

## Assoc. Prof. Hanife SARI ERKAN

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### International Researcher IDs

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### 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

### Undergraduate

Deniz Kirliliği , Undergraduate, 2023 - 2024

Water Quality Control, Undergraduate, 2017 - 2018

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Microplastic Presence in Antarctic Seawater and Surface Sediment Samples: Findings from the Turkish National Antarctic Scientific Expedition TAE-7**  
KARA N., SARI ERKAN H., Celen M., Onkal Engin G.  
Turkish Journal of Fisheries and Aquatic Sciences, vol.25, no.6, 2025 (SCI-Expanded)
- II. **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, vol.22, no.4, pp.2461-2478, 2025 (SCI-Expanded)
- III. **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)
- 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. **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)
- VI. **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)
- VII. **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)
- VIII. **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)
- IX. **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)
- X. **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)

- XI. **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)
- XII. **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)
- XIII. **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)
- XIV. **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)
- XV. **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)
- 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. **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)
- XVIII. **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)
- XIX. **Performance evaluation of conventional membrane bioreactor and moving bed membrane bioreactor for synthetic textile wastewater treatment**  
Sarı Erkan H., Çağlak A., Soysaloglu A., Takatas B., Onkal Engin G.  
JOURNAL OF WATER PROCESS ENGINEERING, vol.38, 2020 (SCI-Expanded)
- XX. **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)
- XXI. **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)
- XXII. **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)
- XXIII. **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)
- XXIV. **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)
- XXV. **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)
- XXVI. **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)
- XXVII. **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)
- XXVIII. **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)
- XXIX. **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)
- XXX. **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)
- XXXI. **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)
- XXXII. **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)
- 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. **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)
- XXXV. **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)
- XXXVI. **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)
- XXXVII. **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)
- XXXVIII. **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)
- XXXIX. **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)
- XL. **Final treatment of young, middle-aged, and stabilized leachates by Fenton process: optimization by response surface methodology**  
Erkan H., Apaydın Ö.  
DESALINATION AND WATER TREATMENT, vol.54, no.2, pp.342-357, 2015 (SCI-Expanded)
- XLI. **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)
- XLII. **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)
- XLIII. **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)
- XLIV. **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)
- XLV. **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. **Effective removal of fluoxetine using different dimensionally stable anodes (DSA) in an electro-oxidation process**  
Onen O. K., DOĞAN A. D., KARA N., SARI ERKAN H., Onkal Engin G.  
Sigma Journal of Engineering and Natural Sciences, vol.43, no.1, pp.15-24, 2025 (ESCI)
- II. **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)
- III. **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)

- IV. **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)
- 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. **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)
- VII. **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)
- VIII. **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)
- IX. **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

- 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

## Papers Published in Refereed Scientific Meetings

- 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 sönümleme (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.  
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## **Metrics**

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