

Prof. Ali Deniz

Personal Information

Email: denizali@itu.edu.tr

Education Information

Doctorate, Istanbul Technical University, Uçak Ve Uzay Bilimleri Fakültesi, Turkey 1992 - 1999

Postgraduate, Istanbul Technical University, Uçak Ve Uzay Bilimleri Fakültesi, Turkey 1989 - 1992

Undergraduate, Istanbul Technical University, Uçak Ve Uzay Bilimleri Fakültesi, Turkey 1984 - 1992

Foreign Languages

English

Dissertations

Doctorate, Türkiye'yi etkileyen sinoptik sistemlerin klimotolojisi, İstanbul Teknik Üniversitesi, Uçak Ve Uzay Bilimleri Fakültesi, 1997

Postgraduate, Air mass analysis according to the tropopause levels on İstanbul, İstanbul Teknik Üniversitesi, Uçak Ve Uzay Bilimleri Fakültesi, 1991

Research Areas

Technical Sciences, Atmospheric Sciences and Meteorological Engineering, Meteorological Disasters

Academic Titles / Tasks

Professor, Istanbul Technical University, Uçak Ve Uzay Bilimleri, Meteoroloji Mühendisliği, 2013 - Continues

Associate Professor, Istanbul Technical University, Uçak Ve Uzay Bilimleri, Meteoroloji Mühendisliği, 2013 - Continues

Courses

Havacılık Meteorolojisi, Undergraduate, 2016 - 2017

Atmosfer Dinamiği II, Undergraduate, 2016 - 2017

Linear Algebra, Undergraduate, 2015 - 2016

Numerical Methods, Undergraduate, 2015 - 2016

Lineer cebir, Undergraduate, 2014 - 2015

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

1. 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. **Assessment of hospitalizations from asthma, chronic obstructive pulmonary disease and acute bronchitis in relation to air pollution in Istanbul, Turkey**
Capraz O., Deniz A.
SUSTAINABLE CITIES AND SOCIETY, vol.72, 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. **Extreme temperatures linked to the atmospheric blocking events in Turkey between 1977 and 2016**
Efe B., Lupo A. R. , Deniz A.
NATURAL HAZARDS, vol.104, no.2, pp.1879-1898, 2020 (Journal Indexed in SCI)
- VI. **Particulate matter (PM(10)and PM2.5) concentrations during a Saharan dust episode in Istanbul**
Capraz O., Deniz A.
AIR QUALITY ATMOSPHERE AND HEALTH, 2020 (Journal Indexed in SCI)
- VII. **The relationship between atmospheric blocking and temperature anomalies in Turkey between 1977 and 2016**
Efe B., Sezen I., Lupo A. R. , Deniz A.
INTERNATIONAL JOURNAL OF CLIMATOLOGY, vol.40, no.2, pp.1022-1037, 2020 (Journal Indexed in SCI)
- VIII. **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)
- IX. **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)
- X. **The relationship between atmospheric blocking and precipitation changes in Turkey between 1977 and 2016**
Efe B., Lupo A. R. , Deniz A.
THEORETICAL AND APPLIED CLIMATOLOGY, vol.138, pp.1573-1590, 2019 (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. **Effects of air pollution on respiratory hospital admissions in Istanbul, Turkey, 2013 to 2015**
Capraz O., Deniz A., Doğan N.
CHEMOSPHERE, vol.181, pp.544-550, 2017 (Journal Indexed in SCI)
- XIII. **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)
- XIV. **Fog analysis at Istanbul Ataturk International Airport**
Ozdemir E. T. , DENIZ A., SEZEN I., Menteş Ş. S. , YAVUZ V.
WEATHER, vol.71, no.11, pp.279-284, 2016 (Journal Indexed in SCI)
- XV. **The Mt Etna SO2 eruption in December 2015-the view from space**
Athanasiadou M.
WEATHER, vol.71, no.11, pp.273-279, 2016 (Journal Indexed in SCI)

