmental Technology, Waste Water Collection and Treatment, Water Pollution and
Control, Engineering and Technology

Academic Titles / Tasks

Professor, Yıldız Technical University, Faculty Of Civil Engineering, Department Of Environmental Engineering, 2012 -
Continues

Associate Professor, Gebze Yüksek Teknoloji Enstitüsü, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, 2005 - 2012

Assistant Professor, Gebze Yüksek Teknoloji Enstitüsü, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, 2001 - 2005

Academic and Administrative Experience

Director of The Institution, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, 2024 - Continues

Enstitü Yönetim Kurulu Üyesi, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, 2015 - Continues

Yıldız Teknik Üniversitesi, Faculty of Civil Engineering, 2014 - Continues

Yıldız Teknik Üniversitesi, Çevre Mühendisliği, 2012 - Continues

Courses

Küresel İklim Değişikliği, Postgraduate, 2020 - 2021

Renewable Energy Systems, Undergraduate, 2017 - 2018

Water Quality Control, Undergraduate, 2017 - 2018

Kirlilik Taşınım Süreçleri, Doctorate, 2017 - 2018

Introduction to Environmental Engineering, Undergraduate, 2017 - 2018

Advising Theses

Engin G., Tekstil Endüstrisi Kaynaklı Atık Masuruların Geri Dönüşüm İle Döngüsel Ekonomiye Kazandırılması, Postgraduate, G.SARAÇ(Student), 2020

Engin G., Anaerobik çürütücü çıkış suyu kullanılarak aktif çamurdan anammox bakterilerinin zenginleştirilmesi, Postgraduate, E.SAĞIR(Student), 2018

Engin G., Süt endüstrisi atıksuyu ile beslenen membran biyoreaktörde çamur karakteri ve arıtma veriminin izlenmesi, Postgraduate, M.SARAL(Student), 2018

ENGİN G., Aerobik Membran Biyoreaktörlerde Farklı Karbon/Azot Oranına Sahip Atıksuların Arıtımı ve Aktif Çamur Özelliklerinin Değişimi, Doctorate, H.Sarı(Student), 2017

Engin G., Treatment of municipal wastewater by membrane bioreactor, Postgraduate, M.TANVIR(Student), 2017

ENGİN G., Efficiency of Quorum Sensing Inhibitors In Membrane Bioreactors, Doctorate, N.Bakaraki(Student), 2017

Engin G., Batık membran biyoreaktör sisteminde aktif çamur reolojisi, Postgraduate, G.GÜNALP(Student), 2016

ENGİN G., Fosfor Kirliliğinin Bir Karar Destek Modeli İle İncelenmesi – Porsuk Baraj Gölü Havzası Örneği, Doctorate, M.ÇELEN(Student), 2016

ENGİN G., Bütünleşik Havza Yönetimi Karar Verme Mekanizmasına Oyun Teorisinin Potansiyel Katkısının Belirlenmesi, Doctorate, N.ÜÇLER(Student), 2016

Engin G., Membran Biyoreaktörde Respirimetrik Yöntem ile Kinetik ve Stokiyometrik Parametrelerin Belirlenmesi, Postgraduate, A.ÇAĞLAK(Student), 2015

Engin G., Membran Biyoreaktörde Farklı C/N Oranlarına Sahip Atıksuların Arıtılması, Postgraduate, B.KULİL(Student), 2015

Engin G., Türkiye ve Dünya'da İklim Değişikliği Eylem Planları, Postgraduate, R.Anıl(Student), 2015

Engin G., Entegre Katı Atık Yönetimi: Edremit Örneği, Postgraduate, S.Kaç(Student), 2014

Engin G., İklim Değişikliğinin Su Kaynaklarına Etkisi, Postgraduate, A.Adiller(Student), 2014

Engin G., Püskürtme Çevrimli Reaktörde Kütle Transfer Özelliklerinin Belirlenmesi, Postgraduate, L.Akbulut(Student), 2012

Engin G., Farklı Özellikte Deniz Sularından Entegre Ters Ozmoz Sistemi ile İçme Suyu Eldesi, Postgraduate, E.Güler(Student), 2011

Engin G., Kuru Aktif Çamur Ve Spirulina Platensis Kullanılarak Cu+2 Biyosorpsiyonu, Postgraduate, B.Müftüoğlu(Student), 2010

Engin G., Öncel M. S., Arıtma Çamurlarının Hacminin Azaltılması Ve Yeniden Kullanımının İncelenmesi, Postgraduate, N.Ömürlü(Student), 2010

Engin G., Doğal organik maddelerin adsorpsiyon yöntemi ile giderimi, Postgraduate, G.Şahin(Student), 2009
Engin G., Ardişık Kesikli Reaktörlerde Organik Madde Giderimi, Postgraduate, Z.Pınar(Student), 2009
Engin G., Dimoglo A., Çevreye Etki Eden Kimyasal Toksik Bileşiklerin Moleküler Modelleme İle İncelenmesi, Postgraduate, Ş.Duran(Student), 2008
Engin G., Aktif Çamur Biyokütlesi Üzerine Farklı Etken Maddelere Sahip Antibiyotik Türlerinin Toksikite Etkisinin Belirlenmesi, Postgraduate, T.Öztürk(Student), 2008
Engin G., Farklı Boy Gruplarında Fitoplanktonik Organizmalar Kullanılarak Atıksulardan Cr+6 Biyosorpsiyonu, Postgraduate, S.Aksoy(Student), 2007
Engin G., Evsel Nitelikli Atıksuların Ters Ozmoz Kullanılarak Geri Kazanımı, Postgraduate, B.Sınmaz(Student), 2007
Engin G., Tekstil Endüstrisinde Kullanılan Çeşitli Boyarmaddelerin Aktif Karbon İle Gideriminin İncelenmesi, Postgraduate, A.Faik(Student), 2007
Engin G., Genetik Algoritmaların Su Kalitesi Optimizasyonunda Kullanılması, Postgraduate, E.Orak(Student), 2006
Engin G., Öztürk M., Biyolojik Sülfid Oksidasyonu ile Sülfid Giderimi, Postgraduate, B.Yavuz(Student), 2004
Engin G., Çevre Mühendisliğinde Bulanık Mantık ve Yapay Sinir Ağı Uygulamaları, Postgraduate, İ.Demir(Student), 2004
Engin G., Hidrotalsit Benzeri Killerle Siyanür Giderimi, Postgraduate, S.Cerrahoğlu(Student), 2004
Engin G., Manyetit ve Manyetit Benzeri Killerin Atıksu Arıtımında Kullanılabilirliği, Postgraduate, Ö.Şahin(Student), 2003
Engin G., Gebze ve Tuzla Bölgelerindeki Yeraltı Sularının İçme ve Kullanma Suyu Temini için Mikrofiltrasyon Membran Teknolojisi ile Arıtılabilirliği, Postgraduate, B.Sadıklar(Student), 2002

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Treatment of textile wastewater in a single-step moving bed-membrane bioreactor: Comparison with conventional membrane bioreactor in terms of performance and membrane fouling**
Tecirli E. S., Akgun K., ÇAĞLAK A., SARI ERKAN H., Onkal Engin G.
Water and Environment Journal, vol.38, no.3, pp.465-480, 2024 (SCI-Expanded)
- II. **Removal of two antidepressant active pharmaceutical ingredients from hospital wastewater by polystyrene-coated magnetite nanoparticles-assisted batch adsorption process**
DALGIÇ BOZYİĞİT G., Zaman B. T., ÖZDEMİR O. K., Kılınç Y., Chormey D. S., BAKIRDERE S., ENGİN G.
Environmental Monitoring and Assessment, vol.196, no.1, 2024 (SCI-Expanded)
- III. **Microplastics in advanced biological wastewater treatment plant of Kocaeli, Turkey: point source of microplastics reaching Marmara Sea**
SARI ERKAN H., Emik H., Onkal Engin G.
International Journal of Environmental Science and Technology, vol.21, no.2, pp.1263-1284, 2024 (SCI-Expanded)
- IV. **Chemical oxygen demand and tannin/lignin removal from paper mill wastewater by electrocoagulation combined with peroxide and hypochlorite treatments**
ÇAĞLAK A., SARI ERKAN H., Onkal Engin G.
Environmental Technology (United Kingdom), vol.45, no.15, pp.3076-3094, 2024 (SCI-Expanded)
- V. **Spatio-temporal distribution of microplastic pollution in surface sediments along the coastal areas of Istanbul, Turkey**
SARI ERKAN H., Takatas B., Ozturk A., GÜNDOĞDU S., AYDIN F., KÖKER DEMO L., ÖZDEMİR O. K., ALBAY M., Onkal Engin G.
Marine Pollution Bulletin, vol.195, 2023 (SCI-Expanded)
- VI. **Development of a watershed information system for a vulnerable basin: the case of Ergene basin**
Adiller A., ENGİN G.
International Journal of Environmental Science and Technology, vol.20, no.6, pp.6519-6530, 2023 (SCI-Expanded)
- VII. **Characterization and Removal of Microplastics in Landfill Leachate Treatment Plants in Istanbul, Turkey**
Kara N., SARI ERKAN H., ENGİN G.
ANALYTICAL LETTERS, vol.56, no.9, pp.1535-1548, 2023 (SCI-Expanded)
- VIII. **Contribution for pollution sources and their assessment in urban and industrial sites of Ergene**

River Basin, Turkey

Celen M., Oruc H. N., Adiller A., Tore G. Y., Engin G.

INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, vol.19, no.12, pp.11789-11808, 2022 (SCI-Expanded)

- IX. **Performance evaluation of ceramic membrane bioreactor: effect of operational parameters on micropollutant removal and membrane fouling**
Çağlak A., Chormey D. S., Bakirdere S., Engin G.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.29, no.45, pp.68306-68319, 2022 (SCI-Expanded)
- X. **Removal of twelve endocrine disrupting compounds from wastewater using two laboratory-scale batch-type bioreactors**
Chormey D. S., Çağlak A., Durak B. Y., Zaman B. T., Engin G., Bakirdere S.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, vol.19, no.8, pp.7539-7546, 2022 (SCI-Expanded)
- XI. **Polystyrene-Coated Magnetite Nanoparticles Based Dispersive Micro-Solid Phase Extraction of Active Pharmaceutical Ingredients of Antidepressant Drugs and Determination by GC-MS**
DALGIÇ BOZYIĞİT G., Zaman B. T., ÖZDEMİR O. K., Kilinc Y., Chormey D. S., ENGİN G., BAKIRDERE S.
CHEMISTRYSELECT, vol.7, no.10, 2022 (SCI-Expanded)
- XII. **Trace level determination of eleven nervous system-active pharmaceutical ingredients by switchable solvent-based liquid-phase microextraction and gas chromatography-mass spectrometry with matrix matching calibration strategy**
DALGIÇ BOZYIĞİT G., Ayyildiz M. F., Chormey D. S., ENGİN G., BAKIRDERE S.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.194, no.2, 2022 (SCI-Expanded)
- XIII. **Decolorization of textile wastewater by electrooxidation process using different anode materials: Statistical optimization**
Turan N. B., SARI ERKAN H., İLHAN F., ENGİN G.
WATER ENVIRONMENT RESEARCH, vol.94, no.1, 2022 (SCI-Expanded)
- XIV. **Removal of selected pesticides, alkylphenols, hormones and bisphenol A from domestic wastewater by electrooxidation process**
Bozyigit G., Ayyildiz M. F., Chormey D. S., Turan N. B., Kapukiran F., Engin G., BAKIRDERE S.
WATER SCIENCE AND TECHNOLOGY, vol.85, pp.220-228, 2022 (SCI-Expanded)
- XV. **Atrazine: From Detection to Remediation - A Minireview**
Bakaraki Turan N., Zaman B. T., Chormey D. S., Onkal Engin G., BAKIRDERE S.
ANALYTICAL LETTERS, vol.55, no.3, pp.411-426, 2022 (SCI-Expanded)
- XVI. **Microplastic pollution in seabed sediments at different sites on the shores of Istanbul-Turkey: Preliminary results**
SARI ERKAN H., Bakaraki Turan N., ALBAY M., ENGİN G.
Journal of Cleaner Production, vol.328, 2021 (SCI-Expanded)
- XVII. **Current status of studies on microplastics in the world's marine environments**
Bakaraki Turan N., SARI ERKAN H., ENGİN G.
Journal of Cleaner Production, vol.327, 2021 (SCI-Expanded)
- XVIII. **A preliminary study on the distribution and morphology of microplastics in the coastal areas of Istanbul, the metropolitan city of Turkey: The effect of location differences**
SARI ERKAN H., Turan N. B., Albay M., ENGİN G.
JOURNAL OF CLEANER PRODUCTION, vol.307, 2021 (SCI-Expanded)
- XIX. **Accurate Quantification of Nervous System Drugs in Aqueous Samples at Trace Levels by Binary Solvent Dispersive Liquid-Liquid Microextraction-Gas Chromatography Mass Spectrometry**
Dalgic Bozyigit G., Firat Ayyildiz M., Selali Chormey D., Onkal Engin G., Bakirdere S.
ENVIRONMENTAL TOXICOLOGY AND CHEMISTRY, vol.40, no.6, pp.1570-1575, 2021 (SCI-Expanded)
- XX. **Highlighting the cathodic contribution of an electrooxidation post-treatment study on decolorization of textile wastewater effluent pre-treated with a lab-scale moving bed-membrane bioreactor**
Bakaraki Turan N., Sarı Erkan H., İlhan F., Engin G.

- ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.1, pp.1-12, 2021 (SCI-Expanded)
- XXI. **Microplastics in wastewater treatment plants: Occurrence, fate and identification**
Bakaraki Turan N., Sarı Erkan H., Engin G.
Process Safety And Environmental Protection, no.146, pp.77-84, 2021 (SCI-Expanded)
- XXII. **Highlighting the cathodic contribution of an electrooxidation pretreatment study on waste activated sludge disintegration**
Sarı Erkan H., Bakaraki Turan N., Engin G.
Environmental Progress & Sustainable Energy, vol.1, pp.1-14, 2021 (SCI-Expanded)
- XXIII. **Dispersive Liquid-Liquid Microextraction Based Preconcentration of Selected Pesticides and Escitalopram Oxalate, Haloperidol, and Olanzapine from Wastewater Samples Prior to Determination by GC-MS**
DALGIÇ BOZYİĞİT G., Ayyıldız M. F., Chormey D. S., ENGİN G., BAKIRDERE S.
JOURNAL OF AOAC INTERNATIONAL, vol.104, no.1, pp.91-97, 2021 (SCI-Expanded)
- XXIV. **Performance evaluation of conventional membrane bioreactor and moving bed membrane bioreactor for synthetic textile wastewater treatment**
Sarı Erkan H., Çağlak A., Soysalolu A., Takatas B., Onkal Engin G.
JOURNAL OF WATER PROCESS ENGINEERING, vol.38, 2020 (SCI-Expanded)
- XXV. **Feasibility Studies on the Effect of Natural Plant Compounds on Sludge Characteristics in a Batch-Type Aerobic Reactor and N-butyryl-L Homoserine Lactone**
Turan N. B., Erkan H., Chormey D. S., Çağlak A., Bakirdere S., Engin G.
ANALYTICAL LETTERS, vol.53, no.15, pp.2431-2444, 2020 (SCI-Expanded)
- XXVI. **A comparative study of waste activated sludge disintegration by electrochemical pretreatment process combined with hydroxyl and sulfate radical based oxidants**
Sarı Erkan H., Engin G.
JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING, vol.8, 2020 (SCI-Expanded)
- XXVII. **Preliminary study testing the effects of tea and coffee on sludge characteristics and N-butyryl-L-homoserine lactone in an MBR system**
BAKARAKI TURAN N., CHORMEY D. S., SARI ERKAN H., ÇAĞLAK A., SARAL M., BAKIRDERE S., ENGİN G.
Environmental Technology, vol.41, no.1, pp.2085-2095, 2020 (SCI-Expanded)
- XXVIII. **Development of a sensitive and accurate method for the simultaneous determination of selected insecticides and herbicide in tap water and wastewater samples using vortex-assisted switchable solvent-based liquid-phase microextraction prior to determination by gas chromatography-mass spectrometry**
Bozyiğit G., Ayyıldız M. F., Chormey D. S., Engin G., Bakirdere S.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.192, no.5, 2020 (SCI-Expanded)
- XXIX. **Optimization of atrazine removal from synthetic groundwater by electrooxidation process using titanium dioxide and graphite electrodes**
Bakaraki Turan N., Sarı Erkan H., Çağlak A., Bakirdere S., Engin G.
Separation Science And Technology, vol.55, no.16, pp.3036-3045, 2020 (SCI-Expanded)
- XXX. **Determination of micropollutants in wastewater matrix using gas chromatography-mass spectrometry after optimization of dispersive liquid-liquid microextraction**
ÇAĞLAK A., Chormey D. S., ENGİN G., BAKIRDERE S.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, vol.16, no.11, pp.7285-7292, 2019 (SCI-Expanded)
- XXXI. **Binary dispersive liquid-liquid microextraction strategy for accurate and precise determination of micropollutants in lake, well and wastewater matrices**
Sarı Erkan H., Chormey D. S., Çağlak A., Dalgıç Bozyiğit G., Maltepe E., Engin G., Bakirdere S.
Bulletin Of Environmental Contamination And Toxicology, vol.103, pp.841-847, 2019 (SCI-Expanded)
- XXXII. **Nanoparticles in the aquatic environment: Usage, properties, transformation and toxicity—A review**
BAKARAKI TURAN N., SARI ERKAN H., ENGİN G., BİLGİLİ M. S.
Process Safety And Environmental Protection, vol.130, no.130, pp.238-249, 2019 (SCI-Expanded)

