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International Researcher IDs
Publons / Web Of Science ResearcherID: M-7395-2014
ScopusID: 56421505900
Yoksis Researcher ID: 240468

Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Turkey 2010 - 2015
Undergraduate, Ege University, Faculty Of Science, Biyoloji Bölümü, Turkey 2003 - 2008

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Combined effects of antibiotics on the anaerobic microbial community structure, investigation of metabolites and antibiotic resistance genes, Istanbul Technical University, Fen Bilimleri Enstitüsü, Mühendislik Fakültesi, 2015

Research Areas

Biotechnology, Environmental Biology, Microbiology, Molecular Biology and Genetics

Academic Titles / Tasks

Professor, Istanbul University, Faculty Of Science, Depertment Of Biology, 2023 - Continues
Associate Professor, Nisantasi University, Faculty Of Engıneerıng-Archıtecture, Department Of Genetıcs And Bıoengıneerıng, 2018 - 2021
Assistant Professor, Nisantasi University, Faculty Of Engıneerıng-Archıtecture, Department Of Genetıcs And Bıoengıneerıng, 2017 - 2018

Academic and Administrative Experience

Vice Dean, Nisantasi University, Faculty Of Engıneerıng-Archıtecture, Department Of Genetıcs And Bıoengıneerıng, 2020 - 2021

Courses

Genetical Engineering Techniques , Postgraduate, 2024 - 2025, 2022 - 2023, 2021 - 2022
Bioremediation , Doctorate, 2022 - 2023, 2021 - 2022
Microbial Metagenomics, Postgraduate, 2022 - 2023
Biotechnology Research I, Undergraduate, 2023 - 2024, 2022 - 2023
Bitirme Tezi I, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021
Biotechnology Research II, Undergraduate, 2022 - 2023
Bioprocess Engineering, Undergraduate, 2022 - 2023
THE BIOLOGICAL FOUNDATIONS OF PSYCHOLOGY, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022
Metagenomics, Undergraduate, 2022 - 2023
Genetics , Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022
Bitirme Tezi II, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021
Environmental Biotechnology, Doctorate, 2023 - 2024, 2022 - 2023, 2021 - 2022
Sistematik ve Biyoçeşitlilik, Undergraduate, 2021 - 2022, 2020 - 2021
Beneficial Organisms, Undergraduate, 2021 - 2022, 2020 - 2021
Kişisel Proje II, Undergraduate, 2021 - 2022, 2020 - 2021
General Biology, Undergraduate, 2021 - 2022, 2020 - 2021
Genetik Mühendisliği, Undergraduate, 2021 - 2022, 2020 - 2021

Advising Theses

Aydın S., IOTECHNOLOGICAL APPLICATIONS OF BACTERIOPHAGES IN BIOLOGICAL WASTEWATER TREATMENT PROCESSES, Postgraduate, Ş.REİSOĞLU(Student), 2024
Aydın S., THE EFFECTS OF BLUEBERRY (VACCINIUM MYRTILLUS) EXTRACT USAGE ON MICROBIAL COMMUNITY IN VEGAN KEFIR PRODUCTION, Postgraduate, D.KÜRŞAD(Student), 2024
Aydın S., INVESTIGATION OF BIOFILM FORMATION ON MICROPLASTICS, Postgraduate, C.ÇATI(Student), 2024
Aydin S., The investigation of kefir fortified with astaxanthin in terms of microbial diversity, Postgraduate, S.YILDIZ(Student), 2022
Övez S., Aydın S., THE PREVENTION OF BIOFILM FORMATION AND PROHIBITING OF THE ANTIBIOTIC RESISTANCE DEVELOPMENT, Doctorate, H.Fakhri(Student), 2021
İnce O., Aydın S., Anaerobic biodegradation potential of petroleum derived wastes under nitrate and iron reducing conditions, Postgraduate, M.Seyis(Student), 2019
Gömeç Ç., Aydın S., Combined effect of water hyacinth and trichocladium canadense on biogas production during anaerobic treatment of wastewater with antibiotics mixture , Postgraduate, I.KHAIRUNNISA(Student), 2019
İnce B., Aydın S., Anaerobic biodegradation of petroleum based waste , Postgraduate, A.ÇALIŞIYOR(Student), 2018
İnce B., Aydın S., Effect of rumen fungi on potential of biogas production in anaerobic digesters fed with different lignocellulosic compounds , Postgraduate, E.Yıldırım(Student), 2016

