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Research Areas

Environmental Sciences, Environmental Technology

Academic Titles / Tasks

Assistant Professor, Ataturk University, Uygulamalı Bilimler Fakültesi, Acil Yardım ve Afet Yönetimi Bölümü, 2024 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Investigation of Mass Transfer of Ozone in Jet Loop Reactor**
Cengiz İ., Değermenci N., YILDIZ E., Barlak M. S.
Korean Journal of Chemical Engineering, vol.41, no.4, pp.1045-1053, 2024 (SCI-Expanded)
- II. **High-speed treatment of low strength domestic wastewater for irrigation water production in pilot-scale classical, moving bed and fixed bed hybrid MBRs**
Tuluk B., YILDIZ E., NUHOĞLU A., Tataroglu N. S., Gulluce E., CENGİZ İ., DEĞERMENCİ N., ANGIN İ.
JOURNAL OF CLEANER PRODUCTION, vol.375, 2022 (SCI-Expanded)
- III. **Comparison of phenol removal with ozonation in jet loop reactor and bubble column**
Barlak M. S., DEĞERMENCİ N., CENGİZ İ., Özel H. U., YILDIZ E.
JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING, vol.8, no.5, 2020 (SCI-Expanded)
- IV. **Investigation of ammonia stripping with a hydrodynamic cavitation reactor**
Taşdemir A., Cengiz İ., Yıldız E., Bayhan Y. K.
Ultrasonics Sonochemistry, vol.60, 2020 (SCI-Expanded)
- V. **The effect of initial pH and retention time on boron removal by continuous electrocoagulation process**
MASSARA T. M., YILMAZ A. E., Cengiz I., MALAMİS S., YILMAZ M. T., Komesli O. T., STANCHEV P., INGLEZAKİS V. J., KATSOU E.
DESALINATION AND WATER TREATMENT, vol.112, pp.99-105, 2018 (SCI-Expanded)
- VI. **Performance investigation of a jet loop membrane bioreactor for the treatment of an actual olive mill wastewater**
Değermenci N., cengiz İ., YILDIZ E., Nuhoglu A.
JOURNAL OF ENVIRONMENTAL MANAGEMENT, vol.184, pp.441-447, 2016 (SCI-Expanded)