- XXXIII. **Ultrasound-assisted dispersive solid phase extraction based on Fe₃O₄/reduced graphene oxide nanocomposites for the determination of 4-tert octylphenol and atrazine by gas chromatography mass spectrometry**
Er E., ÇAĞLAK A., Engin G., BAKIRDERE S.
MICROCHEMICAL JOURNAL, vol.146, pp.423-428, 2019 (SCI-Expanded)
- XXXIV. **Simultaneous Determination of Fluoxetine, Estrone, Pesticides, and Endocrine Disruptors in Wastewater by Gas Chromatography-Mass Spectrometry (GC-MS) Following Switchable Solvent-Liquid Phase Microextraction (SS-LPME)**
ERARPAT S., ÇAĞLAK A., BODUR S., Chormey S. D., Engin G., BAKIRDERE S.
ANALYTICAL LETTERS, vol.52, no.5, pp.869-878, 2019 (SCI-Expanded)
- XXXV. **Performance and activated sludge characteristics at short solid retention time in a submerged MBR: effects of C/N ratio of wastewater**
Sarı Erkan H., Engin G.
Environmental Technology, vol.40, no.1, pp.2085-2092, 2019 (SCI-Expanded)
- XXXVI. **Modeling and optimizing Fenton and electro-Fenton processes for dairy wastewater treatment using response surface methodology**
Kurtoğlu Akkaya G., Sarı Erkan H., Sekman E., Top S., Karaman H., Bilgili M. S., Engin G.
International Journal Of Environmental Science And Technology, no.16, pp.2343-2358, 2018 (SCI-Expanded)
- XXXVII. **The investigation of chemical coagulation and electrocoagulation processes for tannery wastewater treatment using response surface methodology**
Erkan H., Guvenc S., Varank G., Engin G. O.
DESALINATION AND WATER TREATMENT, vol.113, pp.57-73, 2018 (SCI-Expanded)
- XXXVIII. **APPLICATION OF SUBMERGED MEMBRANE BIOREACTOR TECHNOLOGY FOR THE TREATMENT OF HIGH STRENGTH DAIRY WASTEWATER**
Erkan H., Günalp G., Engin G.
BRAZILIAN JOURNAL OF CHEMICAL ENGINEERING, vol.35, no.1, pp.91-100, 2018 (SCI-Expanded)
- XXXIX. **Preliminary investigation on the optimum ultrasound frequency for the degradation of TNT, RDX, and HMX**
İnce E., İnce M., Engin G., Bayramoğlu M. R.
GLOBAL NEST JOURNAL, vol.19, no.4, pp.733-738, 2017 (SCI-Expanded)
- XL. **Optimization of paper mill industry wastewater treatment by electrocoagulation and electro-Fenton processes using response surface methodology**
Guvenc S., ERKAN H., VARANK G., BİLGİLİ M. S., ENGIN G. O.
WATER SCIENCE AND TECHNOLOGY, vol.76, no.8, pp.2015-2031, 2017 (SCI-Expanded)
- XLI. **The investigation of paper mill industry wastewater treatment and activated sludge properties in a submerged membrane bioreactor**
Erkan H., Engin G. O.
WATER SCIENCE AND TECHNOLOGY, vol.76, pp.1715-1725, 2017 (SCI-Expanded)
- XLII. **Hazardous wastes and waste generation factors for plastic products manufacturing industries in Turkey**
Öncel M. S., Bektaş N., Bayar S., Engin G., Çalışkan Y., Salar L., Yetiş Ü.
SUSTAINABLE ENVIRONMENT RESEARCH, vol.27, no.4, pp.188-194, 2017 (SCI-Expanded)
- XLIII. **The investigation of shale gas wastewater treatment by electro-Fenton process: Statistical optimization of operational parameters**
Turan N. B., ERKAN H., ENGIN G.
PROCESS SAFETY AND ENVIRONMENTAL PROTECTION, vol.109, pp.203-213, 2017 (SCI-Expanded)
- XLIV. **Quorum sensing: Little talks for an effective bacterial coordination**
Turan N. B., Chormey D. S., Büyükpınar Ç., Engin G., Bakirdere S.
TrAC - Trends in Analytical Chemistry, vol.91, pp.1-11, 2017 (SCI-Expanded)
- XLV. **Activated sludge properties in a submerged membrane bioreactor: effect of COD/TKN ratio of wastewater**

Erkan H., Engin G., Kulil B., Günalp G.

INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, vol.14, pp.933-942, 2017 (SCI-Expanded)

- XLVI. **Wastewater treatment from shale gas operation by Fenton process: a statistical optimization**
ERKAN H., Turan N. B., ENGİN G.
DESALINATION AND WATER TREATMENT, vol.70, pp.125-133, 2017 (SCI-Expanded)
- XLVII. **Effect of carbon to nitrogen ratio of feed wastewater and sludge retention time on activated sludge in a submerged membrane bioreactor**
Erkan H., Engin G., Ince M., Bayramoglu M. R.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.23, pp.10742-10752, 2016 (SCI-Expanded)
- XLVIII. **Is climate change a threat for water uses in the Mediterranean region? Results from a survey at local scale**
La Jeunesse I., Cirelli C., Aubin D., Larrue C., Sellami H., Afifi S., Bellin A., Benabdallah S., Bird D. N., Deidda R., et al.
SCIENCE OF THE TOTAL ENVIRONMENT, vol.543, pp.981-996, 2016 (SCI-Expanded)
- XLIX. **Strength and durability characterization of pelletized coal-biomass household briquettes**
Engin G., Omurlu N., Oncel M. S.
INTERNATIONAL JOURNAL OF GREEN ENERGY, vol.13, no.2, pp.132-137, 2016 (SCI-Expanded)
- L. **Development of a sensitive liquid-liquid extraction method for the determination of N-butyryl-L-homoserine lactone produced in a submerged membrane bioreactor by gas chromatography mass spectrometry and deuterated anthracene as the internal standard**
Bakaraki N., Chormey D. S., Bakırdere S., Engin G. O.
ANALYTICAL METHODS, vol.8, pp.2660-2665, 2016 (SCI-Expanded)
- LI. **Statistical optimization of process parameters for tannery wastewater treatment by electrocoagulation and electro-Fenton techniques**
Varank G., Guvenc S. Y., Gurbuz G., Engin G. O.
DESALINATION AND WATER TREATMENT, vol.57, pp.25460-25473, 2016 (SCI-Expanded)
- LII. **Game theory and fuzzy programming approaches for bi-objective optimization of reservoir watershed management: a case study in Namazgah reservoir**
Ucler N., Engin G., Köçken H., Oncel M. S.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.22, no.9, pp.6546-6558, 2015 (SCI-Expanded)
- LIII. **COST ANALYSIS OF SEAWATER DESALINATION USING AN INTEGRATED REVERSE OSMOSIS SYSTEM ON A CRUISE SHIP**
Guler E., Engin O. G., Çelen M., Erkan H.
GLOBAL NEST JOURNAL, vol.17, pp.389-396, 2015 (SCI-Expanded)
- LIV. **Electrocoagulation of Tannery Wastewater using Monopolar Electrodes: Process Optimization by Response Surface Methodology**
VARANK G., ERKAN H., YAZICI S., DEMİR A., ENGİN G.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH, vol.8, no.1, pp.165-180, 2014 (SCI-Expanded)
- LV. **The effect of shock loading on the performance of a thermophilic anaerobic contact reactor at constant organic loading rate**
Senturk E., Ince M., Engin G. O.
JOURNAL OF ENVIRONMENTAL HEALTH SCIENCE AND ENGINEERING, vol.12, 2014 (SCI-Expanded)
- LVI. **NUTRIENT MODELLING IN COASTAL WATERS OF IZMIT BAY, TURKEY**
Engin G., Gurbulak E., Celen M., Ulu F., Oncel M. S.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.23, pp.3345-3352, 2014 (SCI-Expanded)
- LVII. **The effect of transient loading on the performance of a mesophilic anaerobic contact reactor at constant feed strength**
Senturk E., Ince M., Engin G. O.
JOURNAL OF BIOTECHNOLOGY, vol.164, pp.232-237, 2013 (SCI-Expanded)
- LVIII. **Landfill Leachate Treatment in Jet-Loop Membrane Bioreactor Operated Under Different Organic Loading Rates**

