

Assoc. Prof. Senem YAZICI GÜVENÇ

Personal Information

Office Phone: [+90 212 383 5383](tel:+902123835383)

Fax Phone: [+90 212 383 5358](tel:+902123835358)

Email: syazici@yildiz.edu.tr

Web: <https://avesis.yildiz.edu.tr/syazici>

International Researcher IDs

ORCID: 0000-0002-2877-0977

Yoksis Researcher ID: 173765

Education Information

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Çevre Mühendisliği, Turkey
2012 - 2017

Postgraduate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Turkey 2010 - 2012

Undergraduate, Trakya University, Turkey 2005 - 2009

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Biyoreaktör Depo Sahalarında Nanomalzemelerin Davranışları ve Atıkların Ayrışma Prosesleri Üzerindeki Etkilerinin Araştırılması, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Çevre Mühendisliği Bölümü, 2017

Postgraduate, Elektrodializ Bipolar Membran Proseslerin Tıkanma Mekanizması ve Önleme Çalışmalarının Analizi: Sızıntı Suyu Örneği, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Çevre Mühendisliği Bölümü, 2012

Research Areas

Environmental Engineering, Environmental Technology, Waste Water Collection and Treatment, Environmental Modeling, Solid Waste Engineering and Management, Water Supply and Treatment, 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,

