

## Prof. Sevcan AYDIN

### Personal Information

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### International Researcher IDs

ScholarID: 6U9vGZIAAAAJ

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, Department Of Biology, 2023 - Continues

Associate Professor, Nisantasi University, Faculty Of Engineering-Architecture, Department Of Genetics And Bioengineering, 2018 - 2021

Assistant Professor, Nisantasi University, Faculty Of Engineering-Architecture, Department Of Genetics And Bioengineering, 2017 - 2018

### Academic and Administrative Experience

Vice Dean, Nisantasi University, Faculty Of Engineering-Architecture, Department Of Genetics And Bioengineering, 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., INVESTIGATION OF BIOFILM FORMATION ON MICROPLASTICS, Postgraduate, C.ÇATI(Student), 2024  
Aydın S., ASSESSMENT OF THE IMPACT OF CLIMATE CHANGE ON SOIL MICROBIAL DIVERSITY, Postgraduate, Ç.SAKTAŞ(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., 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

1. **Production of new functional coconut milk kefir with blueberry extract and microalgae: the comparison of the prebiotic potentials on lactic acid bacteria of kefir grain and biochemical characteristics**

Aktas D. K., AYDIN S.

Journal of Food Science and Technology, vol.61, no.10, pp.1986-1997, 2024 (SCI-Expanded)

- II. **Evaluating the potential effect of microalgae on soymilk vegan kefir in terms of physical, chemical, microbiological properties**  
Tavşanlı N., Yıldız S., Çalışkan M., Aydın S.  
ALGAL RESEARCH-BIOMASS BIOFUELS AND BIOPRODUCTS, vol.82, 2024 (SCI-Expanded)
- III. **Investigation of the acute impact of rosemary consumption on brain activity in healthy volunteers**  
Muduroglu-Kirmizibekmez A., Cati C., Onder A., AYDIN S., Kara I.  
NUTRITIONAL NEUROSCIENCE, 2024 (SCI-Expanded)
- IV. **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, vol.24, no.6, 2024 (SCI-Expanded)
- V. **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)
- VI. **Bacteriophage and Their Potential Use in Bioaugmentation of Biological Wastewater Treatment Processes**  
Reisoglu S., AYDIN S.  
SUSTAINABILITY, vol.15, no.16, 2023 (SCI-Expanded)
- VII. **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., Aydın S.  
The Science of the total environment, vol.890, pp.164291, 2023 (SCI-Expanded)
- VIII. **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)
- IX. **Anthocyanin Addition to Kefir: Metagenomic Analysis of Microbial Community Structure.**  
Aydın S., Erözden A. A., Tavşanlı N., Müdüroğlu A., Çalışkan M., Kara İ.  
Current microbiology, vol.79, no.11, pp.327, 2022 (SCI-Expanded)
- X. **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)
- XI. **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)
- XII. **Enhanced removal of antibiotics using *Eichhornia crassipes* root biomass in an aerobic hollow-fiber membrane bioreactor**  
Aydın S., Arabaci D. N., Shahi A., Fakhri H., Övez S.  
BIOFOULING, vol.38, no.3, pp.223-234, 2022 (SCI-Expanded)
- XIII. ***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)
- XIV. **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)
- XV. **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)
- XVI. **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)
- XVII. **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)
- XVIII. **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)
- XIX. **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)
- XX. **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)
- XXI. **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)
- XXII. **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)
- XXIII. **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)
- XXIV. **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)
- XXV. **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)
- XXVI. **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)
- XXVII. **Reconstruction of bacterial community structure and variation for enhanced petroleum hydrocarbons degradation through biostimulation of oil contaminated soil**

- Shahi A., Aydin S., Ince B., Ince O.  
CHEMICAL ENGINEERING JOURNAL, vol.306, pp.60-66, 2016 (SCI-Expanded)
- XXVIII. **A comprehensive microbial insight into single-stage and two-stage anaerobic digestion of oxytetracycline-medicated cattle manure**  
Akyol C., Aydin S., Ince O., Ince B.  
CHEMICAL ENGINEERING JOURNAL, vol.303, pp.675-684, 2016 (SCI-Expanded)
- XXIX. **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., Ince O.  
INTERNATIONAL BIODETERIORATION & BIODEGRADATION, vol.114, pp.67-74, 2016 (SCI-Expanded)
- XXX. **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., Ince O., Ince B.  
APPLIED MICROBIOLOGY AND BIOTECHNOLOGY, vol.100, no.14, pp.6469-6479, 2016 (SCI-Expanded)
- XXXI. **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)
- XXXII. **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)
- XXXIII. **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)
- XXXIV. **Assessment of anaerobic bacterial diversity and its effects on anaerobic system stability and the occurrence of antibiotic resistance genes**  
Aydin S., Ince B., Ince O.  
BIORESOURTE TECHNOLOGY, vol.207, pp.332-338, 2016 (SCI-Expanded)
- XXXV. **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., Ince O.  
ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY, vol.125, pp.153-160, 2016 (SCI-Expanded)
- XXXVI. **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)
- XXXVII. **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., Ince O.  
WATER RESEARCH, vol.83, pp.337-344, 2015 (SCI-Expanded)
- XXXVIII. **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., Ince O.  
BIORESOURTE TECHNOLOGY, vol.192, pp.735-740, 2015 (SCI-Expanded)
- XXXIX. **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., Ince O.  
BIORESOURTE TECHNOLOGY, vol.186, pp.207-214, 2015 (SCI-Expanded)