- Ince M., Senturk E., Engin Ö., Keskinler B.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH, vol.7, pp.827-834, 2013 (SCI-Expanded)
- LIX. **Assesment of Kinetic Parameters for Thermophilic Anaerobic Contact Reactor Treating Food-Processing Wastewater**
Senturk E., Ynce M., Onkal Engin G.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH, vol.7, pp.293-302, 2013 (SCI-Expanded)
- LX. **Dynamic biosorption characteristics and mechanisms of dried activated sludge and Spirulina platensis for the removal of Cu²⁺ ions from aqueous solutions**
Engin G., Muftuoglu B., Senturk E.
DESALINATION AND WATER TREATMENT, vol.47, pp.310-321, 2012 (SCI-Expanded)
- LXI. **Reuse feasibility of pre-treated grey water and domestic wastewater with a compact household reverse osmosis system**
Engin G., Ucar B. S., Senturk E.
DESALINATION AND WATER TREATMENT, vol.29, pp.103-109, 2011 (SCI-Expanded)
- LXII. **Kinetic evaluation and performance of a mesophilic anaerobic contact reactor treating medium-strength food-processing wastewater**
Senturk E., Ince M., Engin G. O.
BIORESOURSE TECHNOLOGY, vol.101, pp.3970-3977, 2010 (SCI-Expanded)
- LXIII. **Further treatment of landfill leachate by nanofiltration and microfiltration-PAC hybrid process**
Ince M., Senturk E., Engin G. O., Keskinler B.
DESALINATION, vol.255, pp.52-60, 2010 (SCI-Expanded)
- LXIV. **Treatment efficiency and VFA composition of a thermophilic anaerobic contact reactor treating food industry wastewater**
Senturk E., Ince M., Engin G. O.
JOURNAL OF HAZARDOUS MATERIALS, vol.176, pp.843-848, 2010 (SCI-Expanded)
- LXV. **CLIMATE-INDUCED CHANGES ON THE HYDROLOGY OF MEDITERRANEAN BASINS - A RESEARCH CONCEPT TO REDUCE UNCERTAINTY AND QUANTIFY RISK**
Ludwig R., Soddu A., Duttman R., Baghdadi N., Benabdallah S., Deidda R., Marrocu M., Strunz G., Wendland F., Engin G., et al.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.19, pp.2379-2384, 2010 (SCI-Expanded)
- LXVI. **Evaluation of a fast wastewater odour characterisation procedure using a chemical sensor array**
Ozturk Z. Z., Tasaltin C., Engin G. O., Gurek A. G., Atilla D., Ahsen V., Ince M.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.151, pp.369-375, 2009 (SCI-Expanded)
- LXVII. **Modeling leaching behavior of solidified wastes using back-propagation neural networks**
Bayar S., Demir I., Engin G. O.
ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY, vol.72, no.3, pp.843-850, 2009 (SCI-Expanded)
- LXVIII. **Nanoplankton population dynamics and dissolved oxygen change across the bay of Izmir by neural networks**
Sunlu F. S., Demir I., Engin G. O., Buyukisik B., SUNLU U., Koray T., Kukrer S.
JOURNAL OF ENVIRONMENTAL MONITORING, vol.11, no.6, pp.1165-1168, 2009 (SCI-Expanded)
- LXIX. **Respirometric kinetic parameter calculations of a batch jet loop bioreactor treating leachate and oxygen uptake rate estimation by DTM**
Ince M., Yildiz F., Engin G. O., ENGİN Ş. N., Keskinler B.
JOURNAL OF HAZARDOUS MATERIALS, vol.153, no.3, pp.991-998, 2008 (SCI-Expanded)
- LXX. **Autotrophic removal of sulphide from industrial wastewaters using oxygen and nitrate as electron acceptors**
Yavuz B., Turker M., Engin G. O.
ENVIRONMENTAL ENGINEERING SCIENCE, vol.24, pp.457-470, 2007 (SCI-Expanded)
- LXXI. **Cost analysis of alternative methods for wastewater handling in small communities**
Engin G., DEMIR I.
JOURNAL OF ENVIRONMENTAL MANAGEMENT, vol.79, no.4, pp.357-363, 2006 (SCI-Expanded)

- LXXII. **Determination of the relationship between sewage odour and BOD by neural networks**
Onkal-Engin G., Demir I., Engin S.
ENVIRONMENTAL MODELLING & SOFTWARE, vol.20, pp.843-850, 2005 (SCI-Expanded)
- LXXIII. **Assessment of urban air quality in Istanbul using fuzzy synthetic evaluation**
Onkal-Engin G., Demir I., Hiz H.
ATMOSPHERIC ENVIRONMENT, vol.38, no.23, pp.3809-3815, 2004 (SCI-Expanded)
- LXXIV. **Simulation of the errors in equilibrium correlations using the Langmuir and BET isotherms**
ENGİN G., Wibulswas R.
SEPARATION SCIENCE AND TECHNOLOGY, vol.35, pp.367-377, 2000 (SCI-Expanded)
- LXXV. **Humic acid uptake from aqueous media using hydrotalcites and modified montmorillonite**
Onkal-Engin G., WIBULSWAS R., WHITE D.
ENVIRONMENTAL TECHNOLOGY, vol.21, no.2, pp.167-175, 2000 (SCI-Expanded)
- LXXVI. **Characterisation of wastewater using an electronic nose**
Stuetz R., Fenner R., Engin G.
WATER RESEARCH, vol.33, no.2, pp.442-452, 1999 (SCI-Expanded)
- LXXVII. **Assessment of odours from sewage treatment works by an electronic nose, H₂S analysis and olfactometry**
Stuetz R., Fenner R., Engin G.
WATER RESEARCH, vol.33, no.2, pp.453-461, 1999 (SCI-Expanded)
- LXXVIII. **Sewage odour measurements using a sensory panel and an electronic NOSE**
Stuetz R., Engin G., Fenner R.
WATER SCIENCE AND TECHNOLOGY, vol.38, no.3, pp.331-335, 1998 (SCI-Expanded)

Articles Published in Other Journals

- I. **Treatment of textile wastewater in combined granular activated carbonmembrane bioreactor (GAC-MBR)**
Tecirli E. S., Akgün K., ÇAĞLAK A., SARI ERKAN H., Onkal Engin G.
Sigma Journal of Engineering and Natural Sciences, vol.42, no.5, pp.1490-1499, 2024 (ESCI)
- II. **Application of an airlift internal circulation membrane bioreactor for the treatment of textile wastewater**
ÇAĞLAK A., BAKARAKI TURAN N., SARI ERKAN H., ENGİN G.
Environmental Research & Technology, vol.5, pp.24-32, 2022 (Scopus)
- III. **Introduction: An overview of the book content**
Turan N. B., ENGİN G., BİLGİLİ M. S.
Comprehensive Analytical Chemistry, vol.99, 2022 (Scopus)
- IV. **Climate change impact assessment under data scarcity by hydrological and hydrodynamic modeling in Izmit Bay/Turkey**
ENGİN G., Adiller A., Klug P., Celen M., Herrmann F., Bach H., Wendland F.
Environmental Research and Technology, vol.4, no.1, pp.1-17, 2021 (Scopus)
- V. **An investigation on the application of CaII-FeII-FeIII magnetic hydrotalcite-like-compounds for the removal of impurities in aqueous systems**
Engin G., Sarı Erkan H., White D.
Environmental Research and Technology, vol.3, no.1, pp.20-27, 2020 (Peer-Reviewed Journal)
- VI. **Calcium removal from calcium rich paper mill wastewater by microbial CaCO₃ precipitation**
SARI ERKAN H., ENGİN G.
Balıkesir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.21, pp.352-363, 2019 (Peer-Reviewed Journal)
- VII. **Shale Gas Extraction and Treatment of Shale Gas Wastewater**
ERKAN H., TURAN N. B., ENGİN G.
ACADEMIC PLATFORM-JOURNAL OF ENGINEERING AND SCIENCE, vol.7, no.1, pp.106-114, 2019 (Peer-Reviewed)

Journal)