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Evaluation of prokaryotic and eukaryotic microbial communities on microplastic-associated biofilms in marine and freshwater environments**
Reisoglu S., Cati C., Yurtsever M., Aydın S.
ENGINEERING IN LIFE SCIENCES, 2024 (SCI-Expanded)
II. **Evaluation of functional quality of water kefir with Haematococcus pluvialis biomass and colour pigment astaxanthin**
Yildiz S., Reisoglu S., AYDIN S.
INTERNATIONAL JOURNAL OF FOOD SCIENCE AND TECHNOLOGY, 2024 (SCI-Expanded)

III. **Bacteriophage and Their Potential Use in Bioaugmentation of Biological Wastewater Treatment Processes**
Reisoglu S., AYDIN S.
SUSTAINABILITY, vol.15, no.16, 2023 (SCI-Expanded)

IV. **Bacteriophages as a promising approach for the biocontrol of antibiotic resistant pathogens and the reconstruction of microbial interaction networks in wastewater treatment systems: A review.**
Reisoglu Ş., Aydin S.
The Science of the total environment, vol.890, pp.164291, 2023 (SCI-Expanded)

V. **Bioaugmentation of the green alga to enhance biogas production in an anaerobic hollow-fiber membrane bioreactor**
AYDIN S., Fakhri H., TAVŞANLI N.
BIOFOULING, vol.39, no.4, pp.349-358, 2023 (SCI-Expanded)

VI. **Anthocyanin Addition to Kefir: Metagenomic Analysis of Microbial Community Structure.**
Aydin S., Erözden A. A., Tavşanlı N., Müdüroğlu A., Çalışkan M., Kara İ.
Current microbiology, vol.79, no.11, pp.327, 2022 (SCI-Expanded)

VII. **Bacteriophage cocktail as a promising bio-enhancer for methanogenic activities in anaerobic membrane bioreactors**
Aydın S., Can K., Çalışkan M., Balcazar J. L.
SCIENCE OF THE TOTAL ENVIRONMENT, vol.832, 2022 (SCI-Expanded)

VIII. **Evaluating the effect of microalga Haematococcus pluvialis bioaugmentation on aerobic membrane bioreactor in terms of performance, membrane fouling and microbial community structure**
AYDIN S., Unlu I. D., Arabaci D. N., Duru O. A.
SCIENCE OF THE TOTAL ENVIRONMENT, vol.807, 2022 (SCI-Expanded)

IX. **Enhanced removal of antibiotics using Eichhornia crassipes root biomass in an aerobic hollow-fiber membrane bioreactor**
Aydin S., Arabaci D. N., Shahi A., Fakhri H., Övez S.
BIOFOULING, vol.38, no.3, pp.223-234, 2022 (SCI-Expanded)

X. **Eichhornia crassipes root biomass to reduce antibiotic resistance dissemination and enhance biogas production of anaerobic membrane bioreactor**
Fakhri H., Arabaci D. N., Övez S., AYDIN S.
ENVIRONMENTAL TECHNOLOGY, vol.43, no.26, pp.4168-4179, 2022 (SCI-Expanded)

XI. **Bioaugmentation with immobilized endophytic Penicillium restrictum to improve quorum quenching activity for biofouling control in an aerobic hollow-fiber membrane bioreactor treating antibiotic-containing wastewater**
Fakhri H., Shahi A., Övez S., Aydin S.
ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY, vol.210, 2021 (SCI-Expanded)

XII. **Addition of Trichocladium canadense to an anaerobic membrane bioreactor: evaluation of the microbial composition and reactor performance**
Fakhri H., Arabaci D. N., Unlu I. D., Yangin-Gomec C., Övez S., Aydin S.
BIOFOULING, vol.37, no.7, pp.711-723, 2021 (SCI-Expanded)

XIII. **Pyophage cocktail for the biocontrol of membrane fouling and its effect in aerobic microbial biofilm community during the treatment of antibiotics**
Aydin S., CAN K.
BIORESOURCE TECHNOLOGY, vol.318, 2020 (SCI-Expanded)

XIV. **Impact of inoculum acclimation on energy recovery and investigation of microbial community changes during anaerobic digestion of the chicken manure**
Gömeç Ç., Sapmaz T., Aydin S.
ENVIRONMENTAL TECHNOLOGY, vol.41, no.1, pp.49-58, 2020 (SCI-Expanded)

