Asst. Prof. ZÖHRE KURT

Personal Information

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International Researcher IDs
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Publons / Web Of Science ResearcherID: ABA-1832-2020
ScopusID: 34872518100
Yoksis Researcher ID: 272698

Education Information

Doctorate, Georgia Institute of Technology, Environmental Engineering, United States Of America 2007 - 2012
Undergraduate Double Major, Middle East Technical University, Faculty of Engineering, Department of Environmental Engineering, Turkey 2001 - 2007

Foreign Languages

German, C2 Mastery
Spanish, B1 Intermediate
English, C2 Mastery
Bulgarian, C1 Advanced

Dissertations

Doctorate, Biodegradation of chlorinated compounds at interfaces and biodegradation of 4-nitroaniline, Middle East Technical University, engineering, civil and environmental engineering, 2012

Research Areas

Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Middle East Technical University, Faculty of Engineering, Department of Environmental Engineering, 2017 - Continues
Other, Middle East Technical University, Faculty of Engineering, Department of Environmental Engineering, 2007 - 2008

Academic and Administrative Experience

Deputy Head of Department, Middle East Technical University, Faculty of Engineering, Department of Environmental Engineering, 2018 - 2019

Courses

Introduction to Environmental Toxicology, Undergraduate, 2021 - 2022
Water Supply and Urban Drainage, Undergraduate, 2021 - 2022
Environmental Biotechnology, Postgraduate, 2018 - 2019

Advising Theses

Kurt Z., Comparative life cycle assessment of uranium recovery from brine, Postgraduate, M.BENAN(Student), 2022
Kurt Z., The effect of biofilm formation on the settling velocity of microplastics in freshwater and seawater, Postgraduate, B.EVREN(Student), 2022
Kurt Z., THE BIODEGRADATION PATHWAY OF CYPERMETHRIN, Postgraduate, M.KOKANGÜL(Student), 2022
Kurt Z., TRANSPORTATION AND RECYCLING EFFECTS ON THE HOUSEHOLD TEXTILE WASTE OF ESKISEHIR USING LCA, Postgraduate, İ.SİPAHİ(Student), 2021
Kurt Z., Baker D. K., Opportunities And Barriers For The Application Of Solar Heat For Industrial Processes Technologies To Turkish Industrial Parks, Postgraduate, S.DENİZ(Student), 2021
YILMAZ K. K., KURT Z., Modeling the effects of irrigation by contaminated groundwater, Postgraduate, Y.GÜRAY(Student), 2018
Kurt Z., Control systems for cooperative inspections, Postgraduate, C.Carbone(Student), 2018

Jury Memberships

Post Graduate, Post Graduate, Orta Doğu Teknik Üniversitesi, September, 2020
Post Graduate, Post Graduate, Orta Doğu Teknik Üniversitesi, September, 2019
Doctoral Examination, Doctoral Examination, Orta Doğu Teknik Üniversitesi, April, 2019

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Novel catabolic pathway for 4-Nitroaniline in a Rhodococcus sp. strain JS360**
Kurt Z., Qu Y., Spain J. C.
Journal of Hazardous Materials, vol.454, 2023 (SCI-Expanded)

II. **Production and Characterization of Wild Sugarcane (Saccharum spontaneum L.) Biochar for Atrazine Adsorption in Aqueous Media**
Prens J., KURT Z., James Rivas A. M., Chen J.
Agronomy, vol.13, no.1, 2023 (SCI-Expanded)

III. **Effectiveness of microplastics removal in wastewater treatment plants: A critical analysis of wastewater treatment processes**
Kurt Z., Özdemir I., James A.
Journal of Environmental Chemical Engineering, vol.10, no.3, 2022 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

I. **Estimating the Adsorption Capacity of Mining Waste –Leonardite- for Treatment of Copper**
Kurt Z.

Eurasia Waste Management Symposium, 26 - 28 October 2020, pp.206-211

II. **STUDY TO DETERMINE WELL WATER QUALITY, BY MEANS OF PHYSICAL, CHEMICAL, AND MICROBIOLOGICAL PARAMETERS IN THE COMMUNITY OF MIRAMAR, PROVINCE OF COLÓN, REPUBLIC OF PANAMA**
Kurt Z., Silvera T., Coatney J. M., Grey A.
ISPEC 9th INTERNATIONAL CONFERENCE ON ENGINEERING & NATURAL SCIENCES, 13 - 15 November 2020, pp.329-335

III. **Estimation the adsorption capacity of mining waste -Leonarite- for treatment**
Kurt Z.
Eurasian Waste Management Symposium, İstanbul, Turkey, 26 - 28 October 2020, pp.206-211

IV. **Occurrence of micropollutants in the industrial wastewaters discharged to Yeşilırmak and Nilüfer Rivers in Turkey**
Küçük E., ERGÜVEN G. Ö., Canlı O., PİLEVNELİ T., Aydın E., Oktem O., ASLAN S., KURT Z., ÜNLÜ K., DİLEK F. B., et al.
5th International Congress on Water, Waste and Energy Management (WWEM - 19), Paris, France, 22 - 24 July 2019, vol.1, pp.90

