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International Researcher IDs

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Education Information

Doctorate, Istanbul Technical University, İnşaat, Çevre Mühendisliği, Turkey 2023 - Continues

Postgraduate, Istanbul Technical University, İnşaat, Çevre Mühendisliği, Turkey 2019 - 2022

Undergraduate, Istanbul Technical University, İnşaat, Çevre Mühendisliği, Turkey 2014 - 2019

Dissertations

Postgraduate, ECONOMIC ANALYSIS OF LOCAL COAL-FIRED LARGE-SCALE THERMAL POWER PLANT COAL COMBUSTION WASTE MANAGEMENT AND USE IN CEMENT PRODUCTION IN TÜRKİYE, Istanbul Technical University, Lisansüstü Eğitim Enstitüsü, 2022

Research Areas

Environmental Engineering, Engineering and Technology

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Waste characterization and recycling potential in a university campus: ITU Ayazağa Campus zero waste management practices**
Maçın K. E., Özçelik K., Güven H., Arıkan O. A.
JOURNAL OF MATERIAL CYCLES AND WASTE MANAGEMENT, vol.26, no.1, pp.2-19, 2024 (SCI-Expanded)
- II. **Impact of different inoculum sources on the performance of membrane bioreactors for municipal wastewater treatment: Dynamic membrane versus ultrafiltration membrane**
Işık O., Cengiz A. İ., Abdelrahman A. M., Özçelik K., Yüksekdağ A., Koyuncu İ., Erşahin M. E., Ozgun H., Demir İ.
Journal of Water Process Engineering, vol.46, 2022 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Post-Treatment of High-Rate Activated Sludge Process Effluent for Irrigational Use**
Gülhan H., Özçelik K., Eryıldız Yesir B., Hamidi M. N., Yüksekdağ A., Koyuncu İ., Güven H., Erşahin M. E., Özgün Erşahin H., Öztürk İ.
7th MEMTEK INTERNATIONAL SYMPOSIUM ON MEMBRANE TECHNOLOGIES AND APPLICATIONS, İstanbul,

Turkey, 17 - 19 October 2023, pp.57-64

II. Appropriate Roof Selection in Rainwater Harvesting for Irrigation Purposes

Hamidi M. N., Cengiz A. İ., Özçelik K., Eryıldız Yesir B., Ekmekcioğlu Ö., Demirel M. C., Canberk B., Işık O., Koyuncu İ., Güven H., et al.

7th MEMTEK International Symposium on Membrane Technologies and Applications, İstanbul, Turkey, 17 - 19 October 2023, pp.256-266

III. Examining The Life Cycle Analysis Of Electric Vehicle Batteries: A Review

Övez S. S., Arıkan O. A., Güven H., Maçın K. E., Üçtuğ F. G., Özçelik K.

International Sustainable Resource Recovery Strategies Towards Zero Waste (FULLRECO4US) Conference, İstanbul, Turkey, 13 - 15 September 2023, pp.46

IV. Earthquake waste generation estimations for cities affected by February 6, 2023 earthquakes in Türkiye

Özçelik K., Arıkan O. A., Altınbaş M., Güven H., Çetinkaya A. T., Maçın K. E.

International Sustainable Resource Recovery Strategies Towards Zero Waste (FULLRECO4US) Conference, İstanbul, Turkey, 13 - 15 September 2023, pp.142

V. Management of Coal Combustion Products Originated from Thermal Power Plants in Türkiye

Özçelik K., Maçın K. E., Arıkan O. A.

6th EurAsia Waste Management Symposium,, İstanbul, Turkey, 24 - 26 October 2022, pp.569-574

VI. Waste Management in Hospitals in Türkiye: The Case of Tekirdag City Hospital

Koncagül ., Özçelik K., Maçın K. E., Arıkan O. A.

6th EurAsia Waste Management Symposium, İstanbul, Turkey, 24 - 26 October 2022, pp.583-590

VII. Cost Benefits of Zero Waste Approach: Packaging Waste Management in İTÜ Ayazağa Campus

Maçın K. E., Özçelik K., Arıkan O. A.

6th EurAsia Waste Management Symposium, İstanbul, Turkey, 24 - 26 October 2022, pp.169-174

Other Publications

I. EXAMINING THE LIFE CYCLE ANALYSIS OF ELECTRIC VEHICLE BATTERIES: A REVIEW

Övez S. S., Özçelik K., Maçın K. E., Güven H., Üçtuğ F. G., Arıkan O. A.

Other, pp.46, 2023

Supported Projects

Arıkan O. A., Özçelik K., Akca M. S., Maçın K. E., Ceylan Perver G., Sertgümeç S., Çetinkaya A. T., Altınbaş M., Güven H.,

Project Supported by Higher Education Institutions, Deprem Atıklarının Yönetimi, 2023 - Continues

Güven H., Canberk B., Erşahin M. E., Demirel M. C., Ekmekcioğlu Ö., Özgün Erşahin H., Cengiz A. İ., Özçelik K., IŞIK O.,

Hamidi M. N., et al., Project Supported by Higher Education Institutions, Yağmursuyu ve Gri Suyun Geri Kazanımında

Denetimli Öğrenme Temelli Yapay Sinir Ağları Destekli Yönetim Sistemi Geliştirilmesi, 2022 - Continues

Metrics

Publication: 10

Citation (Scopus): 4

H-Index (Scopus): 1