

Asst. Prof. İBRAHİM UYANIK

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAL-7024-2021

ScopusID: 57190842832

Yoksis Researcher ID: 19925

Biography

İbrahim Uyanık is an Assistant Prof. Dr. at the department of Environmental Engineering, Erciyes University. He graduated from Marmara and Yıldız Technical university for his bachelor and master degree. He took his PhD degree from this university about the reuse of organized industrial zone wastewater with membrane technology.

Research interests of İbrahim is the membrane technology for the treatment and reuse of industrial wastewater. He is searching for microplastics of industrial wastewater. He is also a member of sustainability commission of Erciyes University, contributing campus waste management.

Education Information

Doctorate, Erciyes University, Mühendislik Fakültesi, Çevre Mühendisliği, Turkey 2013 - 2017

Postgraduate, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, Çevre Mühendisliği, Turkey 2009 - 2012

Undergraduate, Marmara University, Mühendislik Fakültesi, Çevre Mühendisliği, Turkey 2002 - 2007

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Education Management and Planning, Mühendislik Bilimlerinde Araştırma Projesi Hazırlama ve Yürütme Eğitimi, TÜBİTAK, 2014

Dissertations

Doctorate, ORGANİZE SANAYİ BÖLGESİ ATIKSULARININ MEMBRANLI ARITMA SİSTEMLERİYLE YENİDEN

KULLANILABİLİRLİĞİNİN ARAŞTIRILMASI, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Çevre Mühendisliği, 2017
Postgraduate, KATI ATIK DEPO SAHALARINDA METEOROLOJİK FAKTÖRLERİN DEPO GAZI OLUŞUMU ÜZERİNDEKİ
ETKİLERİNİN İNCELENMESİ, Yıldız Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Çevre Mühendisliği, 2012

Research Areas

Environmental Engineering, Environmental Sciences, Environmental Chemistry, Environmental Technology, Air Pollution and Control, Solid Waste Engineering and Management, Water Pollution and Control, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Erciyes University, Mühendislik Fakültesi, Çevre Mühendisliği, 2018 - Continues
Assistant Professor, Erciyes University, Mühendislik Fakültesi, Çevre Mühendisliği, 2018 - 2018
Research Assistant PhD, Erciyes University, Mühendislik Fakültesi, Çevre Mühendisliği, 2017 - 2018
Research Assistant, Erciyes University, Mühendislik Fakültesi, Çevre Mühendisliği, 2012 - 2017
Research Assistant, Harran University, Faculty Of Engineering, Çevre Mühendisliği, 2011 - 2012

Academic and Administrative Experience

Erciyes University, 2019 - Continues
Erciyes Üniversitesi, Çevre Sorunları Ve Temiz Üretim Araştırma Ve Uygulama Merkezi, 2018 - Continues
Erciyes University, 2018 - Continues

Courses

Mühendislik Ekonomisi, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019
Fiziksel Kimyasal Temel İşlemler Laboratuvarı, Undergraduate, 2017 - 2018

Advising Theses

Uyanık İ., Yağmur suyu toplama sistemi tasarımı ve yağmur suyunun kullanımı: Sektörel uygulama örneği, Postgraduate, M.Geben(Student), 2023
Uyanık İ., Kayseri ili hava kirliliği kaynaklarının incelenmesi ve değerlendirilmesi, Postgraduate, Z.İpek(Student), 2021
Uyanık İ., Kayseri ili organize sanayi bölgeleri atıksu arıtma tesisleri performans analizlerinin istatistiksel olarak incelenmesi, Postgraduate, A.Kemal(Student), 2020

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Pre-coating of stainless-steel mesh support material with wastewater treatment plant sludges in a dynamic membrane filtration process**
Elbir H., UYANIK İ., Çolakoglu E. B., Sahinkaya E., YURTSEVER A.
Journal of Water Process Engineering, vol.64, 2024 (SCI-Expanded)
- II. **Plastic waste management in recycling facilities: Intentionally generated MPs as an emerging contaminant**
Çolakoğlu E. B., Uyanık İ.
WASTE MANAGEMENT INDUSTRIAL - RADIOACTIVE - HAZARDOUS, vol.181, pp.79-88, 2024 (SCI-Expanded)

