

## Assoc. Prof. Hanife SARI ERKAN

### Personal Information

**Office Phone:** [+90 212 383 5393](tel:+902123835393)

**Fax Phone:** [+90 212 383 5356](tel:+902123835356)

**Email:** [hsari@yildiz.edu.tr](mailto:hsari@yildiz.edu.tr)

**Web:** <https://avesis.yildiz.edu.tr/hsari>

### International Researcher IDs

ORCID: 0000-0003-1701-6482

Yoksis Researcher ID: 191382

### Education Information

Doctorate, Yildiz Technical University, Faculty Of Civil Engineering, Çevre Mühendisliği, Turkey 2012 - 2017

Postgraduate, Yildiz Technical University, Faculty Of Civil Engineering, Çevre Mühendisliği, Turkey 2010 - 2012

Undergraduate, Selcuk University, Faculty Of Engineering-Architecture, Çevre Mühendisliği, Turkey 2003 - 2008

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Aerobik membran biyoreaktörlerde farklı karbon/azot oranına sahip atıksuların arıtımı ve aktif çamur özelliklerinin değişimi , Yıldız Teknik Üniversitesi, Faculty of Civil Engineering, Çevre Mühendisliği, 2017

Postgraduate, Elektrodializ bipolar membran prosesiyle arıtılmış sızıntı suyunun fenton oksidasyonu ile nihai arıtımının değerlendirilmesi / Evaluation of final treatment with fenton oxidation of treated leachate by electro dialysis bipolar membrane process, Yıldız Teknik Üniversitesi, Faculty of Civil Engineering, Çevre Mühendisliği, 2012

### Research Areas

Environmental Engineering, Environmental Sciences, Environmental Chemistry, Environmental Technology, Waste Water Collection and Treatment, Industrial and Hazardous Waste Management, Water Pollution and Control, Engineering and Technology

### Academic Titles / Tasks

Associate Professor, Yildiz Technical University, Faculty Of Civil Engineering, Department Of Environmental Engineering, 2020 - Continues

Research Assistant PhD, Yildiz Technical University, Faculty Of Civil Engineering, Department Of Environmental Engineering, 2017 - 2020

Research Assistant, Yildiz Technical University, Faculty Of Civil Engineering, Department Of Environmental Engineering, 2010 - 2017

## Courses

Deniz Kirliliği , Undergraduate, 2023 - 2024

Water Quality Control, Undergraduate, 2017 - 2018

## 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. **Fluoxetine removal by anodic oxidation using different anode materials and graphite cathode**  
Sarı Erkan H., Kaska D., Kara N., Onkal Engin G.  
Environmental Technology (United Kingdom), vol.45, no.26, pp.5674-5687, 2024 (SCI-Expanded)
- III. **Improving paper mill effluent treatment: a hybrid approach using electrocoagulation and electrooxidation with oxone**  
Dogan A. D., Kara N., Caglak A., Erkan H. S.  
International Journal of Environmental Science and Technology, 2024 (SCI-Expanded)
- IV. **Oestrone removal by anodic oxidation using different mixed metal oxide anodes and graphite cathode**  
Sarı Erkan H., Kara N., Kaska D., Onkal Engin G.  
International Journal of Environmental Analytical Chemistry, 2024 (SCI-Expanded)
- V. **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)
- VI. **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)
- VII. **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)
- VIII. **Treatment of wastewater from the washing process of a municipal solid waste collection container by electrochemical treatment using different anode materials: a statistical optimization**  
Takatas B., SARI ERKAN H.  
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.30, no.11, pp.29663-29680, 2023 (SCI-Expanded)
- IX. **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)
- X. **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)
- XI. **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)
- XII. **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)
- XIII. **A review of advantages and challenges of using engineered nanoparticles for waste and wastewater treatments**  
SARI ERKAN H., Bakaraki Turan N., Onkal Engin G., BİLGİLİ M. S.  
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, vol.18, no.10, pp.3295-3306, 2021 (SCI-Expanded)
- XIV. **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)
- XV. **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)
- XVI. **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)
- XVII. **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)
- XVIII. **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)
- XIX. **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., Bakırdere S., Engin G.  
ANALYTICAL LETTERS, vol.53, no.15, pp.2431-2444, 2020 (SCI-Expanded)
- XX. **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)
- XXI. **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)
- XXII. **Optimization of atrazine removal from synthetic groundwater by electrooxidation process using titanium dioxide and graphite electrodes**  
Bakaraki Turan N., Sarı Erkan H., Çağlak A., Bakırdere S., Engin G.  
Separation Science And Technology, vol.55, no.16, pp.3036-3045, 2020 (SCI-Expanded)
- XXIII. **Waste activated sludge disintegration by hydroxyl and sulfate radical-based oxidations: A comparative study**  
Sarı Erkan H.  
ENVIRONMENTAL SCIENCE-WATER RESEARCH & TECHNOLOGY, vol.5, no.5, pp.2027-2040, 2019 (SCI-Expanded)
- XXIV. **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., Bakırdere S.