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Intensification of adsorptive ceramic ultrafiltration membrane system by nanoclay coating and multivariate optimization of humic acid removal**
Al-Mutwalli S. A., Taher M. N., Yokus S., CAN GÜVEN E., YAZICI GÜVENÇ S., İmer D. Y., VARANK G.
Journal of Water Process Engineering, vol.68, 2024 (SCI-Expanded)
- II. **Hybrid and combined electro-oxidation and peroxi-coagulation processes in effective treatment of textile reverse osmosis concentrate**
YAZICI GÜVENÇ S., Bayat M. E., CAN GÜVEN E., VARANK G.
Chemical Engineering Science, vol.298, 2024 (SCI-Expanded)
- III. **Refractory organic matter removal from mature leachate by bipolar electrocoagulation-electrooxidation reactor configurations**
Ersöz Ö. N., Garazade N., YAZICI GÜVENÇ S., CAN GÜVEN E., VARANK G., DEMİR A.
Process Safety and Environmental Protection, vol.190, pp.663-677, 2024 (SCI-Expanded)
- IV. **Alternative sequential combinations of electrocoagulation with electrooxidation and peroxi-coagulation for effective treatment of adhesive production industry wastewater**
Boyras B., Unal Yilmaz E., YAZICI GÜVENÇ S., CAN GÜVEN E., VARANK G., DEMİR A.
Journal of Environmental Management, vol.367, 2024 (SCI-Expanded)
- V. **Multivariate optimization of organic matter and color removal from textile dyeing industry wastewater by ultraviolet-activated oxidants**
CAN GÜVEN E., Korkmaz M. Y., YAZICI GÜVENÇ S., VARANK G.
Journal of Photochemistry and Photobiology A: Chemistry, vol.452, 2024 (SCI-Expanded)
- VI. **Application of environmentally friendly technologies for the management of nanofiltration concentrate from landfill leachate**
YAZICI GÜVENÇ S., Ozen I., Binici M., Demiroz B., TÜRK O. K., CAN GÜVEN E., VARANK G.
Journal of Environmental Chemical Engineering, vol.12, no.3, 2024 (SCI-Expanded)
- VII. **Sequential electrocoagulation and Fenton/Photo-Fenton processes for the treatment of membrane bioreactor effluent of landfill leachate**
Kösem E., Ersöz Ö. N., Yılmaz R. N., Babaoğlu D., YAZICI GÜVENÇ S., CAN GÜVEN E., VARANK G.
Colloids and Surfaces A: Physicochemical and Engineering Aspects, vol.689, 2024 (SCI-Expanded)
- VIII. **Hydrogen peroxide assisted advanced electrocoagulation for reducing the organic content of leachate nanofiltration concentrate**
VARANK G., YAZICI GÜVENÇ S., CAN GÜVEN E., Yokus S., Bilgin O. N.
Journal of Industrial and Engineering Chemistry, vol.132, pp.369-382, 2024 (SCI-Expanded)
- IX. **Artificial intelligence methods for modeling gasification of waste biomass: a review**
Alfarra F., ÖZCAN H. K., Cihan P., ÖNGEN A., GUVENC S. Y., ÇİNER M. N.
Environmental Monitoring and Assessment, vol.196, no.3, 2024 (SCI-Expanded)
- X. **Effective treatment of textile industry wastewater by combined ultraviolet assisted and Fe²⁺ catalyzed percarbonate oxidation**
Unal Yilmaz E., Gundogdu H., Bilgin O. N., Yokus S., TÜRK O. K., YAZICI GÜVENÇ S., CAN GÜVEN E., VARANK G.
Journal of Dispersion Science and Technology, vol.45, no.8, pp.1585-1598, 2024 (SCI-Expanded)
- XI. **Removal of COD, phenol, and colour from olive mill wastewater by iron-activated persulphate process: multivariate optimisation approach**
Ates S., Ates E., YAZICI GÜVENÇ S., CAN GÜVEN E., AYDIN S., VARANK G.
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- XII. **Biodegradability enhancement and sequential treatment of real chemical industry wastewater by chemical coagulation and Electro-Fenton processes**
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- XIII. **Alternative treatment of olive mill wastewater by combined sulfate radical-based advanced electrocoagulation processes**
YAZICI GÜVENÇ S., Tunc S.
Water Environment Research, vol.95, no.12, 2023 (SCI-Expanded)
- XIV. **Hybrid treatment of olive mill wastewater by iron-catalyzed percarbonate and peroxymonosulfate oxidation followed by electrooxidation**
CAN GÜVEN E., Bayrak Ş., Dokuyucu B., YAZICI GÜVENÇ S., VARANK G.
Journal of Water Process Engineering, vol.54, 2023 (SCI-Expanded)
- XV. **Efficient treatment of landfill leachate membrane bioreactor effluent through sequential coagulation–flocculation and electrooxidation**
Bayat M. E., Bilgin O. N., Varank G., Yazıcı Güvenç S., Can Güven E.
ENVIRONMENTAL SCIENCE: WATER RESEARCH & TECHNOLOGY, no.x, pp.1-22, 2023 (SCI-Expanded)
- XVI. **Performance evaluation of hybrid electrochemical processes in mature leachate treatment**
Bilgin O. N., Yokus S., VARANK G., YAZICI GÜVENÇ S., CAN GÜVEN E., DEMİR A.
Journal of Chemical Technology and Biotechnology, vol.98, no.6, pp.1365-1375, 2023 (SCI-Expanded)
- XVII. **Advanced electrocoagulation using aluminum electrodes supported by persulfate for the treatment of a high-strength wastewater**
Yokus S., Bilgin O. N., Unal Yilmaz E., Gundogdu H., Yazıcı Güvenç S., Can Güven E., Varank G.
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- XVIII. **Combination of zero-valent aluminum-acid system and electrochemically activated persulfate oxidation for biologically pre-treated leachate nanofiltration concentrate treatment**
YAZICI GÜVENÇ S., Ozen I., Binici M., Yildirim D., CAN GÜVEN E., VARANK G.
Environmental Pollution, vol.320, 2023 (SCI-Expanded)
- XIX. **Pre-coagulated landfill leachate treatment by Electro-oxidation using MMO/Ti, Pt/Ti, and graphite anodes**
Guvenc S. Y., Daniser Y., Can-Güven E., Varank G., Demir A.
Environmental Engineering Research, vol.28, no.1, 2023 (SCI-Expanded)
- XX. **Photodegradation of oxytetracycline by UV-assisted persulfate and percarbonate processes: kinetics, influencing factors, anion effect, and radical species**
TÜRK O. K., Adalar G., YAZICI GÜVENÇ S., CAN GÜVEN E., VARANK G., DEMİR A.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.30, pp.869-883, 2023 (SCI-Expanded)
- XXI. **Electrochemically activated persulfate and peroxymonosulfate for furfural removal: optimization using Box-Behnken design**
Can-Guven E., İLHAN F., ALTUNTAŞ K., YAZICI GÜVENÇ S., VARANK G.
ENVIRONMENTAL TECHNOLOGY, vol.44, no.9, pp.1251-1264, 2023 (SCI-Expanded)
- XXII. **Application of the hybrid electrocoagulation–electrooxidation process for the degradation of contaminants in acidified biodiesel wastewater**
YAZICI GÜVENÇ S., VARANK G., CAN GÜVEN E., Ercan H., Yaman D., Saricam E., TÜRK O. K.
Journal of Electroanalytical Chemistry, vol.926, 2022 (SCI-Expanded)
- XXIII. **Box-Behnken design-based biodiesel wastewater treatment using sequential acid cracking and electrochemical peroxidation process: Focus on COD, oil-grease and volatile fatty acids removals**
YAZICI GÜVENÇ S., Cebi A., CAN GÜVEN E., DEMİR A., Ghanbari F., VARANK G.
KOREAN JOURNAL OF CHEMICAL ENGINEERING, vol.39, no.9, pp.2555-2570, 2022 (SCI-Expanded)
- XXIV. **Application of combined EO/PMS/Me₂+process in organic matter and true color removal from paint manufacturing industry wastewater**
Can Güven E., Yazıcı Güvenç S., İlhan F., Varank G.
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- XXV. **Multivariate Optimization of Cephalexin, Ciprofloxacin, and Clarithromycin Degradation in Medical Laboratory Wastewater by Ozonation**
Basturk I., VARANK G., Murat-Hocaoglu S., YAZICI GÜVENÇ S., Can-Guven E., Oktem-Olgun E. E., Canli O.