V. **Diverse Microbes: From Micropollutants to Allelopathic Relations**
KURT Z.
17TH APANAC, 24 - 26 October 2018

VI. **Challenges and innovations for sustainable access to good quality drinking water**
goodridge a., KURT Z., nelson k., smith c.
CILAC CONFERENCE, UNESCO, PANAMA CITY, Panama, 22 - 24 October 2018

VII. **Noktasal Kaynakların Yeşilırmak Havzası Alıcı Ortam Kalitesine Etkilerinin Belirlenmesi**
KÜÇÜK E., PİLEVNELİ T., ASLAN S., ERGÜVEN G. Ö., OLGUN E. Ö., CANLI o., KURT Z., ÇELİK MADENLİ E., ÜNLÜ K., DİLEK F. B., et al.
1. Uluslararası İçmesuyu ve Atıksu Sempozyumu, 6 - 07 December 2018

VIII. **Sustainable remediation of nitrate contamination in the agricultural fields**
KURT Z., hatipoglu g.
International Eurasian Conference on Science, Ankara, Turkey, 22 - 23 November 2018

IX. **Swarm robotics as a solution to crops inspection for precision agriculture**
KURT Z., Carbone C., Garibaldi O.
Sixth Engineering, Science and Technology Conference "Tendencies and Challenges in Engineering, Science and Technology, 11 - 13 October 2017

X. **Effects of fluvial contaminations on the ocean**
KURT Z.
Mes de Oceanos 2017, 1 - 29 September 2017

XI. **Biocatalyst for 2,4-Dinitroanisole Biodegradation and Detection**
KURT Z., spain j., Pandey G., Hofstetter T., Bolotin J., Karthikeyan S.
Fourth international symposium on bioremediation and sustainable environmental technologies, 22 - 25 May 2017

XII. **Solutions to agricultural contamination: Microbial processes**
KURT Z., Donado C.
APANAC 16th Science and Technology Conference, 19 - 22 October 2016

XIII. **Enzyme kinetics of flavin-dependent monooxygenases modulate the observable isotope fractionation during monooxidation of 4-nitrophenol**
Wijker R. S., Kurt Z., Spain J. C., Bolotin J., Hofstetter T. B.
242nd National Meeting of the American-Chemical-Society (ACS), Colorado, United States Of America, 28 August - 01 September 2011, vol.242

XIV. **The online survey: An efficient and effective means of engineering graduate student assessment**
Padhye L., Goktas R., Kurt Z.
2009 ASEE Annual Conference and Exposition, Austin, TX, United States Of America, 14 - 17 June 2009

Activities in Scientific Journals

frontiers in bioengineering and biotechnology, Publication Committee Member, 2018 - Continues

Scientific Refereeing

SCIENCE OF THE TOTAL ENVIRONMENT, SCI Journal, December 2020
SCIENCE OF THE TOTAL ENVIRONMENT, SCI Journal, November 2020
Science Of The Total Environment, SCI Journal, November 2020
SCIENCE OF THE TOTAL ENVIRONMENT, SCI Journal, October 2020
WATER SCIENCE AND TECHNOLOGY, SCI Journal, August 2020
WATER SCIENCE AND TECHNOLOGY, SCI Journal, May 2020

Tasks In Event Organizations

Baker D. K., Erden Topal Y., Akata Kurç B., Kurt Z., ODAK 2023 Kick-Off Event- Sunrise for Concentrating Solar Thermal in Turkey, Workshop Organization, Ankara, Turkey, Şubat 2020

Metrics

Publication: 37
Citation (WoS): 201
Citation (Scopus): 212
H-Index (WoS): 8
H-Index (Scopus): 8

Congress and Symposium Activities

Remediation Technologies 2020, Working Group, Colorado, United States Of America, 2020
EURASIA WASTE MANAGEMENT SYMPOSIUM, Attendee, İstanbul, Turkey, 2020

Invited Talks

Sustainable use of groundwater to prevent agricultural contamination, Conference, Universidad de Panamá, Panama, September 2019
Expo Biochemistry, Conference, Universidad de Panamá, Panama, September 2019
Sustainable remediation of atrazine and cypermethrin contamination in the agricultural fields, Conference, INTERNATIONAL WATER ASSOCIATION, Greece, June 2019

Awards

Kurt Z., Mustafa Parlar Foundation Research Incentive Award, Parlar Foundation, December 2020
Baker D. K., Erden Topal Y., Erdil E., Tarı İ., Kurt Z., Azgın K., Building an Open Science COmmunity around Concentrating Solar Thermal Research Infrastructures at EU-SOLARIS, Tubitak, July 2020
Kurt Z., Young scientist award, Science Academy Bagep, May 2020
Kurt Z., Juvenile Science fair, Senacyt, October 2019

Kurt Z., L'Oréal-UNESCO Women in Science, Loreal Unesco, September 2019