- XVI. **Severe thunderstorm over Esenboğa International Airport in Turkey on 15 July 2013**
 Özdemir E. T. , Deniz A.
 WEATHER, vol.71, no.7, pp.157-161, 2016 (Journal Indexed in SCI)
- XVII. **Study on the association between air pollution and mortality in Istanbul, 2007-2012**
 Capraz O., Efe B., DENİZ A.
 ATMOSPHERIC POLLUTION RESEARCH, vol.7, no.1, pp.147-154, 2016 (Journal Indexed in SCI)
- XVIII. **ANALYSIS OF OZONE AND ITS PRECURSORS AT AN URBANIZED AND INDUSTRIALIZED CREEK VALLEY GOLDEN HORN ISTANBUL TURKEY**
 Deniz A., melike ç., İNCECİK S., TOROS H.
 FRESenius ENVIRONMENTAL BULLETIN, vol.0, 2013 (Journal Indexed in SCI Expanded)
- XIX. **ANALYSIS OF OZONE AND ITS PRECURSORS AT AN URBANIZED AND INDUSTRIALIZED CREEK VALLEY (GOLDEN HORN, ISTANBUL, TURKEY)**
 Deniz A., Celebi H. M. , Incecik S., Toros H.
 FRESenius ENVIRONMENTAL BULLETIN, vol.22, no.9, pp.2524-2532, 2013 (Journal Indexed in SCI)
- XX. **Investigations of storms in the region of Marmara in Turkey**
 Deniz A., özdemir t., sezen i., COŞKUN M.
 THEORETICAL AND APPLIED CLIMATOLOGY, vol.0, 2012 (Journal Indexed in SCI Expanded)
- XXI. **Case study of PM pollution in playgrounds in Istanbul**
 Özdemir 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)
- XXII. **Temporal and spatial patterns of precipitation variability for annual, wet, and dry seasons in Turkey**
 Ünal Y., DENİZ A., TOROS H., İNCECİK S.
 INTERNATIONAL JOURNAL OF CLIMATOLOGY, vol.32, no.3, pp.392-405, 2012 (Journal Indexed in SCI)
- XXIII. **Influence of meteorological factors and emission sources on spatial and temporal variations of PM10 concentrations in Istanbul metropolitan area**
 Ünal Y., TOROS H., DENİZ A., İNCECİK S.
 ATMOSPHERIC ENVIRONMENT, vol.45, no.31, pp.5504-5513, 2011 (Journal Indexed in SCI)
- XXIV. **AN EXAMINATION OF THE TOURISM CLIMATE INDEX IN TURKEY**
 Deniz A.
 FRESenius ENVIRONMENTAL BULLETIN, vol.0, 2011 (Journal Indexed in SCI Expanded)
- XXV. **Spatial variations of climate indices in Turkey**
 Deniz A., Toros H., İNCECİK S.
 INTERNATIONAL JOURNAL OF CLIMATOLOGY, vol.31, no.3, pp.394-403, 2011 (Journal Indexed in SCI)
- XXVI. **Spatial variability of chilling temperature in Turkey and its effect on human comfort**
 Toros H., DENİZ A., SAYLAN L., Sen O., BALOĞLU M.
 METEOROLOGY AND ATMOSPHERIC PHYSICS, vol.88, pp.107-118, 2005 (Journal Indexed in SCI)
- XXVII. **Cyclone track variability over Turkey in association with regional climate**
 KARACA M., Deniz A., TAYANÇ M.
 INTERNATIONAL JOURNAL OF CLIMATOLOGY, vol.0, 2000 (Journal Indexed in SCI Expanded)

Articles Published in Other Journals

- I. **Wind power generation forecast by coupling numerical weather prediction model and gradient boosting machines in Yahyali wind power plant**
 Ozen C., Dinc U., Deniz A., Karan H.
 WIND ENGINEERING, 2020 (Journal Indexed in ESCI)
- II. **Power Curve Verification of Wind Turbines by Using the Nacelle Mounted Anemometer**
 Yavuz V., Deniz A.
 Journal of Research in Atmospheric Science, vol.1, no.1, pp.38-41, 2019 (Other Refereed National Journals)
- III. **Türkiye'deki Havalimanlarında Meydana Gelen Sis Hadisesinin Zamansal Analizi**

AKBAYIR İ., YAVUZ V., DENİZ A., ÖZDEMİR E. T.