- OZONE-SCIENCE & ENGINEERING, vol.44, no.3, pp.302-316, 2022 (SCI-Expanded)
- XXVI. **Recalcitrant pollutants removal from paper mill wastewater by ferrous ion- and heat- activated persulfate oxidation processes using response surface methodology: a comparison study**
Guvenc S. Y., Can-Guven E., VARANK G.
SEPARATION SCIENCE AND TECHNOLOGY, vol.57, no.7, pp.1151-1166, 2022 (SCI-Expanded)
- XXVII. **Modeling and optimization of syngas production from biomass gasification**
Varank G., ÖNGEN A., Guvenc S., Ozcan H. K., Ozbas E. E., Can-Guven E.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, vol.19, no.4, pp.3345-3358, 2022 (SCI-Expanded)
- XXVIII. **Degradation of oxytetracycline in aqueous solution by heat-activated peroxydisulfate and peroxymonosulfate oxidation**
Ulucan-Altuntas K., Yazıcı Güvenç S., Can Güven E., İlhan F., Varank G.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.29, no.6, pp.9110-9123, 2022 (SCI-Expanded)
- XXIX. **Persulfate enhanced electrocoagulation of paint production industry wastewater: Process optimization, energy consumption, and sludge analysis**
Guvenc S. Y., Can-Guven E., VARANK G.
PROCESS SAFETY AND ENVIRONMENTAL PROTECTION, vol.157, 2022 (SCI-Expanded)
- XXX. **Electro/Fe²⁺/Persulfate Oxidation of Landfill Leachate Nanofiltration Concentrate Using MMO/TiO₂-Ti Anode: A Kinetic Study**
YAZICI GÜVENÇ S., CAN GÜVEN E., Cebi A., VARANK G., ÖZKAYA B.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH, vol.15, no.6, pp.959-969, 2021 (SCI-Expanded)
- XXXI. **Comparison of Ozonation and Electro-Fenton Processes for Sodium Azide Removal in Medical Laboratory Wastewater by Using Central Composite Design**
Basturk I., Murat-Hocaoglu S., VARANK G., Yazici-Guvenc S.
SEPARATION SCIENCE AND TECHNOLOGY, vol.56, no.17, pp.2951-2966, 2021 (SCI-Expanded)
- XXXII. **Sequential coagulation and heat activated persulfate-peroxide binary oxidation process for landfill leachate treatment**
Can-Guven E., Guvenc S. Y., VARANK G.
JOURNAL OF WATER PROCESS ENGINEERING, vol.42, 2021 (SCI-Expanded)
- XXXIII. **Microwave activated persulfate oxidation of leachate subsequent to optimized chemical coagulation**
VARANK G., Uykan B., Can-Guven E., Guvenc S.
DESALINATION AND WATER TREATMENT, vol.228, pp.362-375, 2021 (SCI-Expanded)
- XXXIV. **Characterization and Treatment of Medical Laboratory Wastewater by Ozonation: Optimization of Toxicity Removal by Central Composite Design**
Basturk I., VARANK G., Murat-Hocaoglu S., Yazici-Guvenc S., Oktem-Olgun E. E., Canli O.
OZONE-SCIENCE & ENGINEERING, vol.43, no.3, pp.213-227, 2021 (SCI-Expanded)
- XXXV. **Medical laboratory wastewater treatment by electro-fenton process: Modeling and optimization using central composite design**
Basturk I., VARANK G., Murat Hocaoglu S., YAZICI GÜVENÇ S.
WATER ENVIRONMENT RESEARCH, vol.93, no.3, pp.393-408, 2021 (SCI-Expanded)
- XXXVI. **Paper mill wastewater treatment by Fe(2+) and heat-activated persulfate oxidation: Process modeling and optimization**
Can-Guven E., Guvenc S., Kavan N., VARANK G.
ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY, vol.40, no.2, 2021 (SCI-Expanded)
- XXXVII. **Simultaneous degradation of cephalexin, ciprofloxacin, and clarithromycin from medical laboratory wastewater by electro-Fenton process**
Basturk I., Varank G., Murat-Hocaoglu S., Yazıcı Güvenç S., Can Güven E., Oktem-Olgun E. E., Canli O.
JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING, vol.9, no.1, 2021 (SCI-Expanded)
- XXXVIII. **Degradation of refractory organics in concentrated leachate by the Fenton process: Central composite design for process optimization**
YAZICI GÜVENÇ S., VARANK G.