- VIII. **Kaya Gazı Ekstraksiyonu ve Kaya Gazı Üretiminden Kaynaklanan Atıksuların Arıtımı**
SARI ERKAN H., BAKARAKI TURAN N., ENGİN G.
Akademik Platform Mühendislik ve Fen Bilimleri Dergisi, vol.7, pp.1-9, 2019 (Peer-Reviewed Journal)
- IX. **Hazardous Wastes and Waste Generation Factors Originating from Battery and Accumulator Manufacturing Sector in Turkey**
Bayar S., Bektaş N., Öncel M. S., Engin G., Çalışkan Y., Çelebi E. E.
The Open Waste Management Journal, vol.11, pp.12-18, 2018 (Peer-Reviewed Journal)
- X. **Plastik Ürün Üretiminde Tehlikeli Atıkların Azaltılması için Mevcut En İyi Teknikler**
Öncel M. S., Bektaş N., Bayar S., Çalışkan Y., Engin G.
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.17, pp.974-979, 2017 (Peer-Reviewed Journal)
- XI. **Bulanık mantık sentetik değerlendirme metodları ile hava kalitesi sınıf analizi**
ENGİN G., Demir I.
Çevre Bilimi ve Teknolojisi, vol.2, pp.3-12, 2004 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **On the Way to Circular Economy: Türkiye's Waste Management and Zero Waste Project**
Bilgili M. S., Akkaya E., Engin G., Demir A.
in: Circular Economy Adoption Catalysing Decarbonisation Through Policy Instruments, Sadhan Kumar Ghosh, Sannidhya Kumar Ghosh, Editor, Springer Nature, Singapore, pp.161-196, 2023
- II. **Microplastics Removal Performance Through Advanced Treatment Technologies: A Mini Review**
SARI ERKAN H., ENGİN G.
in: Wastewater Management and Technologies, Eyüp Debik Müfit Bahadır Andreas Haarstrick, Editor, SpringerLink, pp.239-247, 2023
- III. **Environmental Nanotechnology: Implications and Applications**
BAKARAKI N., ENGİN G., BİLGİLİ M. S.
Elsevier, 2022
- IV. **Fouling control in MBR in a sustainable perspective**
SARI ERKAN H., BAKARAKI TURAN N., ENGİN G.
in: Current Developments in Biotechnology and Bioengineering Advanced Membrane Separation Processes for Sustainable Water and Wastewater Management - Case Studies and Sustainability Analysis, Giorgio Mannina, Ashok Pandey, Christian Larroche, How Yong Ng, Huu Hao Ngo, Editor, Elsevier, pp.21-57, 2020
- V. **Membrane Bioreactors for Wastewater Treatment**
SARI ERKAN H., Bakaraki Turan N., ENGİN G.
in: COMPREHENSIVE ANALYTICAL CHEMISTRY Fundamentals of Quorum Sensing, Analytical Methods and Applications in Membrane Bioreactors, Dotse Selali Chormey, Sezgin Bakırdere, Nouha Bakaraki Turan, Güleda Önkal Engin, Editor, Elsevier Science, Oxford/Amsterdam, Amsterdam, pp.151-200, 2018
- VI. **Membrane Bioreactors for Wastewater Treatment**
SARI ERKAN H., Nouha B. T., ENGİN G.
in: COMPREHENSIVE ANALYTICAL CHEMISTRY Fundamentals of Quorum Sensing, Analytical Methods and Applications in Membrane Bioreactors, Dotse Selali Chormey, Sezgin Bakırdere, Nouha Bakaraki Turan, Güleda Önkal Engin, Editor, Elsevier Science, Oxford/Amsterdam, pp.151-200, 2018
- VII. **Quorum Quenching**
BAKARAKI TURAN N., ENGİN G.
in: COMPREHENSIVE ANALYTICAL CHEMISTRY Fundamentals of Quorum Sensing, Analytical Methods and Applications in Membrane Bioreactors, Dotse Selali Chormey, Sezgin Bakırdere, Nouha Bakaraki Turan, Güleda Önkal Engin, Editor, Elsevier Science, Oxford/Amsterdam, pp.117-143, 2018
- VIII. **KATI ATIK YÖNETİMİ VE TEKNOLOJİLERİ**

ÖZKAYA B., AKKAYA E., DEMİR A., VARANK G., Akça L., yay s. e., akıncı g., yıldız ş., BÜYÜKKAMACI N., KOÇER N., et al. Nobel, 2017

IX. **Toplama**

KARADAĞ D., Demir A., Filibeli A., Çallı B., Özkaya B., Akkaya E., Varank G., Engin G.

in: Katı atık yönetimi ve teknolojileri, Demir A., Akça L, Editor, Nobel Yayın Dağıtım, İstanbul, pp.253-296, 2017

Refereed Congress / Symposium Publications in Proceedings

- I. **Development of a Switchable Solvent Based Liquid Phase Microextraction Method for the Simultaneous Determination of Selected Nervous System – Active Pharmaceutical Ingredients by Gas Chromatography Mass Spectrometry**
Dalgıç Bozyiğit G., Fırat Ayyıldız M., Chormey D. S., Engin G., Bakırdere S.
4th International Environmental Chemistry (EnviroChem) Congress, Antalya, Turkey, 30 October - 02 November 2022, pp.17
- II. **Microplastic Pollution in Wastewater Sea Discharge and Deep Sea Discharge Stations into the Marmara Sea and the Bosphorus**
KARAÇAM S., TAKATAŞ B., BAKARAKI TURAN N., SARI ERKAN H., ENGİN G.
The sixth edition of EurAsia Waste Management Symposium, İstanbul, Turkey, 24 October 2022
- III. **Microplastics Removal from Solid Waste Landfill Leachate by Electrocoagulation Process**
EMİK H. H., SARI ERKAN H., ENGİN G.
The sixth edition of EurAsia Waste Management Symposium, İstanbul, Turkey, 24 October 2022
- IV. **Sanayi Baskısı Altında Bulunan Akarsularda Hidromorfolojik Değişim Düzeylerinin Coğrafi Bilgi Bilimi ve Teknolojisi Kullanılarak Belirlenmesi: Çayırova-Saz Deresi örneği**
Gülgen F., Kılıç B., Çelen M., Oruç H. N., Vural S., Öncel M. S., Engin G., Karpuzcu M., Balık Şanlı F.
TMMOB 7. Coğrafi Bilgi Sistemleri Kongresi, Ankara, Turkey, 3 - 05 October 2022, pp.1-4
- V. **Determination of Primary Surface Water Pollution Indicators by Multivariate Statistical Techniques in an Industrialized Basin**
ORUÇ H. N., ÖNCEL M. S., ENGİN G., GÜLGEN F., KARPUZCU M., VURAL S., KILIÇ B., ÇELEN M.
7th International Conference on Geotechnical Research and Engineering (ICGRE'22), LÍZBON, Portugal, 10 - 12 April 2022, no.166, pp.1-12
- VI. **Microplastic abundance in the mouths of rivers and streams reaching the Marmara Sea and the Bosphorus**
SARI ERKAN H., ENGİN G.
International Forum on Food, Agriculture and Biological Sciences Spain 2021, Barselona, Spain, 13 October 2021
- VII. **Performance Comparison of Conventional Membrane Bioreactor and Moving Bed Membrane Bioreactor for the Treatment of Synthetic Textile Wastewater**
SOYSALOĞLU A., TAKATAŞ B., SARI ERKAN H., ÇAĞLAK A., ENGİN G.
5th EurAsia Waste Management Symposium (EWMS) 2020, 26 - 28 October 2020
- VIII. **Simultaneous Determination of Dioxacarb, Trifluralin, Tefluthrin And Flumetralin in Tap Water and Wastewater Samples by Gas Chromatography Mass Spectrometry after Vortex Assisted Switchable Solvent Based Liquid Phase Microextraction**
Dalgıç Bozyiğit G., Fırat Ayyıldız M., Chormey D. S., Engin G., Bakırdere S.
2nd International Congress on Analytical and Bioanalytical Chemistry (2nd ICABC 2020), Antalya, Turkey, 11 - 14 March 2020, pp.103
- IX. **4 TERT OKTİLFENOL VE Dİ-N OKTİL FTALATIN MEMBRAN BİYOREAKTÖRDE GİDERİMİNİN İNCELENMESİ**
Engin G., Tikenceli B.
2. Çevre Mühendisliği Kaynak Geri Kazanımı Uluslararası Kongresi, İstanbul, Turkey, 12 - 13 December 2019, pp.544
- X. **TEKSTİL ENDÜSTRİSİ KAYNAKLI ATIK MASURALARIN GERİ DÖNÜŞÜM İLE DÖNGÜSEL EKONOMİYE**

KAZANDIRILMASI

Engin G., Saraç G.

