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Foreign Languages

English, C1 Advanced

Research Areas

Atmospheric Sciences and Meteorological Engineering

Academic Titles / Tasks

Research Assistant, Istanbul Technical University, Uçak ve Uzay Bilimleri, Meteoroloji Mühendisliği, 2014 - Continues
Other, University of Missouri - Columbia, School of Natural Resources, Atmospheric Science, 2021 - 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A long-term analysis of thundersnow events over the Marmara Region, Turkey**
Yavuz V., Lupo A. R., Fox N., Deniz A.
NATURAL HAZARDS, vol.114, no.1, pp.367-387, 2022 (SCI-Expanded)
- II. **The role of short-wave troughs on the formation and development of sea-effect snowbands in the western Black Sea**
Yavuz V., Lupo A. R., Fox N., Deniz A.
THEORETICAL AND APPLIED CLIMATOLOGY, vol.149, no.1-2, pp.501-510, 2022 (SCI-Expanded)
- III. **Meso-Scale Comparison of Non-Sea-Effect and Sea-Effect Snowfalls, and Development of Prediction Algorithm for Megacity Istanbul Airports in Turkey**
Yavuz V., Lupo A. R., Fox N., Deniz A.
ATMOSPHERE, vol.13, no.5, 2022 (SCI-Expanded)
- IV. **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 (SCI-Expanded)
- V. **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 (SCI-Expanded)

- VI. **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 (SCI-Expanded)
- VII. **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 (SCI-Expanded)
- VIII. **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 (SCI-Expanded)
- IX. **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 (SCI-Expanded)
- X. **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 (SCI-Expanded)
- XI. **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 (SCI-Expanded)
- XII. **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 (SCI-Expanded)

Articles Published in Other Journals

- I. **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 (Peer-Reviewed Journal)
- II. **Temporal Analysis of Fog Incident at Airports in Turkey**
Akbayır I., Yavuz V., Deniz A.
El-Cezerî Journal of Science and Engineering, vol.5, no.2, pp.327-330, 2018 (Peer-Reviewed Journal)
- III. **The Method for Forecasting Relative Humidity with Height**
Yavuz V., Akbayır I., Deniz A.
IJESC, vol.7, no.12, pp.15827-15828, 2017 (Peer-Reviewed Journal)
- IV. **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 (Peer-Reviewed Journal)
- V. **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 (Peer-Reviewed Journal)
- VI. **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 (Peer-Reviewed Journal)
- VII. **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 (Peer-Reviewed Journal)
- VIII. **Investigation of Accident Incident In-Flight Reports for The European Region**
Yavuz V., Deniz A.