- III. **Evaluation of ciprofloxacin (CIP) and clarithromycin (CLA) adsorption with weathered PVC microplastics**
Osman D., UYANIK İ., MIHÇIÖKÜR H., ÖZKAN O.
Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, vol.58, no.5, pp.498-505, 2023 (SCI-Expanded)
- IV. **Simultaneous fluoride and nitrate removal from drinking water using mixotrophic denitrification processes in a fixed bed column reactor**
Demirel S., UYANIK İ.
DESALINATION AND WATER TREATMENT, vol.164, pp.56-61, 2019 (SCI-Expanded)
- V. **REMOVAL OF COD FROM MEDICAL WASTE STERILIZATION PLANT WASTEWATER BY ELECTROCOAGULATION**
ÖZKAN O., UYANIK İ.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.27, no.1, pp.204-209, 2018 (SCI-Expanded)
- VI. **REMOVAL OF METALS AND MICROPOLLUTANTS IN MBR AND CAS SYSTEMS IN AN INDUSTRIAL ZONE WASTEWATER**
ÖZKAN O., UYANIK İ.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.27, no.1, pp.357-367, 2018 (SCI-Expanded)
- VII. **Effect of membrane type for the treatment of organized industrial zone (OIZ) wastewater with a membrane bioreactor (MBR): Batch experiments**
ÖZKAN O., UYANIK İ.
Water (Switzerland), vol.9, no.8, pp.582, 2017 (SCI-Expanded)
- VIII. **NF-RO Membrane Performance for Treating the Effluent of an Organized Industrial Zone Wastewater Treatment Plant: Effect of Different UF Types**
UYANIK İ., ÖZKAN O., Koyuncu İ.
WATER, vol.9, no.7, 2017 (SCI-Expanded)
- IX. **FISH PROCESSING INDUSTRY WASTEWATER TREATMENT BY SEQUENCING BATCH REACTOR**
ÖZKAN O., OĞUZ M., UYANIK İ.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.25, no.7, pp.2687-2692, 2016 (SCI-Expanded)
- X. **Simultaneous Bromate and Nitrate Reduction in Water Using Sulfur-Utilizing Autotrophic and Mixotrophic Denitrification Processes in a Fixed Bed Column Reactor**
DEMİREL S., UYANIK İ., Yurtsever A., Celikten H., Ucar D.
CLEAN-SOIL AIR WATER, vol.42, no.9, pp.1185-1189, 2014 (SCI-Expanded)
- XI. **Meteorological parameters as an important factor on the energy recovery of landfill gas in landfills**
Uyanik İ., Ozkaya B., DEMİR S., ÇAKMAKCI M.
JOURNAL OF RENEWABLE AND SUSTAINABLE ENERGY, vol.4, no.6, 2012 (SCI-Expanded)

Articles Published in Other Journals

- I. **Contribution of residential heating to air pollution in an industrial city of Turkey**
İpek Z., Uyanik İ.
Niğde Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi, vol.12, no.4, pp.1, 2023 (Peer-Reviewed Journal)
- II. **The Contribution of Industrial Point Emissions on Air Pollution: A Case Study for Kayseri Province**
İPEK Z., UYANIK İ.
JOURNAL OF NATURAL HAZARDS AND ENVIRONMENT, vol.8, pp.341-350, 2022 (Peer-Reviewed Journal)
- III. **Waste management in a university campus**
UYANIK İ., ÖZKAN O., MIHÇIÖKÜR H.
Sustainable Engineering and Innovation, vol.3, no.1, pp.49-53, 2021 (Peer-Reviewed Journal)
- IV. **Treatment of organized industrial wastewater by MBR: First results for KOIZ**
ÖZKAN O., UYANIK İ., RENÇBER M., OĞUZ M., ŞAHİN U., KOYUNCU İ.
Pamukkale University Journal of Engineering Sciences, vol.23, no.9, pp.1059-1063, 2017 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Çevre Mühendisliği**
ÖZKAN O., UYANIK İ.
in: İş Sağlığı ve Güvenliği, Şakir Taşdemir, Mustafa Altın, Editor, Eğitim Yayınevi, Konya, pp.853-875, 2018
- II. **Çevre ve İş Sağlığı**
UYANIK I., ÖZKAN O.
in: İş Sağlığı ve Güvenliği, "Altın M.", "Taşdemir Ş.", Editor, Eğitim Yayınevi, Konya, pp.811-834, 2016
- III. **Çevre ve İş Sağlığı**
ÖZKAN O., UYANIK İ.
in: İŞ SAĞLIĞI ve GÜVENLİĞİ, Mustafa ALTIN - Şakir TAŞDEMİR, Editor, Eğitim Yayınevi, Konya, pp.811-834, 2016