II. Ulusal Mühendislikte Bilimsel ve Mesleki Çalışmalar Kongresi, Ankara, Turkey, 7 - 10 November 2019, pp.31-38

- XI. **Enhancing the accuracy and precision in quantifying the pesticides present in complex environmental and food samples by GC-MS using matrix matching calibration and isotopically labeled internal standard**
Dalgıç Bozyiğit G., Fırat Ayyıldız M., Chormey D. S., Engin G., Bakırdere S.
11th Eastern European Young Water Professionals Conference, Praha, Czech Republic, 1 - 05 October 2019, pp.294-301
- XII. **Enhancing the accuracy and precision in quantifying the pesticides present in complex environmental and food samples by GC-MS using matrix matching calibration and isotopically labeled internal standard**
Dalgıç Bozyiğit G., Fırat Ayyıldız M., Chormey D. S., Engin G., Bakırdere S.
11th Eastern European Young Water Professionals Conference, Praha, Czech Republic, 1 - 05 October 2019, pp.294-301
- XIII. **Micropollutants Removal in Submerged Membrane Bioreactors at Different SRT Values and Variations of Extracellular Polymeric Substances**
ÇAĞLAK A., SARI ERKAN H., ENGİN G.
11th Eastern European Young Water Professionals Conference, Prag, Czech Republic, 1 - 05 October 2019, pp.288-294
- XIV. **MICROPOLLUTANTS IN THE AQUATIC ENVIRONMENT AND THEIR REMOVAL IN MEMBRANE BIOREACTORS**
ENGİN G., ÇAĞLAK A., SARI ERKAN H., ADİLLER A.
Linking Water Security to Sustainable Development Goals, 29 August - 01 September 2018, pp.115-121
- XV. **SHALE GAS WASTEWATER TREATMENT BY CHEMICAL AND ELECTRO-CHEMICAL PROCESSES**
BAKARAKI TURAN N., SARI ERKAN H., ENGİN G.
5. Ulusal Su Kongresi, Afyon, Turkey, 29 October - 01 November 2018
- XVI. **Shale gas extraction by hydraulic fracturing and flowback water treatment technologies: A review**
SARI ERKAN H., ENGİN G., BAKARAKI TURAN N.
4th International Conference on Recycling and Reuse, 24 - 26 October 2018
- XVII. **Development of simultaneous determination method for selected pharmaceuticals and pesticides in wastewater by GC-MS to build up the treatment strategies**
Dalgıç Bozyiğit G., Fırat Ayyıldız M., Chormey D. S., Engin G., Bakırdere S.
11th Aegean Analytical Chemistry Days (AACD2018), Hania, Greece, 25 - 29 September 2018, pp.98
- XVIII. **Investigation of the Effect of C/N Ratio and Sludge Age on the Microbial Community in MBR Systems**
SARI ERKAN H., Bakaraki N., ENGİN G.
EurAsia Waste Management Symposium, 2 - 04 May 2018
- XIX. **Activated Sludge Rheological Properties in the Treatment of Different Wastewaters in Submerged Membrane Bioreactor**
SARI ERKAN H., Bakaraki N., ENGİN G.
EurAsia Waste Management Symposium, 2 - 04 May 2018
- XX. **Recent Advances for Mitigation of Membrane Fouling in Membrane Bioreactors**
SARI ERKAN H., ENGİN G.
3. International Conference on Civil and Environmental Engineering, 24 - 27 April 2018
- XXI. **Turbidity removal of ceramic industry wastewater using chemical coagulation process**
SARI ERKAN H., ALICIOĞLU E., ENGİN G.
3. International Conference on Civil and Environmental Engineering, 24 - 27 April 2018
- XXII. **Using Wavelet Neural Networks for Daily River Discharge Prediction with Meteorological Data**
ENGİN Ş. N., GÜRSOY Ö., ADİLLER A., ENGİN G.
International Conference on Control Engineering Information Technology CEIT'xx2017, 17 - 19 December 2017
- XXIII. **Mevcut Evsel Atıksu Arıtma Tesislerinin Membran Biyoreaktör Teknolojisi Kullanılarak Yenilenmesi**

ve iyileştirilmesi

SARI ERKAN H., ENGİN G.

4th International Water Congress, 2 - 04 November 2017, pp.44

- XXIV. **Sinyal sönümlenme (Quorum quenching): MBR'lerde biyofilm oluşumunu azaltmak için yeni bir yöntem**
BAKARAKI TURAN N., SARI ERKAN H., ENGİN G.
MEMTEK 2017 5. ULUSAL MEMBRAN TEKNOLOJİLERİ VE UYGULAMALARI SEMPOZYUMU, İstanbul, Turkey, 21 - 23 September 2017, pp.49
- XXV. **The effect of SRT on biodegradation of municipal wastewater with low COD/TKN ratio in a submerged MBR**
ERKAN H., ENGİN G.
EUROMED 2017-Desalination for Clean Water and Energy: Cooperation around the World 9-12 May 2017, Tel Aviv, Israel, Tel-Aviv, Israel, 09 May 2017, pp.66-67
- XXVI. **The effect of SRT on biodegradation of municipal wastewater with low COD/TKN ratio in a submerged MBR**
SARI ERKAN H., ENGİN G.
EUROMED 2017-Desalination for Clean Water and Energy: Cooperation around the World, Tel-Aviv-Yafo, Israel, 9 - 12 May 2017
- XXVII. **Calcium Removal from Paper Mill Wastewater by Microbial Carbonate Precipitation: Pre-treatment for Submerged Membrane Bioreactor**
SARI ERKAN H., ENGİN G., ALPCAN R.
International Conference on Civil and Environmental Engineering-2017, NEVŞEHİR, Nevşehir, Turkey, 8 - 10 May 2017
- XXVIII. **Membrane Bioreactor (MBR) Technology for Wastewater Treatment: Approaches to Membrane Fouling Control**
HASNINE M. T., SARI ERKAN H., ENGİN G.
International Conference on Civil and Environmental Engineering-2017, NEVŞEHİR, Nevşehir, Turkey, 8 - 10 May 2017
- XXIX. **Membrane Bioreactor Technology for Industrial Wastewater Treatment**
SARI ERKAN H., ENGİN G., GÜNALP G.
International Workshop- MBR for the Next Generation 2016, İstanbul, Turkey, 10 May 2016
- XXX. **Activated Sludge Characteristics in a Lab scale Submerged Membrane Bioreactor at Different SRT Values**
SARI ERKAN H., GUNALP G., İNCE M., ENGİN G.
EURASIA 2016 Waste Management Symposium, 2 - 04 May 2016
- XXXI. **Quorum Quenching For Biofilm Formation Prevention**
NOUHA B., ENGİN G., SARI ERKAN H., DOTSE SELALÍ C., BAKIRDERE S.
EURASIA 2016 Waste Management Symposium, 2 - 04 May 2016
- XXXII. **Exploring the Challenge and Scope of Solid Waste Management A Comparative Analysis of Bangladesh and Turkey**
TANVIR H., BİLGİLİ M. S., BAHAUDDIN M., ENGİN G., ALAM M., AFRIN T.
EurAsia Waste Management Symposium, 2 - 04 May 2016
- XXXIII. **WEB BASED WATERSHED INFORMATION SYSTEMS ADVANTAGES FOR DECISION SUPPORT SYSTEMS**
ENGİN G., Demir I., ADİLLER A., ÇELEN M., DOĞAN A., VARANK G., ENGİN Ş. N.
Water Conference in Arid Areas: The Way Forward, Muscat, UMMAN, 13 - 16 March 2016
- XXXIV. **Activated sludge rheology in a laboratory scale submerged membrane bioreactor Effect of sludge retention time**
SARI ERKAN H., GÖRKEM G., ENGİN G., İNCE M.
The International Conference On Science, Ecology And Technology I, 25 - 28 August 2015
- XXXV. **Membrane Fouling In Submerged Membrane Bioreactors Effect of Activated Sludge Rheology**
ENGİN G., İNCE M., SARI ERKAN H., BİLGİLİ M. S., İNCE E., KULİL B., ÇAĞLAK A.

EURASIA 2014 Waste Management Symposium, 28 - 30 April 2014

XXXVI. **Membrane Fouling in Submerged Membrane Bioreactors Effect of Activated Sludge Rheology**
ERKAN H., ENGİN G., İNCE M., BİLGİLİ M. S., KULİL B.

EurAsia Waste Management Symposium, 20 - 22 April 2014

XXXVII. **Mühimmat Endüstrisi Atıksularının Anaerobik Arıtımı**

Şentürk E., İnce M., ENGİN G.

01 November 2012

XXXVIII. **Porsuk Baraj Gölü Havzasında Üst Toprak Toplam-P İçeriğinin Arazi Kullanımı İle Değişiminin Araştırılması**

ENGİN G., Öncel M. S., Karpuzcu M.

01 November 2012

XXXIX. **Yüksek Sıcaklıkta Püskürtme Çevrimli Reaktörün Kütle Transfer Özellikleri**

İnce M., ENGİN G., Şentürk E.

01 November 2012

XL. **Nitro-aromatik ve Nitro-heterosiklik Bileşiklerin Anaerobik Arıtımında Ultrasesin Uygulanabilirliğinde Ön Değerlendirme**

Şentürk E., İnce M., ENGİN G., Bayramoğlu M.

01 November 2012

XLI. **İklim Değişikliğinin Akdeniz Su Havzası Üzerine Etkisi ve CLIMB Projesi**

ENGİN G., Öncel M. S., Çelen M., Gürbulak E., Ulu F., Bayar S., Şentürk E.

01 November 2012

XLII. **Termofilik Püskürtme Çevrimli Reaktörde Patates İşleme Endüstrisi Atıksuyu Arıtımı**

İnce M., ENGİN G., Şentürk E.