Refereed Congress / Symposium Publications in Proceedings

- I. **Queensland Townsville Floods in Australia in Feb 2019**
Yavuz V., Yetemen Ö., Deniz A.
ATMOS'19 (9. Atmosfer Bilimleri Sempozyumu), İstanbul, Turkey, 23 - 26 October 2019, pp.80-87
- II. **Power Curve Verification on Wind Turbines by Using the Nacelle Mounted Anemometer**
Yavuz V., Deniz A.
ATMOS'19 (9. Atmosfer Bilimleri Sempozyumu), İstanbul, Turkey, 23 - 26 October 2019, pp.80-87
- III. **İstanbul Sabiha Gökçen Uluslararası Havalimanı'na Ait Sis Oluşumu ile İlgili Sinoptik Durum Araştırması**
Deniz A., Yavuz V.
TUJJB Bilimsel Kongresi, İzmir, Turkey, 30 May - 02 June 2018, pp.225-228
- IV. **Güvenli Uçuş ve Ekonomik Kayıpların Minimize Edilmesi için İstanbul Sabiha Gökçen Uluslararası Havalimanı'na Ait FOGSİ İndeksi Kullanılarak Sis Analizi**
Yavuz V., Deniz A.
TUJJB Bilimsel Kongresi, İzmir, Turkey, 30 May - 02 June 2018, pp.221-224
- V. **Temporal Analysis of Fog Incident at Airports in Turkey**
Akbayır İ., Yavuz V., Deniz A.
International Advanced Researches and Engineering Congress-2017, Osmaniye, Turkey, 16 - 18 October 2017
- VI. **Fog Analysis at Adana City Airports**
Akbayır İ., Yavuz V., Deniz A.
International Advanced Researches and Engineering Congress-2017, Osmaniye, Turkey, 16 - 18 October 2017
- VII. **Investigation of the Relationship Between Bolu and Kocaeli Dilovası Air Pollution Parameters by WRF-Chem Model**
Akbayır İ., Çiftci N., Yavuz V., Toros H.
IAREC'17 (International Advanced Researches & Engineering Congress-2017), Osmaniye, Turkey, 16 - 18 November 2017, pp.1-5
- VIII. **Climatology of Lightning Events for Marmara Region Airports**
Yavuz V., Deniz A., Öztopal A.
IAREC'17 (International Advanced Researches & Engineering Congress-2017), Osmaniye, Turkey, 16 - 18 November 2017, pp.16-18
- IX. **Examination of Two Different Observations in terms of Lightning Incident at Marmara Region Airports**
Yavuz V., Deniz A., Öztopal A.
IAREC'17 (International Advanced Researches & Engineering Congress-2017), Osmaniye, Turkey, 16 - 18 November 2017, pp.1-5
- X. **Evaluation on Air Pollution in Karabük**
Yavuz V., Çiftci N., Akbayır İ., Toros H.
MENSEC'17 (International Mediterranean Natural Sciences and Engineering Congress", Podgorica, Montenegro, 19 - 22 October 2017, pp.151-156
- XI. **Investigation of Spatial Variation of Air Pollution in Dilovası-Turkey**
Çiftci N., Akbayır İ., Yavuz V., Toros H.
MENSEC'17 (International Mediterranean Natural Sciences and Engineering Congress", Podgorica, Montenegro, 19 - 22 October 2017, pp.169-174
- XII. **Atatürk Uluslararası Havalimanı'nda Meydana Gelen Downburst Hadisesinin İncelenmesi**
Yavuz V.
UZALMET'17 (3. Meteorolojik Uzaktan Algılama Sempozyumu), Antalya, Turkey, 16 - 19 October 2017, pp.16-19
- XIII. **Comparison of PM10 Data of Three Stations for Istanbul, Turkey**

