

## Res. Asst. EMREHAN BERKAY ÇELEBİ

### Personal Information

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### Education Information

Doctorate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Çevre Mühendisliği (Dr), Turkey 2015 - Continues

Post Graduate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Çevre Mühendisliği (YI) (Tezli), Turkey 2012 - 2015

Under Graduate, Middle East Technical University, Faculty of Engineering, Department of Environmental Engineering, Turkey 2007 - 2012

### Dissertations

Post Graduate, 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 (YI) (Tezli), 2015

### Academic Titles / Tasks

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

### Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- 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 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)

### 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.

## Refereed Congress / Symposium Publications in Proceedings

- I. **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
- II. **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
- III. **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
- IV. **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

## Citations

Total Citations (WOS):2

h-index (WOS):1