XV. **Sustainable bioremediation of antibacterials, metals and pathogenic DNA in water**
Islas-Espinoza M., Aydin S., de las Heras A., Ceron C. A., Martinez S. G., Carlos Vazquez-Chagoyan J.
JOURNAL OF CLEANER PRODUCTION, vol.183, pp.112-120, 2018 (SCI-Expanded)

XVI. **Bioaugmentation with Clostridium thermocellum to enhance the anaerobic biodegradation of lignocellulosic agricultural residues**
Oner B. E., Akyol C., Bozan M., İnce O., Aydin S., Ince B.
BIORESOURCE TECHNOLOGY, vol.249, pp.620-625, 2018 (SCI-Expanded)

XVII. **Operating conditions influence microbial community structures, elimination of the antibiotic resistance genes and metabolites during anaerobic digestion of cow manure in the presence of oxytetracycline**
Turker G., Akyol C., İnce O., Aydin S., Ince B.
ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY, vol.147, pp.349-356, 2018 (SCI-Expanded)

XVIII. **Microbial monitoring of ammonia removal in a UASB reactor treating pre-digested chicken manure with anaerobic granular inoculum**
Gömeç Ç., Pekyavas G., Sapmaz T., Aydin S., Ince B., Akyol C., İnce O.
BIORESOURCE TECHNOLOGY, vol.241, pp.332-339, 2017 (SCI-Expanded)

XIX. **Application of next-generation sequencing methods for microbial monitoring of anaerobic digestion of lignocellulosic biomass**
Bozan M., Akyol C., İnce O., Aydin S., Ince B.
APPLIED MICROBIOLOGY AND BIOTECHNOLOGY, vol.101, no.18, pp.6849-6864, 2017 (SCI-Expanded)

XX. **Improvement of biogas potential of anaerobic digesters using rumen fungi**
Yildirim E., İnce O., Aydin S., Ince B.
RENEWABLE ENERGY, vol.109, pp.346-353, 2017 (SCI-Expanded)

XXI. **Assessment of the horizontal transfer of functional genes as a suitable approach for evaluation of the bioremediation potential of petroleum-contaminated sites: a mini-review**
Shahi A., Ince B., Aydin S., İnce O.
APPLIED MICROBIOLOGY AND BIOTECHNOLOGY, vol.101, no.11, pp.4341-4348, 2017 (SCI-Expanded)

XXII. **Rumen anaerobic fungi create new opportunities for enhanced methane production from microalgae biomass**
Aydin S., Yildirim E., İnce O., Ince B.
ALGAL RESEARCH-BIOMASS BIOFUELS AND BIOPRODUCTS, vol.23, pp.150-160, 2017 (SCI-Expanded)

XXIII. **Aerobic and anaerobic fungal metabolism and Omics insights for increasing polycyclic aromatic hydrocarbons biodegradation**
Aydin S., Karacay H. A., Shahi A., Gokce S., Ince B., İnce O.
FUNGAL BIOLOGY REVIEWS, vol.31, no.2, pp.61-72, 2017 (SCI-Expanded)

XXIV. **Reconstruction of bacterial community structure and variation for enhanced petroleum hydrocarbons degradation through biostimulation of oil contaminated soil**
Shahi A., Aydin S., Ince B., İnce O.
CHEMICAL ENGINEERING JOURNAL, vol.306, pp.60-66, 2016 (SCI-Expanded)

XXV. **A comprehensive microbial insight into single-stage and two-stage anaerobic digestion of oxytetracycline-medicated cattle manure**
Akyol C., Aydin S., İnce O., Ince B.
CHEMICAL ENGINEERING JOURNAL, vol.303, pp.675-684, 2016 (SCI-Expanded)

XXVI. **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**
Shahi A., Aydin S., Ince B., İnce O.
INTERNATIONAL BIODETERIORATION & BIODEGRADATION, vol.114, pp.67-74, 2016 (SCI-Expanded)

XXVII. **Enhanced biodegradation of antibiotic combinations via the sequential treatment of the sludge resulting from pharmaceutical wastewater treatment using white-rot fungi Trametes versicolor and Bjerkandera adusta**
Aydin S.
APPLIED MICROBIOLOGY AND BIOTECHNOLOGY, vol.100, no.14, pp.6491-6499, 2016 (SCI-Expanded)