- Deniz A., Çiftci N., Akbayır İ., Yavuz V.
ICETAS'16 (1st International Conference on Engineering Technology and Applied Sciences, Afyonkarahisar, Turkey, 21 - 22 April 2016, pp.1522-1528
- XIV. **Investigation of Wind Characteristics for Bergama in terms of Wind Energy**
Yavuz V., Deniz A., Çiftci N., Akbayır İ.
ICETAS'16 (1st International Conference on Engineering Technology and Applied Sciences), Afyonkarahisar, Turkey, 21 - 22 April 2016, pp.1492-1496
- XV. **Karar Ağacı Modeli Kullanarak İstanbul Atatürk Havalimanı için Sis Tahmini**
Yavuz V., Akbayır İ., Deniz A., Çiftci N.
ICETAS'16 (1st International Conference on Engineering Technology and Applied Sciences), Afyonkarahisar, Turkey, 21 - 22 April 2016, pp.1517-1521
- XVI. **Trabzon Havalimanı için Veri Madenciliği Yöntemleri Kullanılarak Sis Analizi ve Öngörü**
Akbayır İ., Yavuz V., Deniz A., Çiftci N.
ICETAS'16 (1st International Conference on Engineering Technology and Applied Sciences), Afyonkarahisar, Turkey, 21 - 22 April 2016, pp.1512-1515
- XVII. **The Importance of Blocking Events in Air Pollution in Turkey**
Yavuz V., Deniz A., Çiftci N., Akbayır İ.
ICETAS'16 (1st International Conference on Engineering Technology and Applied Sciences), Afyonkarahisar, Turkey, 21 - 22 April 2016, pp.1497-1501
- XVIII. Deniz A., Çiftci N., Akbayır İ., Yavuz V.
ICETAS'16 (1st International Conference on Engineering Technology and Applied Sciences), Afyonkarahisar, Turkey, 21 - 22 April 2016, pp.1529-1532
- XIX. **FOGSI İndeksi ile Sis Olasılığı Hesaplama Yöntemi ve Kriterleri**
Çiftci N., Akbayır İ., Yavuz V., Deniz A.
ICETAS'16 (1st International Conference on Engineering Technology and Applied Sciences), Afyonkarahisar, Turkey, 21 - 22 April 2016, pp.1509-1511
- XX. **İstanbul Yenibosna için Mevsimlik Kirlilik Analizi**
Çiftci N., Akbayır İ., Yavuz V., Deniz A.
ICETAS'16 (1st International Conference on Engineering Technology and Applied Sciences), Afyonkarahisar, Turkey, 21 - 22 April 2016, pp.1505-1508
- XXI. **Temporal and Spatial Analysis of Hail in Turkey**
Yavuz V., Deniz A.
MESAEP-18th International Symposium on Environmental Pollution and Its Impact on Life in the Mediterranean Region, Athens, Greece, 26 - 30 September 2015, pp.98
- XXII. **Computational Fluid Dynamics Approach to Wind Energy Calculation and Assessment of Wind Resource of Aegean Region in Turkey**
Yavuz V., Deniz A.
MESAEP-18th International Symposium on Environmental Pollution and Its Impact on Life in the Mediterranean Region, Athens, Greece, 26 - 30 September 2015, pp.261
- XXIII. **Temporal and Spatial Analysis of Tornado Cases in Turkey**
Yavuz V., Deniz A.
MESAEP-18th International Symposium on Environmental Pollution and Its Impact on Life in the Mediterranean Region, Athens, Greece, 26 - 30 September 2015, pp.97
- XXIV. **Comparison with Linear and Non-linear Models in Long-term Wind Energy Production**
Yavuz V., Deniz A.
MESAEP-18th International Symposium on Environmental Pollution and Its Impact on Life in the Mediterranean Region, Athens, Greece, 26 - 30 September 2015, pp.262
- XXV. **Investigation of Accident Incident In-Flight Reports for The European Region**
Yavuz V., Deniz A.
ATMOS'15 (7. Atmosfer Bilimleri Sempozyumu), İstanbul, Turkey, 28 - 30 April 2015, pp.434-441
- XXVI. **Investigation of CODA Reports**

- Yavuz V., Deniz A.
ATMOS'15 (7. Atmosfer Bilimleri Sempozyumu), İstanbul, Turkey, 28 - 30 April 2015, pp.423-433
- XXVII. **15 Temmuz 2013 Tarihinde Ankara Esenboğa Havalimanı'nda Yaşanan Boran Olayının İncelenmesi**
Yavuz V., Deniz A.
ATMOS'15 (7. Atmosfer Bilimleri Sempozyumu), İstanbul, Turkey, 28 - 30 April 2015, pp.465-474
- XXVIII. **Temporal and Spatial Analysis of Tornado Cases in Turkey**
Yavuz V., Deniz A.
ATMOS'15 (7. Atmosfer Bilimleri Sempozyumu), İstanbul, Turkey, 28 - 30 April 2015, pp.79-85
- XXIX. **Squall Line over Antalya**
Yavuz V., Deniz A.
OSTIV (Organisation Scientifique et Technique Internationale du Vol `a Voile) Congress, Meteorological Panel Meeting, Zürich, Switzerland, 6 - 07 February 2015, pp.32
- XXX. **Investigation of the Effect of Snowfall on the Flights in Turkey**
Yavuz V., Deniz A.
OSTIV (Organisation Scientifique et Technique Internationale du Vol `a Voile) Congress, Meteorological Panel Meeting, Zürich, Switzerland, 6 - 07 February 2015, pp.20
- XXXI. **Analysis of the Wind Persistence in Southwest Anatolia in terms of Paragliding**
Yavuz V., Koçak K., Kahya C.
OSTIV (Organisation Scientifique et Technique Internationale du Vol `a Voile) Congress, Poznan, Poland, 30 July - 06 August 2014, pp.43

Metrics

Publication: 54

Citation (WoS): 51

Citation (Scopus): 103

H-Index (WoS): 6

H-Index (Scopus): 7

Scholarships

2214-A, TUBITAK, 2021 - 2022