01 November 2012

XLIII. **Water Resources Management Strategy Establishment For The Semi and Arid Regions**

ENGİN G., Çelen M., Öncel M. S.

BALWOIS, 01 June 2012

XLIV. **Climate Induced Changes on the Hydrology of Mediterranean Basins**

ENGİN G., Çelen M., Öncel M. S., Karpuzcu M., Ammerl T., Ludwig R.

The 2nd International Geography Symposium, 01 June 2010

XLV. **Antibiyotik İçerikli Atıksuların Ardışık Kesikli Reaktörlerde Biyolojik Yöntemlerle Arıtılabilirliği**

Şentürk E., İnce M., ENGİN G.

Uluslararası Çevre Sempozyumu, 01 May 2009

XLVI. **The governance of water resources affected by climate change: A Mediterranean perspective**

ENGİN G., Mysiak J.

5th World Water Forum, 01 March 2009

XLVII. **Regional modelling of nitrate flux into groundwater, in Porsuk Basin, Turkey**

Tetzlaff B., Karpuzcu M., ENGİN G., Öncel S., Çelen M.

Seminar on Groundwater Modelling, 01 June 2008

XLVIII. **Modeling and Parameter Identification of a Jet loop Bioreactor**

ENGİN Ş. N., YILDIZ TAŞCIKARAOĞLU F., İNCE M., ENGİN G., KESKİNLER B.

American Control Conference, 11 - 13 July 2007

XLIX. **Prediction of nanoplankton change in Izmir Bay (Aegean Sea-Turkey) with time by neural networks**

ENGİN G., Sunlu F. S., Büyüksık B., Sunlu U., Koray T., Sever T., Kükrer S., Aydın A., Orçun E.

38th CIESM Congress, 01 April 2007

L. **Removal of azo dyes using sepiolit**

Bektas N., ENGİN G., Tekbas M.

International Conference on Environment: Survival and Sustainability, 01 February 2007

LI. **Evaluation Of Kinetic Parameters Of Biochemical Reaction In A Jet-Loop Membrane Bioreactor For Leachate Degradation**

ENGİN G., Keskinler B.

International Conference on Environment: Survival and Sustainability, 01 February 2007

- LII. **Pilot Ölçekli Bir Havasız Atıksu Arıtma Sürecinin İzlenmesi, Modellenmesi, Kontrolü ve Otomasyonu Üzerine**
ENGİN Ş. N., YILDIZ TAŞCIKARAOĞLU F., ÜLKÜ B., ENGİN G.
TOK'06 Otomatik Kontrol Türk Milli Komitesi Otomatik Kontrol Ulusal Toplantısı, Turkey, 6 - 08 November 2006
- LIII. **Preliminary investigation on integrated modelling of nutrient loads in catchment areas. A case study: The Porsuk Reservoir Catchment**
Wendland F., Kocal M., Tetzlaff B., Pekdeger A., Oncel S., Voigt H., ENGİN G.
10th International Specialized Conference on Diffuse Pollution and Sustainable Basin Management, 01 September 2006
- LIV. **Wastewater Odour Characterisation Using A Chemical Sensor Array**
Tasaltin C., ENGİN G., Gurek A. G., Atilla D., Ahsen V., Ince M.
11th International Meeting on Chemical Sensors, 01 July 2006
- LV. **Cyanide as a Micropollutant: Ecological Effects, Removal Technologies and A Case Study**
ENGİN G., Cerrahoğlu S., Yatmaz A. P., Samuk B.
X. European Ecological Congress, 01 November 2005
- LVI. **e-NOSE Response Classification of Sewage Odors by Neural Networks and Fuzzy Clustering**
ENGİN Ş. N.
International Conference on, Changsha, China, 09 July 2005, pp.648-651
- LVII. **Sorry, It Is Limited!**
ENGİN G., Yatmaz A. P., Bayar S., Sadıklar Kırca B., Samuk B.
1st Zero-M Conference on Sustainable Water Management, 01 March 2005
- LVIII. **Yapay Sinir Ağları ve Bulanık Öbeleme Kullanarak E-Burun İle Elde Edilmiş Atıksu Kokularının Sınıflandırılması**
ENGİN Ş. N., ENGİN G., Demir İ.
ASYU-INISTA 2004 Akıllı Sistemlerde Yenilikler ve Uygulamaları Sempozyumu, Turkey, 23 - 25 June 2004
- LIX. **Alternative approaches for wastewater treatment and disposal in developing countries**
ENGİN G., Demir I.
5th Specialized Conference on Small Water and Wastewater Treatment Systems, 01 March 2002
- LX. **Removal of chromate and sulphate from wastewaters using hydrotalcites**
ENGİN G., White D. A.
IWA Young Researchers Conference, 01 April 2000
- LXI. **Climate Induced Changes On Water Resources**
ENGİN G., Çelen M., Adiller A.
- LXII. **Su Bütçesi Modellemesinde Coğrafi Bilgi Sisteminin Kullanılması-Porsuk Nehri Örneği**
Wendland F., ENGİN G., Öncel S., Yüksel E., Tetzlaff B., Çelen M.
- LXIII. **Treatment of nitro-aromatic and nitro-heterocyclic organic pollutants in an ultrasound aided anaerobic membrane bioreactor**
İnce M., ENGİN G., Topaloğlu A.
- LXIV. **Application of Mathematical Models in Water Pollution Control**
Koçal Çelen M., ENGİN G.
- LXV. **Türkiye'de İklim Değişikliğinin Etkilediği Su Kaynakları Nasıl Yönetilmeli**
ENGİN G., Bayar S.
- LXVI. **Su Kaynaklarında İklimle Bağlı Değişiklikler: Riskler Ve Belirsizlikler**
ENGİN G., Çelen M.

Other Publications

I. **Integrated Modelling of Nutrients in Selected River Basins of Turkey**

Agiralioglu N., Alpaslan N., ENGİN G., Gömann H., Gunduz O., Kocal M., Oncel S., Pekdeger A., Voigt H., Kuhr P., et al.

Other, 1

II. In and Around Turkey, Regional Document

ENGİN G., Özgüler H., Özlü H., Şentürk K., Alpaslan N., Bayar S., Devlet Y.

Other, 1

Supported Projects

ENGİN G., DALGIÇ BOZYİĞİT G., BİLGİLİ M. S., SARI ERKAN H., İLHAN F., MANAV DEMİR N., Project Supported by Higher Education Institutions, Mikrokirletici Gideriminde Yeşil Teknolojilerin Uygulanması, 2024 - Continues

ENGİN G., SARI ERKAN H., ÇAĞLAK A., Kaska D., Project Supported by Higher Education Institutions, Yaygın kullanılan endokrin bozucu mikrokirleticilerin anodik oksidasyon prosesiyle sudan gideriminin araştırılması: Estron ve fluoksetin örneği, 2023 - Continues

Engin G., Ayol A., Horizon Europe Project, Circular Economy for the Sustainable Earth Spheres-Geosphere, Biosphere, Hydrosphere & Atmosphere ECO-SPHERE, 2024 - 2028

ÇAĞLAK A., TEKYILDIZ Y., ENGİN G., SARI ERKAN H., Project Supported by Higher Education Institutions, Tekstil Atıksuyunun Hibrit Kimyasal ve Elektrokimyasal Proseslerle Arıtımında Farklı Proses Alternatiflerinin Değerlendirilmesi, 2023 - 2024

Engin G., Sarı Erkan H., Ayat Aydoğın B., Aydoğın B., Ayral Çınar D., Çelen M., Öncel M. S., Tutak B., TUBITAK Project, Numerical and Spatial Investigations of Microplastic Pollution in Antarctic Marine Ecosystem: Horseshoe Island Case Study , 2022 - 2024

SARI ERKAN H., ENGİN G., KARA N., Project Supported by Higher Education Institutions, İstanbuldaki Sızıntı Suyu Arıtma Tesislerinde Mikroplastiklerin Varlığının ve Giderilebilirliğinin Araştırılması, 2022 - 2024

UCUN L., YAŞAR C. F., ENGİN G., TACAL B., ETEMADİ A., AYAT AYDOĞAN B., ENGİN Ş. N., Project Supported by Higher Education Institutions, Frekans Tabanlı Sistem Tanıma Yaklaşımı ile Açık Su Kanal Sistemlerinde Verimliliği Arttırmaya Yönelik Su Seviyesi Kontrolü, 2022 - 2024

SARI ERKAN H., ENGİN G., BAKARAKI N., Project Supported by Higher Education Institutions, Atıksu arıtma tesislerindeki konvansiyonel proseslerde mikroplastik dağılımının belirlenmesi, 2020 - 2023

ENGİN G., DALGIÇ BOZYİĞİT G., Project Supported by Higher Education Institutions, Simultaneous Determination of Nervous System Drugs and Their Removal from Wastewater by Novel Adsorption Techniques, 2020 - 2023

