

Assoc. Prof. Emrah Tuncay Özdemir

Personal Information

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Education Information

Post Doctorate, University of Newcastle Upon Tyne, Civil, Environmental, and Surveying Engineering , Discipline of Civil, Environmental, and Surveying Engineering , United Kingdom 2018 - 2019

Doctorate, Istanbul Technical University, Uçak Ve Uzay Bilimleri, Meteoroloji Mühendisliği, Turkey 2012 - 2016

Undergraduate, Istanbul Technical University, Fen-Edebiyat, Fizik Mühendisliği, Turkey 1988 - 1993

Foreign Languages

English, C2 Mastery

Dissertations

Doctorate, Storms and Meteorological Parameters Affecting the Aviation, Istanbul Technical University, Uçak Ve Uzay Bilimleri, Meteoroloji Mühendisliği, 2016

Academic Titles / Tasks

Associate Professor, Istanbul Technical University, Uçak Ve Uzay Bilimleri, Meteoroloji Mühendisliği, 2022 - Continues

Courses

Atmospheric Dynamics II, Undergraduate, 2021 - 2022

Aeronautical Meteorology, Undergraduate, 2021 - 2022

Aeronautical Meteorology, Undergraduate, 2021 - 2022

Meteorology, Undergraduate, 2021 - 2022

Meteorology, Undergraduate, 2020 - 2021

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

- I. **Analysing of atmospheric conditions and their effects on air quality in Istanbul using SODAR and CEILOMETER**
Yavuz V., Ozen C., Capraz O., Ozdemir E. T. , Deniz A., Akbayır İ., Temur H.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.29, no.11, pp.16213-16232, 2022 (Journal Indexed in SCI)
- II. **A Case Study of a Multicell Severe Convective Storm in Ankara, Turkey**
Ozdemir E. T.

PURE AND APPLIED GEOPHYSICS, vol.178, no.10, pp.4107-4126, 2021 (Journal Indexed in SCI)

- III. **Analysis of a vortex causing sea-effect snowfall in the western part of the Black Sea: a case study of events that occurred on 30-31 January 2012**
Yavuz V., Deniz A., Ozdemir E. T.
NATURAL HAZARDS, vol.108, no.1, pp.819-846, 2021 (Journal Indexed in SCI)
- IV. **Classification and analysis of sea-effect snowbands for Danube Sea area in Black Sea**
Yavuz V., Deniz A., Ozdemir E. T., Kolay O., Karan H.
INTERNATIONAL JOURNAL OF CLIMATOLOGY, vol.41, no.5, pp.3139-3152, 2021 (Journal Indexed in SCI)
- V. **Nowcasting of a thunderstorm: The case study of 2 February, 2015 at Istanbul Ataturk International Airport**
Yavuz V., Özdemir E. T., Deniz A.
MAUSAM, vol.71, no.1, pp.21-32, 2020 (Journal Indexed in SCI)
- VI. **Meteorological analysis of a fatal Istanbul helicopter accident on March 10, 2017**
Ozdemir E. T., Kolay O.
INTERNATIONAL JOURNAL OF GLOBAL WARMING, vol.20, no.4, pp.341-352, 2020 (Journal Indexed in SCI)
- VII. **Squall line over Antalya: a case study of the events of 25 October 2014**
Özdemir E. T., Yavuz V., Deniz A., Karan H., Kartal M., Kent S.
WEATHER, vol.74, 2019 (Journal Indexed in SCI)
- VIII. **Investigations of a Southerly Non-Convective High Wind Event in Turkey and Effects on PM10 Values: A Case Study on April 18, 2012**
Ozdemir E. T.
PURE AND APPLIED GEOPHYSICS, vol.176, no.10, pp.4599-4622, 2019 (Journal Indexed in SCI)
- IX. **The influence of meteorological conditions and atmospheric circulation types on PM10 levels in western Turkey**
Baltaci H., AKKOYUNLU B. O., Arslan H., Yetemen Ö., Ozdemir E. T.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.191, no.7, 2019 (Journal Indexed in SCI)
- X. **Synoptic analysis of dust storm over Arabian Peninsula: a case study on February 28, 2009**
Ozdemir E. T., Korkmaz F. M., Yavuz V.
NATURAL HAZARDS, vol.92, no.2, pp.805-827, 2018 (Journal Indexed in SCI)
- XI. **INVESTIGATION OF THE FOG-AIR QUALITY RELATIONSHIP IN ISTANBUL**
Ozdemir E. T., Deniz A., Yavuz V., Doğan N., Akbayır İ.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.27, no.1, pp.30-36, 2018 (Journal Indexed in SCI)
- XII. **INVESTIGATION OF THUNDERSTORMS OVER ATATURK INTERNATIONAL AIRPORT (LTBA), ISTANBUL**
Ozdemir E. T., Deniz A., Sezen I., ASLAN Z., Yavuz V.
MAUSAM, vol.68, no.1, pp.175-180, 2017 (Journal Indexed in SCI)
- XIII. **Fog analysis at Istanbul Ataturk International Airport**
Ozdemir E. T., DENİZ A., SEZEN I., Menteş Ş. S., YAVUZ V.
WEATHER, vol.71, no.11, pp.279-284, 2016 (Journal Indexed in SCI)
- XIV. **Severe thunderstorm over Esenboa International Airport in Turkey on 15 July 2013**
Ozdemir E. T., Deniz A.
WEATHER, vol.71, no.7, pp.157-161, 2016 (Journal Indexed in SCI)
- XV. **Investigations of storms in the region of Marmara in Turkey**
Deniz A., Ozdemir E. T., Sezen I., Coskun M.
THEORETICAL AND APPLIED CLIMATOLOGY, vol.112, no.1-2, pp.61-71, 2013 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **72HR FORECAST OF WIND POWER IN MANISA, TURKEY BY USING THE WRF MODEL COUPLED TO WINDSIM**
Efe B., Unal E., Mentes S., Ozdemir T., Ünal Y., Barutcu B., Tan E., Önel B., Topcu S.

1st International Conference on Renewable Energy Research and Applications (ICRERA), Nagasaki, Japan, 11 - 14
November 2012

Citations

Total Citations (WOS):61

h-index (WOS):5