Refereed Congress / Symposium Publications in Proceedings

- I. **Challenges of Characterization of Microplastics in Plastic Recycling Industry Wastewater**
ÇOLAKOĞLU E. B., UYANIK İ., MIHÇIOKUR H.
4. ISPEC INTERNATIONAL CONGRESS ON CONTEMPORARY SCIENTIFIC RESEARCH, Gence, Azerbaijan, 14 - 15 November 2023
- II. **Deposition of activated sludge on a steel mesh supported dynamic membrane filtration reactor**
UYANIK İ., ÇOLAKOĞLU E. B., YURTSEVER A., MIHÇIOKUR H., ŞAHİNKAYA E.
7th MEMTEK International Symposium on Membrane Technologies and Applications, İstanbul, Turkey, 17 - 19 October 2023
- III. **YER ÇEKİMİ ETKİSİ İLE ÇALIŞAN DİNAMİK MEMBRAN REAKTÖRDE ELEK BOYUTUNUN ÇIKIŞ SUYU KALİTESİNE ETKİSİ**
UYANIK İ., ELBİR H., YURTSEVER A., ŞAHİNKAYA E.
II. International Conference on Engineering Sciences, Gence, Azerbaijan, 21 - 22 September 2023
- IV. **Stainless steel mesh as an effective support material for dynamic membrane layer formation"**
ELBİR H., ÇOLAKOĞLU E. B., UYANIK İ.
10th International Conference on Materials Science and Nanotechnology for Next Generation, Kayseri, Turkey, 27 - 29 September 2023, pp.66
- V. **SWOT Analysis About Zero Waste Management System in Erciyes University, Turkey**
Aydın Ş., Özkan O., Uyanık İ., Akın B.
6 th EurAsia Waste Management Symposium, İstanbul, Turkey, 24 October 2022, pp.443-447
- VI. **Microplastic Discharge from a Plastic Recycling Industry in Turkey**
Çolakoğlu E. B., UYANIK İ.
Eurasia Waste Management Symposium, İstanbul, Turkey, 24 October 2022, pp.39-42
- VII. **Waste Management Practices in Sustainable Campuses: The Case Of Erciyes University**
Salgın B., Uyanık İ., Özkan O.
Eurasia Waste Managment Symposium, İstanbul, Turkey, 24 October 2022, pp.536-540
- VIII. **Effect of Covid-19 on Air Quality in Kayseri Province**
UYANIK İ., Ekim T.
3 rd International Environmental Chemistry (EnviroChem) Congress, Antalya, Turkey, 01 December 2021, pp.26
- IX. **Waste Management in a University Campus**
Uyanık İ., Özkan O., Mihçiokur H.
5. ULUSLARARASI ÇEVRE VE AHLAK SEMPOZYUMU, 24 - 25 September 2020, vol.3, no.1, pp.49-53
- X. **Comparison of Different Pore-Sized Membranes for the Treatment of Organized Industrial Zone Wastewater in a Laboratory Scale Membrane Bioreactor**
UYANIK İ., ÖZKAN O.
6th MEMTEK International Symposium on Membrane Technologies and Applications, 18 - 20 November 2019, pp.125-129