Articles Published in Other Journals

- I. **Decolorization of Acid Yellow 17 by ozonation and Peroxone (O₃/H₂O₂) Process**
CENGİZ İ.
Black Sea Journal of Engineering and Science, vol.7, 2024 (Peer-Reviewed Journal)
- II. **Investigation of Heavy Metal Pollution in Soil and Plants: The Case of Bayburt Province**
KUL S., GÜL V., CENGİZ İ.
JOURNAL OF ANATOLIAN ENVIRONMENTAL AND ANIMAL SCIENCES, vol.6, no.2, pp.195-203, 2021 (Peer-Reviewed Journal)
- III. **THE INVESTIGATION OF FLOW RATE EFFECT ON LEACHATE TREATMENT BY ELECTROOXIDATION PROCESS**
YILMAZ A. E., DEDE Y., SAKARYA M., CENGİZ İ.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, vol.11, no.1, pp.73-82, 2020 (ESCI)
- IV. **Zeytin Karasuyunun İleri Oksidasyon Prosesleri İle Arıtımının İncelenmesi**
EKMEKYAPAR TORUN F., CENGİZ İ., KUL S.
İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.10, no.3, pp.1597-1606, 2020 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Effect of pH on Reactive Red 45 Removal by Ozonation Process**
CENGİZ İ.
5th International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 25 - 27 September 2024
- II. **EFFECT OF GAS CONCENTRATION ON DECOLORIZATION OF AQUEOUS SOLUTIONS CONTAINING ACID YELLOW 17 BY OZONATION PROCESS**
CENGİZ İ.
International Congress on Multidisciplinary Approaches in Agricultural Sciences (ASMAG), Bayburt, Turkey, 15 - 17 May 2024, pp.278-282
- III. **AMMONIA STRIPPING IN CONTINUOUS HYDRODYNAMIC CAVITATION REACTOR**
TAŞDEMİR A., CENGİZ İ., YILDIZ E., BAYHAN Y. K.
TMMOB-ÇMO, XIII. Ulusal- I. Uluslararası Çevre Mühendisliği Kongresi 1, 10 - 12 October 2019
- IV. **The Investigation of pH Value and Current Density Effects on Domestic Wastewater Treatment by Electrocoagulation Process in The Batch System**
DEDE Y., YILMAZ A. E., CENGİZ İ.
3rd International Conference on Advanced Engineering Technologies, 19 - 21 September 2019
- V. **The Investigation of Flow Rate Effect on Leachate Treatment by Electrooxidation Process**
DEDE Y., YILMAZ A. E., CENGİZ İ., SAKARYA M.
3rd International Conference on Advanced Engineering Technologies, 19 - 21 September 2019
- VI. **Investigation of the effect of particulate size and stirring rate on copper removal from aqueous solutions with thermal drying-incineration waste**
KUL S., TAŞDEMİR A., CENGİZ İ.
International Symposium on Applied Sciences and Engineering, Erzurum, Turkey, 26 - 28 November 2018, pp.88-90
- VII. **Elektrooksidasyon Prosesi ile Sızıntı Suyu Arıtımına Akış Hızının Etkisinin İncelenmesi**
YILMAZ A. E., SAKARYA M., KOMESLİ O. T., CENGİZ İ., DEDE Y.
1st International Potable Water and Waste Water Symposium, 6 - 07 December 2018
- VIII. **Use of Cavitation in Gas Transfer**
TAŞDEMİR A., YILDIZ E., CENGİZ İ., BAYHAN Y. K.
II. International Conference on Advanced Engineering Technologies, 21 - 23 September 2017
- IX. **Cavitation Supported Submerged Membrane Bioreactor Application**
CENGİZ İ., YILDIZ E., TAŞDEMİR A.
II. International Conference on Advanced Engineering Technologies, 21 - 23 September 2017

- X. **The Effect of Initial pH and Retention Time on Boron Removal by Continuous Electrocoagulation Process**
YILMAZ A. E., CENGİZ İ., MASSARA T., YILMAZ M. T., STANCHEY P., KOMESLİ O. T., KATSOU E.
5th International Conference on Sustainable Solid Waste Management, 21 - 24 September 2017
- XI. **Hibrit MBR'ler ile Eysel ve Endüstriyel Atıksuların Arıtılması: Biyofilm ve Kaviteasyon Destekli MBR Sistemleri**
CENGİZ İ., YILDIZ E., NUHOĞLU A., DEĞERMENCİ N.
Membran Biyoreaktör Teknolojileri Çalıştayı, Turkey, 18 - 20 April 2017
- XII. **Drinking Water Treatment in Submerged Hollow Fiber Microfiltration Effect of Backwashing**
YILDIZ E., CENGİZ İ., KOP A., DEĞERMENCİ N., NUHOĞLU A.
2nd World Congress on New Technologies, 18 - 19 August 2016
- XIII. **Removal of Phenol under Aerobic Conditions by a Hollow Fibre Membrane Bioreactor**
NUHOĞLU A., YILDIZ E., BONCUKCUOĞLU R., CENGİZ İ., BUDAK H.
2nd World Congress on New Technologies, 18 - 19 July 2016
- XIV. **Jet Loop Reaktörde Fenolün Ozonlanarak Giderilmesi**
Barlak M. S., cengiz İ., Değermenci N., Uçun Özel H., YILDIZ E.
Türkiye'de Çevre Kirlenmesi Öncelikleri Sempozyumu VII, İstanbul, Turkey, 22 - 23 November 2012, pp.5
- XV. **Jet Loop Reaktörde Fenolün Ozonlanarak Giderilmesi**
Barlak M. S., cengiz İ., Değermenci N., Uçun Özel H., YILDIZ E.
Türkiye'de Çevre Kirlenmesi Öncelikleri Sempozyumu VII, İstanbul, Turkey, 22 - 23 November 2012, pp.5

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