FRONTIERS OF ENVIRONMENTAL SCIENCE & ENGINEERING, vol.15, no.1, 2021 (SCI-Expanded)

- XXXIX. **Electro-activated Persulfate Oxidation of Biodiesel Wastewater Following Acidification Phase: Optimization of Process Parameters Using Box–Behnken Design**
YAZICI GÜVENÇ S., VARANK G., CEBİ A., ÖZKAYA B.
Water, Air, and Soil Pollution, vol.232, no.1, 2021 (SCI-Expanded)
- XL. **Concentrated Leachate Treatment by Electro-Fenton and Electro-Persulfate Processes Using Central Composite Design**
VARANK G., GUVENC S., DINCER K., DEMİR A.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH, vol.14, no.4, pp.439-461, 2020 (SCI-Expanded)
- XLI. **Electro-activated peroxymonosulfate and peroxydisulfate oxidation of leachate nanofiltration concentrate: multiple-response optimization**
Varank G., Yazici Guvenc S., Demir A.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, vol.17, no.5, pp.2707-2720, 2020 (SCI-Expanded)
- XLII. **Modeling and optimizing electro-persulfate processes using Fe and Al electrodes for paper industry wastewater treatment**
VARANK G., YAZICI GÜVENÇ S., DEMİR A., KAVAN N., DONMEZ N., ONEN Z. T.
WATER SCIENCE AND TECHNOLOGY, vol.81, no.2, pp.345-357, 2020 (SCI-Expanded)
- XLIII. **EFFECTS OF PERSULFATE, PEROXIDE ACTIVATED PERSULFATE AND PERMANGANATE OXIDATION ON TREATABILITY AND BIODEGRADABILITY OF LEACHATE NANOFILTRATION CONCENTRATE**
YAZICI GÜVENÇ S., VARANK G., DEMİR A.
ENVIRONMENT PROTECTION ENGINEERING, vol.46, no.3, pp.97-108, 2020 (SCI-Expanded)
- XLIV. **Central composite design for the advanced treatment of biologically treated leachate nanofiltration concentrate using zero-valent copper and iron activated persulfate**
VARANK G., GUVENC S. Y., ÇEBİ A., GÜVEN E. C.
Desalination and Water Treatment, vol.208, pp.434-447, 2020 (SCI-Expanded)
- XLV. **Performance of electrocoagulation and electro-Fenton processes for treatment of nanofiltration concentrate of biologically stabilized landfill leachate**
YAZICI GÜVENÇ S., DİNÇER K., VARANK G.
JOURNAL OF WATER PROCESS ENGINEERING, vol.31, pp.100863, 2019 (SCI-Expanded)
- XLVI. **Optimization of COD removal from leachate nanofiltration concentrate using H₂O₂/Fe²⁺/heat – Activated persulfate oxidation processes**
YAZICI GÜVENÇ S.
Process Safety And Environmental Protection, vol.126, pp.7-17, 2019 (SCI-Expanded)
- XLVII. **A comparative study of electrocoagulation and electro-Fenton for food industry wastewater treatment: Multiple response optimization and cost analysis**
VARANK G., GUVENC S. Y., DEMİR A.
SEPARATION SCIENCE AND TECHNOLOGY, vol.53, no.17, pp.2727-2740, 2018 (SCI-Expanded)
- XLVIII. **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)
- XLIX. **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)
- L. **The impact of nanoparticles on aerobic degradation of municipal solid waste**
Guvenc S., ALAN B., Adar E., BİLGİLİ M. S.
WASTE MANAGEMENT & RESEARCH, vol.35, no.4, pp.426-436, 2017 (SCI-Expanded)
- LI. **Enhancing filterability of activated sludge from landfill leachate treatment plant by applying electrical field ineffective on bacterial life**