- XI. **Batch Experiment Design for a Membrane Bioreactor Treating Organized Industrial Zone Wastewater**
UYANIK İ., ÖZKAN O.
6th MEMTEK International Symposium on Membrane Technologies and Applications, İstanbul, Turkey, 18 - 20 November 2019, pp.453-454
- XII. **Türkiye'deki Organize Sanayi Bölgelerinin Su ve Atıksu Yönetiminin İncelenmesi**
UYANIK İ., ÖZKAN O., İPEK Z.
Uluslararası Kentsel Su ve Atıksu Yönetimi Sempozyumu, Denizli, Turkey, 25 - 27 October 2018
- XIII. **Laboratory Scale Applications of Membrane Treatment Systems for Organized Industrial Zones**
UYANIK İ., ÖZKAN O.
3rd International Symposium on Innovative Approaches in Scientific Studies, 30 November - 02 December 2018, pp.986-989
- XIV. **Erciyes Üniversitesi Atık Yönetiminde Sıfır Atık Yaklaşımı için Yol Haritası**
UYANIK İ., ÖZKAN O.
2nd International Symposium on Innovative Approaches in Scientific Studies, 30 November - 02 December 2018
- XV. **Kayseri Organize Sanayi Bölgesindeki Öncelikli Kirleticiler ve Membranlı Arıtma Sistemleriyle Giderimi**
UYANIK İ., ÖZKAN O., ŞAHİN U.
Uluslararası Kentsel Su ve Atıksu Yönetimi Sempozyumu, Denizli, Turkey, 24 - 27 October 2018
- XVI. **Laboratory Scale Evaluation of Organized Industrial Zone (OIZ) Wastewater Reuse by MBR-NF/RO: Kayseri OIZ**
UYANIK İ., ÖZKAN O., TÜRKEN T.
International Symposium on Innovative Approaches in Scientific Studies, Antalya, Turkey, 11 - 13 April 2018
- XVII. **Fouling Characteristics of Nanofiltration (NF) and Reverse Osmosis (RO) Membranes for Reuse of Organized Industrial Zone Wastewater**
UYANIK İ., Özcan Ö., ŞAHİN U., ÖZKAN O.
5TH INTERNATIONAL CONGRESS ON TECHNOLOGY - ENGINEERING SCIENCE, Kuala-Lumpur, Malaysia, 1 - 02 February 2018
- XVIII. **Selection of a Membrane Module Treating Organized Industrial Zone Wastewater with a Membrane Bioreactor (MBR)**
UYANIK İ., Rençber M. M., ÖZKAN O.
5TH INTERNATIONAL CONGRESS ON TECHNOLOGY - ENGINEERING SCIENCE, Kuala-Lumpur, Malaysia, 1 - 02 February 2018
- XIX. **Kayseri Organize Sanayi Bölgesi (KOSB) Atıksularının Pilot Ölçekte Arıtımının Değerlendirilmesi**
Özcan Ö., UYANIK İ., ÖZKAN O.
4. Uluslararası Su Kongresi - Akıllı Şehirlerde Su Yönetimi, İzmir, Turkey, 2 - 04 November 2017, pp.1-4
- XX. **Removal of color from an organized industrial zone wastewater: Comparison of pilot scale membrane systems and conventional wastewater treatment plant**
UYANIK İ., Özcan Ö., ÖZKAN O., ŞAHİN U.
III. International Conference on Environmental Science and Technology, Budapeşte, Hungary, 19 - 23 October 2017, pp.3
- XXI. **Sulfur-limestone autotrophic denitrification for treatment of nitrate and fluoride contaminated water**
DEMİREL S., UYANIK İ.
19th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region, Roma, Italy, 4 - 06 October 2017, pp.311
- XXII. **Kayseri Organize Sanayi Bölgesi Atıksularının Pilot Ölçekli Membranlı Atıksu Arıtma Sistemleriyle Arıtılmasında Karşılaşılan İşletme Problemleri**
Özcan Ö., UYANIK İ., ÖZKAN O., Türken T., Koyuncu İ.
5. Ulusal Membran Teknolojileri ve Uygulamaları Sempozyumu, İstanbul, Turkey, 21 - 23 September 2017, pp.55
- XXIII. **Organized Industrial zone wastewater treatment alternatives with membrane systems at laboratory**

scale

ÖZKAN O., UYANIK İ., TÜRKEN T., KOYUNCU İ.

8th International Water Association Membrane Technology Conference and Exhibition for Water and Wastewater Treatment and Resue, 5 - 09 September 2017