- XL. 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., Ince O.  
WATER RESEARCH, vol.76, pp.88-98, 2015 (SCI-Expanded)
- XLI. Acute effects of various antibiotic combinations on acetoclastic methanogenic activity**  
Ozbayram E. G., Arıkan O., Ince B., Cetecioglu Z., Aydin S., Ince O.  
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.22, no.8, pp.6230-6235, 2015 (SCI-Expanded)
- XLII. Inhibitory effects of antibiotic combinations on syntrophic bacteria, homoacetogens and methanogens**  
Aydin S., Cetecioglu Z., Arıkan O., Ince B., Ozbayram E. G., Ince O.  
CHEMOSPHERE, vol.120, pp.515-520, 2015 (SCI-Expanded)
- XLIII. Inhibitory effect of erythromycin, tetracycline and sulfamethoxazole antibiotics on anaerobic treatment of a pharmaceutical wastewater**  
Aydin S., Ince B., Ince O.  
WATER SCIENCE AND TECHNOLOGY, vol.71, no.11, pp.1620-1628, 2015 (SCI-Expanded)
- XLIV. The joint acute effect of tetracycline, erythromycin and sulfamethoxazole on acetoclastic methanogens**  
Aydin S., Ince B., Ince O.  
WATER SCIENCE AND TECHNOLOGY, vol.71, no.8, pp.1128-1135, 2015 (SCI-Expanded)
- XLV. Performance of anaerobic sequencing batch reactor in the treatment of pharmaceutical wastewater containing erythromycin and sulfamethoxazole mixture.**  
Aydin Ş. B., Ince B., Cetecioglu Z., Ozbayram E. G., Shahi A., Okay O., Arıkan O. A., Ince 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, Encarnaçao, 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: Microbial Systematics: Taxonomy, Microbial Ecology, Diversity, Bhagwan Rekadwad, Editor, CRC, New York ,

Florida, pp.166-177, 2020

**VII. Metabolic Engineering**

Aydın S., Arabacı D. N., Çınlar 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, Wilhelm Grabow, Philipp Stadler, Editor, CRC, New York, Florida, pp.77-86, 2017

## **Refereed Congress / Symposium Publications in Proceedings**

- I. Specific Methanogenic Activity Test for Determine the Feasibility of Water Hyacinth to Biogas Production**  
Fakhri H., ÖVEZ S., AYDIN S., UNLU İ. D.  
1. Çevre Mühendisliği Kaynak Geri Kazanımı Uluslararası Kongresi - 1st International Conference on Resource Recovery in Environmental Engineering, Turkey, 15 - 16 November 2018
- II. Improvement of anaerobic biodegradation of petroleum derived wastes by using nitrate reducing environment**  
İNCE O., SEYİS M. N., ÇALIŞIYOR A., ERDENER Y., AYDIN S., KOYUNCU İ., İNCE B.  
ISME17 Leipzig 17th International Symposium on Microbial Ecology, 12 - 17 August 2018
- III. Effect of inoculum acclimation on energy recovery from anaerobic reactors digesting chicken manure**  
GÖMEÇ Ç., Sapmaz T., AYDIN S.  
Sixth European Conference on Renewable Energy Systems (ECRES2018), 25 - 27 June 2018, pp.278-284
- IV. Impact of various thermophilic anaerobic digestion conditions on the microbial community structure and the release of antibiotic resistance genes to the environment**  
GOKHAN T., AYDIN S., AKYOL Ç., İNCE O., İNCE B.  
VII International Conference on Environmental, Industrial and Applied Microbiology, 18 - 20 October 2017
- V. Evaluation of dominant bacterial phyla during biostimulation practice of petroleum contaminated soil using Illumina HiSeq**  
SHAHI A., AYDIN S., İNCE B., İNCE O.  
VII International Conference on Environmental, Industrial and Applied Microbiology, 18 - 20 October 2017
- VI. The Study of Quantitative Changes in Microbial Communities and Functional Genes in a Petroleum Contaminated Soil after Treated by White Rot Fungi**  
SHAHI A., AYDIN S., İNCE B., İNCE O.  
VII International Conference on Environmental, Industrial and Applied Microbiology, Madrid, Spain, 18 - 20 October 2017
- VII. Evaluation of Dominant Bacterial Phyla During Biostimulation Practice of Petroleum Contaminated Soil Using Illumina HiSeq**  
SHAHI A., AYDIN S., İNCE B., İNCE O.