XXVIII. **Changes in microbial community structures due to varying operational conditions in the anaerobic**

digestion of oxytetracycline-medicated cow manure
Turker G., Aydin S., Akyol C., Yenigun O., İnce O., Ince B.
APPLIED MICROBIOLOGY AND BIOTECHNOLOGY, vol.100, no.14, pp.6469-6479, 2016 (SCI-Expanded)

XXIX. **Microbial sequencing methods for monitoring of anaerobic treatment of antibiotics to optimize performance and prevent system failure**
Aydin S.
APPLIED MICROBIOLOGY AND BIOTECHNOLOGY, vol.100, no.12, pp.5313-5321, 2016 (SCI-Expanded)

XXX. **Enhancement of microbial diversity and methane yield by bacterial bioaugmentation through the anaerobic digestion of Haematococcus pluvialis**
Aydin S.
APPLIED MICROBIOLOGY AND BIOTECHNOLOGY, vol.100, no.12, pp.5631-5637, 2016 (SCI-Expanded)

XXXI. **Assessment of anaerobic bacterial diversity and its effects on anaerobic system stability and the occurrence of antibiotic resistance genes**
Aydin S., Ince B., İnce O.
BIORESOURCE TECHNOLOGY, vol.207, pp.332-338, 2016 (SCI-Expanded)

XXXII. **Evaluation of microbial population and functional genes during the. bioremediation of petroleum-contaminated soil as an effective monitoring approach**
Shahi A., Aydin S., Ince B., İnce O.
ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY, vol.125, pp.153-160, 2016 (SCI-Expanded)

XXXIII. **Biomimetic Approaches for Membrane Technologies**
Sengur-Tasdemir R., Aydin S., Turken T., Genceli E. A., Koyuncu İ.
SEPARATION AND PURIFICATION REVIEWS, vol.45, no.2, pp.122-140, 2016 (SCI-Expanded)

XXXIV. **Development of antibiotic resistance genes in microbial communities during long-term operation of anaerobic reactors in the treatment of pharmaceutical wastewater**
Aydin S., Ince B., İnce O.
WATER RESEARCH, vol.83, pp.337-344, 2015 (SCI-Expanded)

XXXV. **Use of PCR-DGGE based molecular methods to assessment of microbial diversity during anaerobic treatment of antibiotic combinations**
Aydin S., Shahi A., Ozbayram E. G., Ince B., İnce O.
BIORESOURCE TECHNOLOGY, vol.192, pp.735-740, 2015 (SCI-Expanded)

XXXVI. **Application of real-time PCR to determination of combined effect of antibiotics on Bacteria, Methanogenic Archaea, Archaea in anaerobic sequencing batch reactors**
Aydin S., Ince B., İnce O.
WATER RESEARCH, vol.76, pp.88-98, 2015 (SCI-Expanded)

XXXVII. **Combined effect of erythromycin, tetracycline and sulfamethoxazole on performance of anaerobic sequencing batch reactors**
Aydin S., Ince B., Cetecioglu Z., Arikan O., Ozbayram E. G., Shahi A., İnce O.
BIORESOURCE TECHNOLOGY, vol.186, pp.207-214, 2015 (SCI-Expanded)

XXXVIII. **Acute effects of various antibiotic combinations on acetoclastic methanogenic activity**
Ozbayram E. G., Arikan O., Ince B., Cetecioglu Z., Aydin S., İnce O.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.22, no.8, pp.6230-6235, 2015 (SCI-Expanded)

XXXIX. **Inhibitory effects of antibiotic combinations on syntrophic bacteria, homoacetogens and methanogens**
Aydin S., Cetecioglu Z., Arikan O., Ince B., Ozbayram E. G., İnce O.
CHEMOSPHERE, vol.120, pp.515-520, 2015 (SCI-Expanded)

XL. **The joint acute effect of tetracycline, erythromycin and sulfamethoxazole on acetoclastic methanogens**
Aydin S., Ince B., İnce O.
WATER SCIENCE AND TECHNOLOGY, vol.71, no.8, pp.1128-1135, 2015 (SCI-Expanded)

XLI. **Inhibitory effect of erythromycin, tetracycline and sulfamethoxazole antibiotics on anaerobic treatment of a pharmaceutical wastewater**

Aydin S., Ince B., İnce O.
WATER SCIENCE AND TECHNOLOGY, vol.71, no.11, pp.1620-1628, 2015 (SCI-Expanded)

