

## Lect. PhD Hüseyin Özdemir

### Personal Information

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### Education Information

Doctorate, Marmara University, Institute For Graduate Studies In Pure And Applied Sciences, Department Of Environmental Engineering (Eng), Turkey 2007 - 2013

Postgraduate, Istanbul University, Institute Of Graduate Studies In Sciences, Mühendislik Fakültesi Bölümü, Turkey 2003 - 2006

Undergraduate, Marmara University, Faculty Of Engineering, Environmental Engineering, Turkey 1998 - 2002

### Dissertations

Doctorate, Investigation of the impact of urbanization on climate and air quality: A case study over Turkey, Marmara University, Institute For Graduate Studies In Pure And Applied Sciences, Department Of Environmental Engineering (Eng), 2013

Postgraduate, İstanbul atmosferindeki troposferik ozon konsantrasyonunun yapay sınır ağ teknikleri ile modellenmesi, Istanbul University, Institute Of Graduate Studies In Sciences, Mühendislik Fakültesi Bölümü, 2006

### Academic Titles / Tasks

Assistant Professor, Bahcesehir University, Faculty Of Engineering, Department Of Environmental Engineering, 2013 - 2016

Lecturer PhD, Bahcesehir University, Faculty Of Engineering, Department Of Environmental Engineering, 2010 - 2013

Research Assistant, Bahcesehir University, Faculty Of Engineering, Department Of Environmental Engineering, 2007 - 2010

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

- I. **Impact of heating season on the soil pollution in Kırklareli province of Turkey**  
Turhan S. B. , Oruc I., Ozdemir H.  
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.193, no.4, 2021 (Journal Indexed in SCI)
- II. **Seasonal variation of carbonaceous PM2.5 in an Istanbul traffic site**  
FLORES RANGEL R. M. , Ozdemir H., AKKOYUNLU B. O. , Ünal A., TAYANÇ M.  
ATMOSPHERIC POLLUTION RESEARCH, vol.11, no.12, pp.2110-2118, 2020 (Journal Indexed in SCI)
- III. **Mitigation impact of roadside trees on fine particle pollution**  
Ozdemir H.  
SCIENCE OF THE TOTAL ENVIRONMENT, vol.659, pp.1176-1185, 2019 (Journal Indexed in SCI)
- IV. **Statistical evaluation and predicting the possible sources of particulate matter in a Mediterranean metropolitan city**  
Summak G., Ozdemir H., Oruc I., Kuzu L., Saral A., Demir G.  
GLOBAL NEST JOURNAL, vol.20, no.2, pp.173-180, 2018 (Journal Indexed in SCI)

- V. **Spatial and temporal analysis of black carbon aerosols in Istanbul megacity**  
Ozdemir H., Pozzoli L., Kindap T., Demir G., Mertoglu B., Mihalopoulos N., Theodosi C., Kanakidou M., Im U., Ünal A.  
SCIENCE OF THE TOTAL ENVIRONMENT, vol.473, pp.451-458, 2014 (Journal Indexed in SCI)
- VI. **Case study of PM pollution in playgrounds in Istanbul**  
Ozdemir H., Mertoglu B., Demir G., DENİZ A., Toros H.  
THEORETICAL AND APPLIED CLIMATOLOGY, vol.108, no.3-4, pp.553-562, 2012 (Journal Indexed in SCI)
- VII. **Quantification of the urban heat island under a changing climate over Anatolian Peninsula**  
Ozdemir H., UNAL A., Kindap T., TURUNCOGLU U. U. , DURMUSOGLU Z. O. , KHAN M., Tayanc M., KARACA M.  
THEORETICAL AND APPLIED CLIMATOLOGY, vol.108, no.1-2, pp.31-38, 2012 (Journal Indexed in SCI)
- VIII. **FEATURE SELECTION FOR THE PREDICTION OF TROPOSPHERIC OZONE CONCENTRATION USING A WRAPPER METHOD**  
Sakar C. O. , Demir G., Kursun O., Ozdemir H., Altay G., Yalcin S.  
INTELLIGENT AUTOMATION AND SOFT COMPUTING, vol.17, no.4, pp.403-413, 2011 (Journal Indexed in SCI)
- IX. **Prediction of Tropospheric Ozone Concentration by Employing Artificial Neural Networks**  
Ozdemir H., Demir G., Altay G., Albayrak S., Bayat C.  
ENVIRONMENTAL ENGINEERING SCIENCE, vol.25, no.9, pp.1249-1254, 2008 (Journal Indexed in SCI)