- Akkaya G. K., Sekman E., Top S., SAGIR E., BİLGİLİ M. S., GUVENC S. Y.
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- LII. **The optimization and modeling of PCP wastewater using response surface methodology by electrocoagulation process**
YAZICI GÜVENÇ S.
DESALINATION AND WATER TREATMENT, vol.63, pp.34-42, 2017 (SCI-Expanded)
- LIII. **Process optimization via response surface methodology in the treatment of metal working industry wastewater with electrocoagulation**
GUVENC S., OKUT Y., OZAK M., HAKTANIR B., BİLGİLİ M. S.
WATER SCIENCE AND TECHNOLOGY, vol.75, no.4, pp.833-846, 2017 (SCI-Expanded)
- LIV. **Investigation of Liner Systems in Transport of Organic and Inorganic Contaminants in Sanitary Landfill: A Case Study**
VARANK G., DEMİR A., Adar E., BİLGİLİ M. S., Top S., GUVENC S. Y., ÖZÇOBAN M. Ş.
CLEAN-SOIL AIR WATER, vol.45, no.1, 2017 (SCI-Expanded)
- LV. **Optimization of treatment leachates from young, middle-aged and elderly landfills with bipolar membrane electro dialysis**
İlhan F., GUVENC S., AVŞAR Y., Kurt U., Gonullu M. T.
ENVIRONMENTAL TECHNOLOGY, vol.38, no.21, pp.2733-2742, 2017 (SCI-Expanded)
- LVI. **Municipal Solid Waste Characterization according to Different Income Levels: A Case Study**
Ozcan H. K., GUVENC S., GUVENC L., Demir G.
SUSTAINABILITY, vol.8, no.10, 2016 (SCI-Expanded)
- LVII. **Statistical optimization of process parameters for tannery wastewater treatment by electrocoagulation and electro-Fenton techniques**
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DESALINATION AND WATER TREATMENT, vol.57, pp.25460-25473, 2016 (SCI-Expanded)
- LVIII. **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)
- LIX. **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.
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- LX. **EQUILIBRIUM AND KINETIC STUDIES ON THE REMOVAL OF HEAVY METAL IONS WITH NATURAL LOW-COST ADSORBENTS**
VARANK G., DEMİR A., BİLGİLİ M. S., Top S., Sekman E., Yazici S., Erkan H. S.
ENVIRONMENT PROTECTION ENGINEERING, vol.40, no.3, pp.43-61, 2014 (SCI-Expanded)
- LXI. **Fuzzy-logic modeling of Fenton's strong chemical oxidation process treating three types of landfill leachates**
Sari H., Yetilmezsoy K., İlhan F., Yazici S., Kurt U., Apaydın Ö.
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Articles Published in Other Journals

- I. **Pre-coagulated landfill leachate treatment by synergistic ultraviolet and electro-persulfate process**
Can Güven E., Yazıcı Güvenç S., Varank G., Demir A.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, vol.42, no.1, pp.252-259, 2024 (ESCI)
- II. **The carbon footprint of a university campus Case study of Yildiz Technical University, Davutpaşa Campus, Turkey.**
Yazici Güvenç S., Canikli S., Can Güven E., Varank G., Akbaş H. E.