- Bulletin Of Environmental Contamination And Toxicology, vol.103, pp.841-847, 2019 (SCI-Expanded)
- XXV. **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)
- XXVI. **Wastewater treatment from the biodiesel production using waste cooking oil by electrocoagulation: a multivariate approach**  
Sarı Erkan H.  
WATER SCIENCE AND TECHNOLOGY, vol.79, no.12, pp.2366-2377, 2019 (SCI-Expanded)
- XXVII. **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)
- XXVIII. **Treatment of metal plating wastewater using iron electrode by electrocoagulation process: Optimization and process performance**  
ÖDEN M. K., SARI ERKAN H.  
PROCESS SAFETY AND ENVIRONMENTAL PROTECTION, vol.119, pp.207-217, 2018 (SCI-Expanded)
- XXIX. **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)
- XXX. **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)
- XXXI. **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)
- XXXII. **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)
- XXXIII. **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)
- XXXIV. **The investigation of shale gas wastewater treatment by electro-Fenton process: Statistical optimization of operational parameters**  
Turan N. B., ERKAN H., ENGİN G.  
PROCESS SAFETY AND ENVIRONMENTAL PROTECTION, vol.109, pp.203-213, 2017 (SCI-Expanded)
- XXXV. **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)
- XXXVI. **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)
- XXXVII. **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)
- XXXVIII. **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)
- XXXIX. **Final treatment of young, middle-aged, and stabilized leachates by Fenton process: optimization by response surface methodology**  
Erkan H., Apaydin Ö.  
DESALINATION AND WATER TREATMENT, vol.54, no.2, pp.342-357, 2015 (SCI-Expanded)
- XL. **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)
- XLI. **Equilibrium and kinetic studies on the removal of heavy metal ions by natural low cost adsorbents**  
VARANK G., DEMİR A., BİLGİLİ M. S., SELİN T., SEKMAN E., YAZICI S., SARI ERKAN H.  
Environment Protection Engineering, vol.40, pp.43-61, 2014 (SCI-Expanded)
- XLII. **Evaluation of treatment and recovery of leachate by bipolar membrane electro dialysis process**  
İLHAN F., KABUK H. A., KURT U., AVŞAR Y., SARI ERKAN H., GÖNÜLLÜ M. T.  
Chemical Engineering And Processing, pp.67-74, 2014 (SCI-Expanded)
- XLIII. **Investigation of Sorption Characteristics of Anaerobically Digested Dewatered Municipal Sewage Sludge**  
Varank G., Demir A., Bilgili M. S., Selin T., Sekman E., Yazıcı S., Sarı Erkan H.  
Environment Protection Engineering, vol.40, pp.119-133, 2014 (SCI-Expanded)
- XLIV. **Fuzzy logic modeling of Fenton s strong chemical oxidation process treating three types of landfill leachates**  
SARI ERKAN H., YETİLMEZSOY K., İLHAN F., YAZICI S., KURT U., APAYDIN Ö.  
Environmental Science And Pollution Research, vol.20, pp.4235-4253, 2013 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Treatment of textile wastewater in combined granular activated carbonmembrane bioreactor (GAC-MBR)**  
Tecilri 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. **Waste sludge disintegration and bound water reduction by chemical oxidation: A comparative study**  
SARI ERKAN H.  
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, vol.40, pp.118-131, 2022 (ESCI)
- IV. **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)
- V. **Ceramic industry wastewater treatment by chemical coagulation process: a statistical optimization of operating parameters**  
SARI ERKAN H.  
Sakarya University Journal of Science, vol.23, pp.233-243, 2019 (Peer-Reviewed Journal)
- VI. **Calcium removal from calcium rich paper mill wastewater by microbial CaCO<sub>3</sub> 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)

## Books & Book Chapters

I. **Microplastics Removal Performance Through Advanced Treatment Technologies: A Mini Review**

SARI ERKAN H., ENGİN G.

in: Wastewater Management and Technologies, Eyüp&nbsp;Debik, Müfit&nbsp;Bahadır, Andreas&nbsp;Haarstrick, Editor, Springer, pp.239-247, 2023

II. **Microplastics Removal Performance Through Advanced Treatment Technologies: A Mini Review**

SARI ERKAN H., ENGİN G.

in: Wastewater Management and Technologies, Eyüp DebikMüfit BahadırAndreas Haarstrick, Editor, SpringerLink, pp.239-247, 2023

III. **Fouling control in MBR in a sustainable perspective**

SARI ERKAN H., BAKARAKI TURAN N., ENGİN G.

in: Current Developments in Biotechnology and BioengineeringAdvanced 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

IV. **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

## Refereed Congress / Symposium Publications in Proceedings

I. **Assessing the Sustainability of Electrocoagulation Treatment for Textile Wastewater in Dye Production Industry and Its Circular Economy Potential**

DOĞAN A. D., SARI ERKAN H., TECİRLİ E. Ş., BİRİNCİ A., TEKYILDIZ Y.