- XXIV. **Operational Problems at a Laboratory Scale Membrane Bioreactor for the Treatment of Organized Industrial Zone Wastewater**
ÖZKAN O., UYANIK İ., Özcan Ö., Rençber M. M., Usta E., Şimşek S. E., OĞUZ M., ŞAHİN U.
ECOLOGY 2017 INTERNATIONAL SYMPOSIUM, Kayseri, Turkey, 11 - 13 May 2017, pp.1-2
- XXV. **Reusing Approaches for an Organized Industrial Zone Wastewater by Membrane Processes**
ÖZKAN O., UYANIK İ., Rençber M. M., Özcan Ö., Ekrikaya H., Olgunharputlu M., ŞAHİN U., Koyuncu İ.
International Conference on Civil and Environmental Engineering, Nevşehir, Turkey, 8 - 10 May 2017, pp.1-2
- XXVI. **Organize Sanayi Bölgesi Atıksularının Membran Biyoreaktörlerle Arıtılması: İlk Sonuçlar**
ÖZKAN O., UYANIK İ., Rençber M. M., OĞUZ M., ŞAHİN U., Koyuncu İ.
ULUSLARARASI KENTSEL SU VE ATIK SU YÖNETİMİ SEMPOZYUMU, Malatya, Turkey, 26 - 28 October 2016, pp.1-7
- XXVII. **ORGANİZE SANAYİ BÖLGESİ ATIKSULARININ YENİDEN KULLANIM SEÇENEKLERİNİN DEĞERLENDİRİLMESİ**
ÖZKAN O., UYANIK İ., Rençber M. M.
3. Uluslararası Su Kongresi, İzmir, Turkey, 8 - 10 October 2015, pp.103
- XXVIII. **Kayseri Organize Sanayi Bölgesi Atıksularının Yeniden Kullanımı için Membranlı Sistemlerin Belirlenmesi**
UYANIK İ., ÖZKAN O., Rençber M. M., Sağiroğlu N.
4. Ulusal Membran Teknolojileri ve Uygulamaları Sempozyumu, Isparta, Turkey, 7 - 08 October 2015, pp.147-150
- XXIX. **Environmental Management and By-product Recovery in a Potato Processing Industry**
UYANIK İ., ÖZKAN O.
International Conference on Environmental Science and Technology, Saraybosna, Bosnia And Herzegovina, 9 - 13 September 2015, pp.1
- XXX. **Laboratory Scale Submerged Membrane Bioreactors (SMBR) for the Treatment of Rural Areas Wastewater**
ÖZKAN O., Oğuz M., Özdemir Ö., Solmaz A., UYANIK İ.
INTERNATIONAL CONFERENCE ON CIVIL AND ENVIRONMENTAL ENGINEERING, Nevşehir, Turkey, 20 - 23 May 2015, pp.226
- XXXI. **Wastewater Treatment Plant for Industrial Districts in Turkey**
ÖZKAN O., UYANIK İ., Gültekin Y., Solmaz A.
INTERNATIONAL CONFERENCE ON ENVIRONMENTAL SCIENCE AND TECHNOLOGY, Antalya, Turkey, 14 - 17 May 2014, pp.201-202
- XXXII. **Waste Management and Landfill Gas Production in Kayseri, Turkey**
ÖZKAN O., UYANIK İ., Okur S. A., Kök K., Genç T. A.
Eurasia Waste Management Symposium, İstanbul, Turkey, 28 - 30 April 2014, pp.1-2
- XXXIII. **Küçük Yerleşim Birimlerinde Mbr Uygulaması: Kayseri, Buğdaylı Örneği**
ÖZKAN O., UYANIK İ., ÖZDEMİR Ö., AYKAR E.
Membran Teknolojileri ve Uygulamaları Sempozyumu, Elazığ, Turkey, 1 - 04 September 2013
- XXXIV. **Complete removal of nitrate and nitrite by autotrophic denitrification in sulfurlimestone packed column reactor**
UYANIK İ., Demirel S., Çelikten H.
INTERNATIONAL CONFERENCE ON ENVIRONMENTAL SCIENCE AND TECHNOLOGY, Turkey, 1 - 04 June 2013, pp.222-223
- XXXV. **Bromate and nitrate reduction using denitrifying fixed-bed column reactor: biogenic sulfide detection**
Demirel S., UYANIK İ., Yurtsever A., Çelikten H., Uçar D.
CENVISU, Turkey, 1 - 04 April 2013, pp.9-10

Other Publications

- I. **Treatment and reuse of organized industrial zone wastewater by MBR**
UYANIK I., Türken T., Koyuncu İ., ÖZKAN O.
Presentation, pp.22-23, 2016
- II. **Irrigation-Induced Pollution in Groundwater in a Semi-arid Area, GAP Project, Turkey**
Yeşilnacar M. İ., Demir A., UYANIK İ., Tekiner S. İ., Rastgeldi B., Direk İ. H.
Presentation, pp.1-2, 2012

Supported Projects

UYANIK İ., YURTSEVER A., MIHÇIÖKÜR H., ŞAHİNKAYA E., TUBITAK Project, Investigation of the treatment performance of gravity-driven dynamic membrane reactor in real wastewater containing microplastics and microplastic characterization, 2022 - 2024

ÖZKAN O., UYANIK I., ŞAHİN U., UĞURLU Ö., Project Supported by Higher Education Institutions, Organize Sanayi Bölgesi Atıksularının Yeniden Kullanımı için Membranlı Arıtma Sistemlerinin Konvansiyonel Sistemlerle Karşılaştırılması, 2017 - 2018

ÖZKAN O., UYANIK I., Project Supported by Higher Education Institutions, Organize Sanayi Bölgesi Atıksularının Membranlı Arıtma Sistemleriyle Yeniden Kullanılabilirliğinin Araştırılması, 2017 - 2017

Metrics

Publication: 55

Citation (WoS): 26

Citation (Scopus): 31

H-Index (WoS): 3

H-Index (Scopus): 3

Congress and Symposium Activities

Katı Atık Yönetimi Eğitim Çalıştayı, Attendee, Şanlıurfa, Turkey, 2011

Awards

Kalaycı K., Özdamar B. N., Uyanık İ., ÇEVKO Vakfı Geleneksel Yeşil Nokta Ödülleri, Çevre Koruma Ve Ambalaj Atıklarını Değerlendirme Vakfı, December 2023

Non Academic Experience

Plazma Makina Tic. Ltd. Şti.