XLII. **Performance of anaerobic sequencing batch reactor in the treatment of pharmaceutical wastewater containing erythromycin and sulfamethoxazole mixture.**
Aydın Ş. B., Ince B., Cetecioglu Z., Ozbayram E. G., Shahi A., Okay O., Arıkan O. A., İnce O.
Water science and technology : a journal of the International Association on Water Pollution Research, vol.70, no.10, pp.1625-32, 2014 (SCI-Expanded)

Books & Book Chapters

I. **Microalgae as a promising candidate for fighting climate change and biodiversity loss**
Reisoglu Ş., Aydın S.
in: Microalgae - Current and Potential Applications, Sevcan Aydın, Editor, IntechOpen, London, pp.1-26, 2023

II. **"Omics" Technologies in Biodegradation Processes**
Aydın S., Çalışkan M.
in: Marine Organisms: A Solution to Environmental Pollution?. Environmental Challenges and Solutions, Encarnação,T.,Canelas Pais,A., Editor, Springer, London/Berlin , Zürich, pp.1-269, 2023

III. **The Diversity of Gut Bacteria and Psychological Disorders**
Aydın S., Tavşanlı N., Erözden A. A., Çalışkan M.
in: Genetic Diversity - Recent Advances and Applications, Prof. Dr. Mahmut Çalışkan, Editor, Intech Open, London, pp.1-20, 2023

IV. **Production, Cost Analysis, and Marketing of Bioorganic Liquid Fertilizers and Plant Nutrition Enhancers**
Turan V., Aydın S., Sönmez O.
in: Industrial Microbiology Based Entrepreneurship, Natarajan Amaresan,Dhanasekaran Dharumadurai,Diana R. Cundell, Editor, Springer, London/Berlin , Singapore, pp.193-198, 2022

V. **Waste Treatments**
Aydın S.
in: Microbial Systematics Taxonomy, Microbial Ecology, Diversity , Bhagwan Rekadwad, Editor, CRC, New York , Florida, pp.145-166, 2020

VI. **Energy**
Aydın S.
in: icrobial Systematics: Taxonomy, Microbial Ecology, Diversity, Bhagwan Rekadwad, Editor, CRC, New York , Florida, pp.166-177, 2020

VII. **Metabolic Engineering**
Aydın S., Arabacı D. N., Çinlar O., Shahi A.
in: Microbial Systematics: Taxonomy, Microbial Ecology, Diversity, Bhagwan Rekadwad, Editor, CRC, New York , New York, pp.100-113, 2020

VIII. **Anaerobic Digestion**
Aydın S.
in: Waste Biomass Management – A Holistic Approach, Lakhveer Singh,Vipin Chandra Kalia, Editor, Springer, London/Berlin , Berlin, pp.1-14, 2018

IX. **Advanced Biomethane Processes**
Aydın S.
in: Sustainable energy technologies , Eduardo Rincón-Mejía,Alejandro de las Heras, Editor, CRC, New York , Florida, pp.343-356, 2017

X. **Application of quantitative real-time PCR for microbial community analysis in environmental research**
Aydın S.
in: Handbook of Online and Near-real-time Methods in Microbiology, Maximilian Lackner,Wihelm Grabow,Philipp

Stadler, Editor, CRC, New York , Florida, pp.77-86, 2017

Refereed Congress / Symposium Publications in Proceedings

I. **AA AMYLOIDOSIS IN A PATIENT WITH MUTATIONS IN BOTH ADA2 AND A20 GENES**
Amikishiyev S., Ince B., Bektas M., Yalcinkaya Y., Artim-Esen B., Inanc M., Gul A.
EULAR European Congress of Rheumatology (EULAR), Copenhagen, Denmark, 1 - 04 June 2022, vol.81, pp.1756-1757