Visions for Sustainability, no.20, pp.1-33, 2023 (Scopus)

- III. **BOX-BEHNKEN DESIGN OPTIMIZATION OF ELECTRO-FENTON/-PERSULFATE PROCESSES FOLLOWING THE ACIDIFICATION FOR TSS REMOVAL FROM BIODIESEL WASTEWATER**
Yazıcı Güvenç S., Varank G.
Sigma Journal of Engineering and Natural Sciences, vol.38, pp.1767-1780, 2020 (ESCI)
- IV. **ENERGY CONSUMPTION AND EFFICIENCY IMPROVEMENT OF ELECTRO-ACTIVATED PERSULFATE PROCESSES: OPTIMIZATION BY CCD FOR TOC REMOVAL FROM LEACHATE CONCENTRATE**
YAZICI GÜVENÇ S., VARANK G., DEMİR A., CAN GÜVEN E.
Sigma Journal of Engineering and Natural Sciences, vol.38, no.4, pp.1791-1810, 2020 (ESCI)
- V. **Pretreatment of Food Industry Wastewater by Coagulation: Process Modeling and Optimization**
Yazıcı Güvenç S., Can Güven E.
Celal Bayar Üniversitesi Fen Bilimleri Dergisi, vol.15, no.3, pp.307-316, 2019 (Peer-Reviewed Journal)
- VI. **Kozmetik Sanayi Atıksularının Elektro-Fenton Yöntemi ile Arıtımında Cevap Yüzey Metodu Kullanılarak Proses Optimizasyonu**
YAZICI GÜVENÇ S., VARANK G.
Çukurova Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, 2019 (Peer-Reviewed Journal)
- VII. **Effect of inorganic salt solutions on consistency limits of kaolinite**
VARANK G., DEMİR A., YAZICI GÜVENÇ S., ÖZÇOBAN M. Ş.
Balıkesir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.20, pp.1-11, 2018 (Peer-Reviewed Journal)
- VIII. **Fluoride removal from aqueous solution by electrocoagulation using aluminium electrodes: Isotherm and kinetic studies**
YAZICI GÜVENÇ S., VARANK G., DEMİR A.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.24, no.6, pp.1130-1134, 2018 (ESCI)
- IX. **Kaolinitin kıvam limitleri üzerine inorganik tuz çözeltilerinin etkileri**
Varank G., Demir A., Yazıcı Güvenç S., Özçoban M. Ş.
Balıkesir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.20, no.1, pp.110-120, 2018 (Peer-Reviewed Journal)
- X. **EFFECT OF TiO₂ AND Ag NANOPARTICLES ON MIGRATION BEHAVIOR OF LEACHATE CONTAMINANTS IN AEROBIC BIOREACTOR LANDFILLS**
Guvenc S., ALAN B., Adar E., BİLGİLİ M. S.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.34, no.4, pp.493-503, 2016 (ESCI)
- XI. **THE EFFECT OF AG NANOPARTICLES ON LEACHATE CHARACTERISTICS FROM AEROBIC LANDFILL BIOREACTORS**
Guvenc S., ERTURK O., BİLGİLİ M. S.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.34, no.4, pp.483-492, 2016 (ESCI)

Books & Book Chapters

- I. **Evaluation of Contaminant Transport Through Alternative Liner Systems from Leachate to Groundwater Using One-Dimensional Mass Transport Model**
Varank G., Adiller A., Yazıcı Güvenç S., Adar E., Demir A.
in: Recycling and Reuse Approaches for Better Sustainability, Nilgün Balkaya, Sinan Güneysu, Editor, Springer, London/Berlin, Basel, pp.87-95, 2019

Refereed Congress / Symposium Publications in Proceedings

- I. **Yapıştırıcı Kimyasal Üretim Atık Sularının Ardışık Koagülasyon-Elektrokimyasal/Fotokimyasal**

Proseslerle Arıtımının Araştırılması

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