9th International Conference On Engineering and Natural Science, Sarajevo, Bosnia And Herzegovina, 17 May 2023, vol.1, pp.1

II. **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

III. **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

IV. **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

- V. **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
- VI. **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
- VII. **Biodiesel Wastewater Treatment by Electrocoagulation using Aluminum and Graphite Electrodes**  
SARI ERKAN H.  
4th Eurasian Conference on Civil and Environmental Engineering (ECOCEE), 17 - 18 June 2019, pp.198-202
- VIII. **Treatment of Industrial Wastewater by Electrocoagulation Process Using Copper Electrode: optimization with response surface methodology (RSM),**  
SARI ERKAN H., ÖDEN M. K.  
4th International Conference on Civil Environmental, Geology and Mining Engineering (ICOCEM- Trabzon 2019 ), 20-22 April 2019, Turkey, Trabzon, Turkey, 20 - 22 April 2019, pp.1100-1118
- IX. **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
- X. **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
- XI. **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
- XII. **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
- XIII. **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
- XIV. **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
- XV. **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
- XVI. **Mevcut Evsel Atıksu Arıtma Tesislerinin Membran Biyoreaktör Teknolojisi Kullanılarak Yenilenmesi ve İyileştirilmesi**  
SARI ERKAN H., ENGİN G.  
4th International Water Congress, 2 - 04 November 2017, pp.44
- XVII. **Sinyal sönmüleme (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
- XVIII. **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

- XIX. **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
- XX. **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
- XXI. **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
- XXII. **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
- XXIII. **Aluminum Electrocoagulation with Peroxide Applied to Paper Industry Wastewater**  
VARANK G., DEMİR A., KASAP T., YAZICI S., SARI ERKAN H.  
EURASIA 2016 Waste Management Symposium, 2 - 04 May 2016
- XXIV. **Quorum Quenching For Biofilm Formation Prevention**  
NOUHA B., ENGİN G., SARI ERKAN H., DOTSE SELALİ C., BAKIRDERE S.  
EURASIA 2016 Waste Management Symposium, 2 - 04 May 2016
- XXV. **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
- XXVI. **Environmental Mineralogical and Geotechnical Investigations of Anaerobically Digested Dewatered Sewage Sludge**  
VARANK G., DEMİR A., ÖZÇOBAN M. Ş., YAZICI GÜVENÇ S., SARI ERKAN H.  
EURASIA 2016 WASTE MANAGEMENT SYMPOSIUM, İstanbul, Turkey, 2 - 04 May 2016, pp.1038-1044
- XXVII. **Mineralogical and Geotechnical Investigations of Anaerobically Digested Dewatered Sewage Sludge**  
Demir A., Özçoban M. Ş., Yazıcı Güvenç S., ERKAN H.  
EURASIA 2016 Waste Management Symposium, 01 May 2016
- XXVIII. **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
- XXIX. **Membrane Fouling In sMBRs Effect of Activated Sludge Rheology**  
ENGİN G., İNCE M., ERKAN H., İNCE E., BİLGİLİ M. S.  
EurAsia Waste Management Symposium, 28 - 30 April 2014
- XXX. **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
- XXXI. **Textile Sludge Dewatering by Chemical and Electrochemical Methods**  
APAYDIN Ö., SARI ERKAN H.  
Conference on Recycling and Reuse, 4 - 06 June 2012, pp.347



**XXXII. Treatability of Diluate Solution from Electrodialysis Process by Aerobic Sequencing Batch Reactor  
International Conference on Recycling and Reuse**

SARI ERKAN H., İLHAN F., YAZICI S., ALTUNTAŞ K., APAYDIN Ö.

International Conference on Recycling and Reuse., 4 - 06 June 2012

**XXXIII. Fouling of Ion Exchange Membranes in Electrodialysis Process for Recovery of Leachate Compounds**

YAZICI S., İLHAN F., SARI ERKAN H., ALTUNTAŞ K., KURT U.

Euraisa Waste Management Symposium, 10 - 11 November 2011

## **Supported Projects**

Engin G., Sarı Erkan H., Ayat Aydođan B., Aydođan 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

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

Sarı Erkan H., Engin G., Project Supported by Higher Education Institutions, BATIK MEMBRAN BİYOREAKTÖRDE FARKLI C N ORANLARININ MEMBRAN KİRLENMESİNE ETKİSİ, 2013 - 2016

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

## **Metrics**

Publication: 89

Citation (WoS): 380

Citation (Scopus): 809

H-Index (WoS): 10

H-Index (Scopus): 16