VII International Conference on Environmental, Industrial and Applied Microbiology, Madrid, Spain, 18 - 20 October 2017

- VIII. **Microbial Dynamics in Laying Hen Waste and its Anaerobic Treatability at Mesophilic Temperature**  
GÖMEÇ Ç., AYDIN S.  
5th International Conference on Sustainable Solid Waste Management, 21 - 24 March 2017
- IX. **Use of PCR-DGGE based molecular methods to assessment of microbial diversity during anaerobic treatment of antibiotic combinations**  
AYDIN S., İNCE B., İNCE O.  
Biomicroworld, 28 - 30 October 2015
- X. **Analysis of the microbial community of highly petroleum polluted soil obtained from dredging of petroleum waste storage pit as an approach for evaluation of its bioaugmentation potential**  
İNCE O., İNCE B., AYDIN S.  
Biomicroworld, 28 - 30 October 2015
- XI. **Inhibitory effect of erythromycin, tetracycline and sulfamethoxazole antibiotics on anaerobic treatment of a pharmaceutical wastewater**  
İNCE O., AYDIN S., İNCE B.  
Biomicroworld, 28 - 30 October 2015
- XII. **Effects of the antimicrobial and antibiotics on the microbial community structure and the development of antibiotic resistance genes in anaerobic sequencing batch reactor**  
AYDIN S., ÇETECİOĞLU GÜROL Z., ÖZBAYRAM E. G., ARIKAN O. A., İNCE O.  
IWA Balkan Young Water Professionals, 10 - 12 May 2015
- XIII. **Evaluation of changes in microbial community structure and functional genes in petroleum-contaminated soil through a bioremediation monitoring process**  
AYDIN S., İNCE B., İNCE O.  
Biomicroworld, 28 - 30 October 2015
- XIV. **Chronic Effects of Erythromycin, Tetracycline and Sulfamethoxazole Combinations on the Performance of Anaerobic Sequencing Batch Reactor**  
İNCE O., İNCE B., ÇETECİOĞLU GÜROL Z., ÖZBAYRAM E. G., ARIKAN O. A., AYDIN S.  
2nd International Conference on Biogas Microbiology, 10 - 12 June 2014
- XV. **Performance of anaerobic sequencing batch reactor in the treatment of pharmaceutical wastewater containing erythromycin and sulfamethoxazole mixture**  
AYDIN S., İNCE B., ARIKAN O. A., İNCE O., ÇETECİOĞLU GÜROL Z., ÖZBAYRAM E. G., OKAY O.  
IWA 6th Eastern European Young Water Professionals Conference "East meets West", 28 - 30 May 2014
- XVI. **Long-Term Combined Effects of antibiotics on anaerobic sequencing batch reactors (ASBRs) treating pharmaceutical wastewater", IWA 6th Eastern European Young Water Professionals Conference**  
AYDIN S., İNCE O., İNCE B., ÇETECİOĞLU GÜROL Z., ARIKAN O. A., ÖZBAYRAM E. G.  
IWA 6th Eastern European Young Water Professionals Conference "East meets West", 28 - 30 May 2014
- XVII. **Determination of the chronic effects of antibiotic mixtures on resistance genes and microbial community structure within anaerobic sequencing batch reactors treating pharmaceutical wastewater**  
AYDIN S., İNCE O., İNCE B., ÇETECİOĞLU GÜROL Z., ÖZBAYRAM E. G.  
Biomicroworld 2013, 2 - 04 October 2013
- XVIII. **Short-term inhibition impact of antimicrobials on the homoacetogenic and methanogenic activities of an enriched culture**  
AYDIN S., İNCE B., ARIKAN O. A., ÇETECİOĞLU GÜROL Z., İNCE O.  
International Symposium on Microbial Ecology ISME 14, 19 - 24 August 2012

## Supported Projects

AYDIN S., TARAKÇI Ç., Project Supported by Higher Education Institutions, İklim Değişikliğinin Toprak Mikrobiyal



Çeşitliliği Üzerindeki Etkisinin Değerlendirilmesi, 2023 - Continues

Aydın S., SÖNMEZ O., TURAN V., TÜBİTAK Project, 2023 - 2027

Aydın S., Erasmus Project, The science of wellbeing for youth, 2024 - 2026

Aydın S., Sönmez O., Turan V., Yurtsever M., TÜBİTAK Project, Development of bioremediation methods designed by biotechnological applications for the removal of soil-borne microplastic pollution, 2023 - 2026

Aydın S., Reisoğlu Ş., Erasmus Project, Green Participation, Green Europe , 2023 - 2025

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Publication: 73

Citation (WoS): 1298

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