El-Cezeri Fen ve Mühendislik Dergisi, vol.5, no.2, pp.327-330, 2018 (Other Refereed National Journals)

- IV. **Temporal Analysis of Fog Incident at Airports in Turkey**
Akbayır I., Yavuz V., Deniz A.
El-Cezeri Journal of Science and Engineering, vol.5, no.2, pp.327-330, 2018 (Other Refereed National Journals)
- V. **The Method for Forecasting Relative Humidity with Height**
Yavuz V., Akbayır I., Deniz A.
IJESC, vol.7, no.12, pp.15827-15828, 2017 (Refereed Journals of Other Institutions)
- VI. **Analysis of Hail Incident for Two Different Provinces in Turkey: A Case Study Using Synoptic Analysis and Numerical Weather Prediction Model (WRF)**
YAVUZ V., AKBAYIR İ., Özen C., DENİZ A.
International Journal of Engineering Science and Computing, vol.7, no.12, pp.15822-15826, 2017 (Refereed Journals of Other Institutions)
- VII. **The Method for Forecasting Relative Humidity with Height**
YAVUZ V., AKBAYIR İ., Özen C., DENİZ A.
International Journal of Engineering Science and Computing, vol.7, no.12, pp.15827, 2017 (Refereed Journals of Other Institutions)
- VIII. **Analysis of Hail Incident for Two Different Provinces in Turkey: A Case Study Using Synoptic Analysis and Numerical Weather Prediction Model (WRF)**
Yavuz V., Akbayır I., Deniz A.
IJESC, vol.7, no.12, pp.15822-15826, 2017 (Refereed Journals of Other Institutions)
- IX. **Monthly and Seasonal Trend Analysis of Maximum Temperatures over Turkey**
ÖZGÜR E., AKBAYIR İ., DENİZ A.
International Journal of Engineering Science and Computing, vol.7, no.11, pp.15537-15541, 2017 (Refereed Journals of Other Institutions)
- X. **Evaluation of Air Quality in Terms of Health on a Regional Basis in Istanbul**
Akbayır I., Yavuz V., Deniz A.
IJESC, vol.6, no.11, pp.3308-3311, 2016 (Refereed Journals of Other Institutions)
- XI. **Evaluation of Air Quality in Terms of Health on a Regional Basis in Istanbul**
AKBAYIR İ., YAVUZ V., DENİZ A.
international journal of engineering science and computing, vol.6, no.11, 2016 (Refereed Journals of Other Institutions)
- XII. **investigation of wind characteristics for bergama in terms of wind energy**
YAVUZ V., DENİZ A., çavuş p. c., DOĞAN N., AKBAYIR İ.
international journal of innovative research in science, engineering and technology, 2016 (Refereed Journals of Other Institutions)
- XIII. **Investigation of Wind Characteristics for Bergama in Terms of Wind Energy**
Yavuz V., Deniz A., Çiftci N., Akbayır I.
IJIRSET, vol.5, no.12, pp.129-137, 2016 (Refereed Journals of Other Institutions)
- XIV. **Comparison of three stations PM10 Data for Istanbul Turkey**
çavuş p. c., DENİZ A., DOĞAN N., AKBAYIR İ., YAVUZ V.
international journal of innovative research in science, engineering and technology, vol.5, no.12, 2016 (Refereed Journals of Other Institutions)
- XV. **Comparison of Three Stations' PM10 Data for Istanbul, Turkey**
Deniz A., Çiftci N., Akbayır I., Yavuz V.
IJIRSET, vol.5, no.12, pp.138-150, 2016 (Refereed Journals of Other Institutions)
- XVI. **Investigation of Accident Incident In-Flight Reports for The European Region**
Yavuz V., Deniz A.
Avrupa Bilim ve Teknoloji Dergisi, vol.2, no.5, pp.155-160, 2015 (Other Refereed National Journals)

Supported Projects

Deniz A., Project Supported by Higher Education Institutions, İstanbulda Atmosfer Şartlarının DopplerSodar ve LidarCeilometer Cihazlarıyla Tespiti ve Hava Kalitesine Etkilerinin Araştırılması, 2018 - 2019

Deniz A., Project Supported by Higher Education Institutions, Türkiyede Kurak ve Islak Periyotlar için Yağışın Yersel ve Zamansal Değişimi, 2010 - 2018

Deniz A., Project Supported by Higher Education Institutions, TÜRKİYE'DE TURİZM-İKLİM İNDEKSİNİN (TCI) ARAŞTIRILMASI, 2009 - 2018

Deniz A., Project Supported by Higher Education Institutions, Türkiye'de Sıcaklık ve Yağış Paternlerine göre İklim İndisleri, 2008 - 2018

Deniz A., Project Supported by Higher Education Institutions, Türkiye'de Sinoptik Sistemlerin ve Hava Kirliliğinin Karşılaştırılması ve Analizi, 2005 - 2018

Deniz A., Project Supported by Higher Education Institutions, Türkiye Hava Kirliliği Siklon Frekanslarının Önemi, 2004 - 2018

Citations

Total Citations (WOS):284

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