Supported Projects

AYDIN S., TARAKÇI Ç., Project Supported by Higher Education Institutions, İklim Değişikliğinin Toprak Mikrobiyal Çeşitliliği Üzerindeki Etkisinin Değerlendirilmesi, 2023 - Continues
Aydın S., Reisoğlu Ş., Erasmus Project, Green Particapation, Green Europe , 2023 - 2025
Aydın S., Balcı M., Özdelice N., Sönmez O., Durmuş T., Project Supported by Higher Education Institutions, Toprak biyoçeşitliliğinin arttırılmasında kırmızı deniz mikroalglerinin (Rhodophyta) biyostimülant potansiyelinin araştırılması, 2023 - 2024
AYDIN S., ÇATI C., Project Supported by Higher Education Institutions, Mikroplastiklerdeki biyofilm oluşumunun incelenmesi, 2023 - 2024
AYDIN S., REİSOĞLU Ş., Project Supported by Higher Education Institutions, Biyolojik atık su arıtma sistemlerinde bakteriyofajların biyoteknolojik uygulamaları, 2023 - 2024
AYDIN S., AKTAŞ D. K., Project Supported by Higher Education Institutions, Vegan kefir üretiminde yaban mersini (Vaccinium myrtillus) ekstraktı kullanımının mikrobiyal komünite üzerindeki etkilerinin araştırılması, 2023 - 2024
Aydın S., Çalışkan M., Tavşanlı N., Erözden A. A., Erasmus Project, Green All Together, 2022 - 2024
AYDIN S., ŞERBETÇİ S. G., SAFA S., DOĞAN D., Project Supported by Higher Education Institutions, Boza fermentasyonunda prebiyotik kullanımının mikrobiyal komünite üzerindeki etkisinin belirlenmesi, 2023 - 2023
AYDIN S., ATAKLI U., ERCAN H., ZENGİN Ö. D., Project Supported by Higher Education Institutions, Su kefirinde yer alan mikrorganizmaların probiyotik içeriğinin biyoteknolojik metotlarla zenginleştirilmesi, 2023 - 2023
Aydın S., Tavşanlı N., Project Supported by Higher Education Institutions, The investigation of vegan kefir and animal-based kefir fortified with Haematococcus pluvialis in terms of functionality, nutritional and microbial diversity properties, 2022 - 2023
Aydın S., Can Kurt K., Abulaila A., Çağlar B., Tabak Ö. F., Project Supported by Other Official Institutions, Illuminating the action mechanism of COVID-19 infection on the gastrointestinal tract, 2021 - 2022
Aydın S., Koçyiğit A., İnce O., TUBITAK Project, Anaerobik ve aerobik biyofilm tabakasında yer alan aktif mikrobiyal komünitenin incelenip, biyolojik temizleme ajanlarının biyofilm tabakasının ve antibiyotik direnç gelişiminin önlenmesindeki potansiyelinin belirlenmesi, 2017 - 2022
Aydın S., Yıldırım S. T., Project Supported by Higher Education Institutions, 2020 - 2021
Can K., Aydın S., Project Supported by Higher Education Institutions, 2020 - 2021
İnce B., Aydın S., TUBITAK Project, 2016 - 2019
İnce O., Aydın S., İnce B., TÜBİTAK International Bilateral Joint Cooperation Program Project, Petrol Türevi Atıkların Anaerobik Biyodegradasyon Verimliliğinin Geliştirilmesi- SIFIRATIK, 2016 - 2019

Patent

Aydın S., PETROL İLE KİRLENMİŞ TOPRAKLARIN BİYOLOJİK İYİLEŞTİRİLMEYE TABİ TUTULMASINI SAĞLAYAN EKONOMİK BİR YÖNTEM, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Registration Number: 2019/07304 , Standard Registration, 2023
Aydın S., Rumen Fungusları İçeren Mikrobiyolojik Kokteyl (ANOP) Kullanılarak Makroalglerden Biyometan Üretimin

Ekonomik Olarak Arttırılmasına Yönelik Yöntem Geliştirilmesi, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Registration Number: TR 2016 20350 B , Standard Registration, 2019
Aydin S., Method for bioremediation of petroleum-contaminated soils, Patent, CHAPTER B Implementation of Operations; Transport, The Invention Recourse Number: PCT/TR2017/050087 , Standard Registration, 2018
Aydin S., A method for improvement bioenergy potential from microalgae, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Recourse Number: PCT/TR2016/050558 , Standard Registration, 2018
Aydin S., A method for improving the biogas potential of anaerobic digestions with rumen fungi, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Recourse Number: PCT/TR2016/050550 , Standard Registration, 2018

Activities in Scientific Journals

FRONTIERS IN MICROBIOLOGY, Assistant Editor/Section Editor, 2022 - Continues

Scientific Refereeing

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Istanbul University, Turkey, June 2023
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Istanbul University, Turkey, August 2021
H2020 Project, H2020 Research Infrastructures Project, the European Union's Horizon 2020 research and innovation programme, Belgium, January 2021

Metrics

Publication: 53
Citation (WoS): 1175
Citation (Scopus): 1362
H-Index (WoS): 20
H-Index (Scopus): 21