### Articles Published in Other Journals

- I. **NOKTASAL KAYNAKLAR İÇİN ULUSAL HAVA KİRLİLİĞİ EMİSYON FAKTÖRLERİ VE ENVANTERİNİN BELİRLENMESİ: METAL SEKTÖRÜ İÇİN ÖRNEK BİR ÇALIŞMA**  
ÖZDEMİR H., AKTAŞ M. A. , Yalçın İ. E. , ALYÜZ ÖZDEMİR Ü. , ÖKTEN H. E. , ÖZCAN H. K. , Köksal C. E. , ÇETİNTÜRK GÜLTEPE İ., DEMİR G., ÜNAL A.  
International Journal of Advances in Engineering and Pure Sciences, vol.33, no.3, pp.337-346, 2021 (Other Refereed National Journals)
- II. **Yol Kenarlarındaki Ağaçların Trafik Kaynaklı Karbon Aerosollerini Üzerindeki Etkisi**  
AKTAŞ M. A. , ÖZDEMİR H., ÇEKER A. O. , ÖZCAN H. K. , DEMİR G.  
European Journal of Science and Technology, no.27, pp.479-488, 2021 (Other Refereed National Journals)
- III. **Seçilmiş Bir Termik Santralde ESF Uygulamaları ve Verim Artırıcı Yöntemlerin İncelenmesi**  
Kurt B., ÖZDEMİR H., DEMİR G.  
International Journal of Advances in Engineering and Pure Sciences, vol.33, no.3, pp.398-405, 2021 (Other Refereed National Journals)
- IV. **Deposition of heavy metals on coniferous tree leaves and soils near heavy urban traffic**  
TURAN Ö., ÖZDEMİR H., DEMİR G.  
Frontiers in Life Sciences and Related Technologies, vol.1, no.1, pp.35-41, 2020 (Refereed Journals of Other Institutions)

### Refereed Congress / Symposium Publications in Proceedings

- I. **Black Carbon Evaluation in an Urban Side of Istanbul Atmosphere During Spring and Summer Seasons**  
KUZU S. L. , YAVUZ E., AKYÜZ E., SARAL A., AKKOYUNLU B. O. , ÖZDEMİR H.  
18th World Clean Air Congress 2019, İstanbul, Turkey, 23 - 27 September 2019, pp.483-490
- II. **PM2.5 Analysis and the Determination of PAH Constituents at a Densely Populated Area of Istanbul**  
FLORES RANGEL R. M. , ÖZDEMİR H., AKKOYUNLU B. O. , DEMİR G., ÜNAL A., TAYANÇ M.  
10th Better Air Quality Conference 2018, Malaysia, 14 - 16 November 2018
- III. **Characterization of Semi-Volatile Organic Compounds in Fine Atmospheric Particles**  
MERTOĞLU KAMALI E., FLORES RANGEL R. M. , Pursa A., ÖZDEMİR H., AKKOYUNLU B. O. , DEMİR G., ÜNAL A., TAYANÇ M.

3rd International Mediterranean Science and Engineering Congress, Turkey, 24 - 26 October 2018

- IV. **Evaluation of a thermal desorption method for complete characterization of semi-volatile organic compounds in atmospheric aerosols**  
Gök A., FLORES RANGEL R. M. , ÖZDEMİR H., AKKOYUNLU B. O. , DEMİR G., ÜNAL A., TAYANÇ M.  
8th Atmospheric Science Symposium, Istanbul Technical University, İstanbul, Turkey, 1 - 04 November 2017, pp.158-171
- V. **Semi-volatile Organic Aerosol Composition in High-Time Resolved Ambient Air PM2.5 Samples: Preliminary Results**  
Gök A., FLORES RANGEL R. M. , ÖZDEMİR H., AKKOYUNLU B. O. , DEMİR G., TAYANÇ M.  
2nd International Conference on Civil and Environmental Engineering, Nevşehir, Turkey, 8 - 10 May 2017
- VI. **Heavy metal concentrations of selected public parks of Istanbul City**  
DEMİR G., ÖZCAN H. K. , ÖZDEMİR H., Pektaş A. O. , ORUÇ İ., Büyükyıldız M.  
ICCMP, 2nd International Conference on Chemical Materials and Process, Denmark, 11 - 13 March 2016
- VII. **Developing Air Pollution Early Warning System for the Marmara Region in Turkey**  
ÖZDEMİR H., DEMİR G., Karahan Y.  
2015 6th International Conference on Environmental Science and Technology, Amsterdam, Netherlands, 14 - 16 February 2015
- VIII. **Online Detection and Analysis System for Air Pollution Hot Spots in Turkey**  
Özkan E., ÖZDEMİR H., ŞAKAR C. O. , DEMİR G., ÜNAL A., KINDAP T.  
2nd International Conference on Biotechnology and Environment Management. IPCBEE, Singapore, 5 - 06 May 2012
- IX. **Partiküler Maddeler ve İklim Değişikliği Üzerine Etkilerinin Değerlendirilmesi. 2. Türkiye İklim Değişikliği Kongresi**  
Yiğit S., ÖZDEMİR H., ÇOBAN A., DEMİR G., Borucu G., Ak N.  
Partiküler Maddeler ve İklim Değişikliği Üzerine Etkilerinin Değerlendirilmesi. 2. Türkiye İklim Değişikliği Kongresi, İstanbul, Turkey, 16 - 18 June 2010
- X. **Impacts of Istanbul emissions on regional air quality: Quantification using model-3 framework and trajectory analysis.**  
ÖZDEMİR H., İm U., Kostandinos M., AĞAÇAYAK T., ÜNAL A., KINDAP T., Khan M.  
8th annual CMAS Conference, New York, United States Of America, 19 - 21 October 2009
- XI. **HAVA KİRLİLİĞİ MODELLENMESİNDE YAPAY SİNİR AĞLARI KULLANIMININ DEĞERLENDİRİLMESİ**  
ÖZDEMİR H., DEMİR G.  
Çevre Sorunları Sempozyumu, Kocaeli, Turkey, 14 - 17 May 2008

## Supported Projects

Özdemir H., EU Supported Other Project, Technical Assistance for Improving Air Quality and Raising Public Awareness in Cities in Turkey - CITYAIR (in line with CAFE Directive), 2018 - 2021

## Citations

Total Citations (WOS):92

h-index (WOS):5