Sarı Erkan H., Engin G., Albay M., Ayat Aydoğın B., Aydoğın B., Köker Demo L., Kahraman C., Sunlu U., Gündoğdu S., TUBITAK Project, Detection and Characterization of Microplastic Pollution Caused by Industrial and Social Activities in the Bosphorus, 2020 - 2022

Gülgen F., Çelen M., Öncel M. S., Balık Şanlı F., Karpuzcu M., Engin G., TUBITAK Project, Investigation of Hydromorphological Modification Levels in Water Resources by Using Geographical Information Science and Technology and Development of a Decision Support Tool: Çayırova-Saz Stream, 2019 - 2022

ENGİN G., ÇAĞLAK A., Project Supported by Higher Education Institutions, Endokrin Bozucu Bileşiklerin Evsel Atıksulardan Membran Biyoreaktör İle Giderimine İşletme Şartlarının Etkisinin Araştırılması, 2017 - 2022

ENGİN G., ÇAĞLAK A., Project Supported by Higher Education Institutions, İz Organik Mikrokirleticilerinin Membran Biyoreaktörde Arıtılabilirliğinin İncelenmesi, 2019 - 2021

ENGİN G., Saraç G., Project Supported by Higher Education Institutions, Tekstil Endüstrisi Kaynaklı Atık Masuraların Geri Dönüşüm İle Döngüsel Ekonomiye Kazandırılması, 2019 - 2020

SARI ERKAN H., ENGİN G., Project Supported by Higher Education Institutions, Atık aktif çamurun hidrojen peroksit ve kalsiyum hipoklorit kullanılarak elektrokimyasal yöntemlerle susuzlaştırılabilirliği ve dezentegrasyonu, 2019 - 2020

Engin Ş. N., Uçun L., Engin G., VARANK G., TUBITAK Project, Havza Bilgi Sistemi Geliştirilmesi, 2016 - 2019

DOĞAN A., Adiller A., Vonalya M. M., ENGİN G., Project Supported by Higher Education Institutions, ERGENE HAVZASI SU BÜTÇESİNİN BELİRLENMESİ, 2015 - 2018

Engin G., Other International Funding Programs, International Virtual Topic-Network on Modelling and Management of Catchments In Mediterranean Basins, Cooperation Network Project, Juelich Research Center (FZJ) Agrosphere Institute, Araştırmacı, 2014- , 2014 - 2018

Mert T., Çelebi U. B., Alcı B., Bilgili L., Kuzu S. L., Engin G., Köroğlu E. O., Development Agency, İstanbul Yerel Yönetimler

Akademisi Projesi, 2017 - 2017

ENGİN G., Project Supported by Higher Education Institutions, Membran Biyoreaktörlerde Sinyal İletimi İnhibisyonunun Etkisi, 2015 - 2017

ENGİN G., Project Supported by Higher Education Institutions, Batk Membran Biyoreaktörde Farklı C/N Oranlarının Membran Kirlenmesine Etkisi, 2013 - 2016

Engin G., İnce M., İnce E., Bilgili M. S., Bayramoğlu M. R., TUBİTAK Project, Membran Biyoreaktörlerde EPS nin Membran Kirlenmesi Üzerine Etkisinin Reolojik Parametreler ile Belirlenmesi, 2013 - 2016

Engin G., Kazancı N., Project Supported by Higher Education Institutions, Beyşehir Gölünün Dip Çamurlarının İncelenmesi ve Jeolojik Evriminin Belirlenmesi, 2012 - 2014

Engin G., Ludwig R., EU Supported Other Project, Climate Induced Changes on the Hydrology of Mediterranean Basins: Reducing Uncertainty and Quantifying Risk through an Integrated Monitoring and Modeling System, 2010 - 2014

İnce M., Engin G., TUBİTAK Project, Nitro-aromatik ve nitro-heterosiklik organik kirleticilerin ultrases destekli anaerobik membran biyoreaktörde arıtımı, 2011 - 2013

Engin G., İnce E., TUBİTAK Project, Termofilik Püskürtme Çevrimli MBR'da Patates Atıksularının Arıtımı ve Membran Kirlenmesinin İncelenmesi, 2011 - 2013

İnce M., Engin G., Project Supported by Higher Education Institutions, Membran biyoreaktörlerde aktif çamurun reolojik özelliklerinin belirlenmesi, 2010 - 2012

Engin G., İnce M., Öncel M. S., TUBİTAK Project, Türkiye'de Avrupa Birliği Çevre Mevzuatına Uyumlu Tehlikeli Atık Yönetimi, 2009 - 2012

Engin G., İnce M., Project Supported by Higher Education Institutions, Cips Üretim Endüstrisi Atıksularının Termofilik Püskürtme Çevrimli Membran Biyoreaktörlerde Arıtımının İncelenmesi, 2009 - 2012

İnce M., Engin G., Project Supported by Higher Education Institutions, Patates İşleme Endüstrisi Atıksularının İki Kademeli Anaerobik Reaktörde Arıtım Performansının İncelenmesi ve Modellenmesi, 2008 - 2010

Engin G., Tzoneva R., Engin Ş. N., Other International Funding Programs, Coordinated and joint research activities in anaerobic wastewater treatment modelling and control, 2007 - 2010

Engin G., İnce M., Wendland F., TÜBİTAK International Bilateral Joint Cooperation Program Project, Integrated Modelling of Nutrient Loads and Eutrophication in the Catchment Area of The Izmit Bay, The Tahtalı and The Porsuk River Basins, 2005 - 2008

İnce M., Engin G., TUBİTAK Project, Kemerburgaz – Odayeri Düzenli Deponi Sahası Sızıntı Sularının Yüksek Performanslı Kompakt Membran Biyoreaktörlerle Arıtılabilirliğinin Araştırılması, 2005 - 2008

Engin G., Project Supported by Higher Education Institutions, Arıtma Çamurlarının Mikroalga Tekniği Kullanarak Pirolizi, 2005 - 2007

Engin G., Project Supported by Higher Education Institutions, Jet Loop Membran Bioreaktörlerde Yüksek KOİ Yüküne Sahip Atıksuların Arıtılması, 2004 - 2007

Engin Ş. N., Ömürlü V. E., Yıldız Taşcıkaraoğlu F., Engin G., TUBİTAK Project, Anaerobik Atıksu Arıtma Proses Sisteminin Modellenmesi ve Etkin Kontrol Algoritmalarının Geliştirilmesi, 2004 - 2007

ENGİN G., Düşük Maliyetli Doğal Kil ve Kil Mineralleri ile Pb, Cu ve Cd Giderimi, 2004 - 2006

İNCE M., ENGİN G., İzmit Körfezi Kirlilik Profiline Matematik Modellemesi, 2004 - 2006

ENGİN Ş. N., ENGİN G., TUBİTAK Project, Atıksu Koku Karakterizasyonu İçin Kimyasal Algılayıcılar Dizisi (Elektronik Burun) Geliştirilmesi, 2002 - 2004

ENGİN G., Manyetit ve Manyetit Benzeri Killerin Ağır Metal Gideriminde Kullanılabilirliği, 2001 - 2003

Activities in Scientific Journals

Environmental Research and Technology, Editor, 2018 - Continues

Tasks In Event Organizations

Engin G., Bilgili M. S., EurAsia 2020 Waste Management Symposium, Scientific Congress, İstanbul, Turkey, Ekim 2020

Engin G., Bilgili M. S., EurAsia 2018 Waste Management Symposium, Scientific Congress, İstanbul, Turkey, Mayıs 2018
Engin G., Bilgili M. S., EurAsia 2016 Waste Management Symposium, Scientific Congress, İstanbul, Turkey, Mayıs 2016
Engin G., Bilgili M. S., Eurasia 2014 Waste Management Symposium, Scientific Congress, İstanbul, Turkey, Nisan 2014
Engin G., Bektaş N., Keskinler B., Türkiye'de Çevre Kirlenmesi Öncelikleri Sempozyumu VII - Yan Etkinlik: İklim Değişikliğinin Su Kaynaklarına Etkisi, Scientific Congress, Turkey, Kasım 2012
Engin G., Bektaş N., Türkiye'de Çevre Kirlenmesi Öncelikleri Sempozyumu VI, Scientific Congress, Kocaeli, Turkey, Mayıs 2009
Engin G., Bektaş N., Türkiye'de Çevre Kirlenmesi Öncelikleri Sempozyumu V, Scientific Congress, Kocaeli, Turkey, Mayıs 2006
Engin G., Bektaş N., Karpuzcu M., Türkiye'de Çevre Kirlenmesi Öncelikleri Sempozyumu IV, Scientific Congress, Kocaeli, Turkey, Ekim 2003

Metrics

Publication: 167

Citation (WoS): 1184

Citation (Scopus): 1922

H-Index (WoS): 19

H-Index (Scopus): 25