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Education Information

Doctorate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Çevre Mühendisliği (Dr), Turkey 2015 - Continues
Postgraduate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Çevre Mühendisliği (Yl) (Tezli), Turkey 2012 - 2015
Undergraduate, Middle East Technical University, Faculty of Engineering, Department of Environmental Engineering, Turkey 2007 - 2012

Dissertations

Postgraduate, EFFECTS OF ULTRASOUND PRETREATMENT AND ANAEROBIC DIGESTION ON THE ENERGY POTENTIAL OF SLUDGE, Middle East Technical University, Graduate School of Natural and Applied Sciences, Çevre Mühendisliği (Yl) (Tezli), 2015

Academic Titles / Tasks

Research Assistant, Middle East Technical University, Faculty of Engineering, Department of Environmental Engineering, 2012 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Maximizing the energy potential of urban sludge treatment: An experimental study and a scenario-based energy analysis focusing on anaerobic digestion with ultrasound pretreatment and sludge combustion**
ÇELEBİ E. B., AKSOY A., SANİN F. D.
ENERGY, vol.221, 2021 (SCI-Expanded)

II. **Effects of anaerobic digestion enhanced by ultrasound pretreatment on the fuel properties of municipal sludge**
ÇELEBİ E. B., AKSOY A., SANİN F. D.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.27, no.14, pp.17350-17358, 2020 (SCI-Expanded)

Articles Published in Other Journals

I. **Arıtma çamurlarının kurutulmasında sera tipi kurutucular ve güneş panellerinin birlikte kullanımının maliyetler bazında incelenmesi**
ÇELEBİ E. B., AKSOY A., SANİN F. D.
Çevre Biim ve Teknoloji, vol.1, no.2, pp.106-124, 2016 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. **Otonom su devrilmesi izleme-uyarı-müdahale sistemi**
Şanlı E. B., Şimşir S., Sömek S. K., Kallem A., Yücel Bilen Ö., Çelebi E. B., Ünalan U. B., Ahmadian R., Demir Ş., Aksoy A.
14. Ulusal 2.Uluslararası Çevre Mühendisliği Kongresi, 09 December 2021, pp.279-284
II. **An autonomous system for minimization of turnover effects in eutrophic lakes**
Şimşir S., Sömek S. K., Şanlı E. B., Aydoğa K., Yücel Bilen Ö., Çelebi E. B., Ünalan U. B., Reza A., Demir Ş., Aksoy A.
AQUA≈360, Exeter, England, 31 August - 02 September 2021
III. **Cost-based comparison of sludge drying alternatives for biological municipal wastewater treatment plants in Turkey**
ÇELEBİ E. B., Calbay E., Kurt M., AKSOY A., SANİN F. D.
SMICE 2018, 23 - 25 May 2018
IV. **Effects of anaerobic digestion on the combustion of sewage sludge**
ÇELEBİ E. B., AKSOY A., SANİN F. D.
8th International Conference on Environmental Science and Technology, 6 - 10 June 2016
V. **ULTRASON ÖNARITIMI VE ANAEROBİK ÇÜRÜTME İŞLEMLERİNİN BİYOGAZ ÜRETİMİ VE KENTSEL ÇAMURUN YAKIT ÖZELLİKLERİ ÜZERİNDEKİ ETKİLERİ**
ÇELEBİ E. B., AKSOY A., SANİN F. D.
11. Ulusal Çevre Mühendisliği Kongresi, Turkey, 14 - 17 October 2015
VI. **Effects of Ultrasound Pretreatment on Biogas Generation from Anaerobic Digestion and Fuel Properties of Municipal Sludge**
ÇELEBİ E. B., AKSOY A., SANİN F. D.
WEF/IWA Residuals and Biosolids Conference, Washington, United States Of America, 7 - 10 June 2015

Supported Projects

SANİN F. D., ÇELEBİ E. B., Project Supported by Higher Education Institutions, Anaerobik Çürütme Sırasında Arıtma Çamurlarının Yakmaya Yönelik Isıl Özelliklerinin ve Enerji Potansiyelinin İrdelenmesi, 2014 - 2015

Metrics

Publication: 9
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