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Education Information

Undergraduate Double Major, Istanbul Technical University, Gemi İnşaatı ve Deniz Bilimleri, Gemi İnşaatı Ve Gemi Makinaları Mühendisliği, Turkey 2020 - Continues

Undergraduate, Istanbul Technical University, İnşaat, İnşaat Mühendisliği, Turkey 2019 - Continues

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Turkey 2017 - Continues

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Turkey 2015 - Continues

Undergraduate Double Major, Istanbul Technical University, Gemi İnşaatı ve Deniz Bilimleri, Gemi İnşaatı Ve Gemi Makinaları Mühendisliği, Turkey 2020 - 2023

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Turkey 2014 - 2017

Undergraduate, Istanbul Technical University, Turkey 2006 - 2012

Foreign Languages

English, C1 Advanced

Research Areas

Atmospheric Sciences and Meteorological Engineering, Civil Engineering, Naval Architecture and Marine Engineering, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Istanbul Technical University, Uçak ve Uzay Bilimleri, Meteoroloji Mühendisliği, 2014 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- 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 (SCI-Expanded)
- II. **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)

Articles Published in Other Journals

- I. **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)
- II. **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 (Peer-Reviewed Journal)
- III. **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 (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. **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)
- VI. **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 (Peer-Reviewed Journal)
- VII. **Meteorological Investigation of the Airplane Crash in Diyarbakır Airport on 8 January 2003**
AKBAYIR İ., YAVUZ V.
international journal of engineering science and computing, vol.6, no.12, 2016 (Peer-Reviewed Journal)
- VIII. **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)
- IX. **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 (Peer-Reviewed Journal)
- X. **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)
- XI. **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 (Peer-Reviewed Journal)
- 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 (Peer-Reviewed Journal)
- XIII. **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)

Refereed Congress / Symposium Publications in Proceedings

- I. **Analysis of PM10 and SO2 Values in The South East and Eastern Anatolian Region**

AKBAYIR İ., EFE B.

1. ULUSLARARASI İLERİ ARAŞTIRMALAR VE MÜHENDİSLİK KONGRESİ, 16 - 18 November 2017

- II. **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
- III. **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
- IV. **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
- V. **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
- VI. **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
- VII. **Fogsi indeksi ile sis olasılığı hesaplama yöntemi ve kriterleri**
DOĞAN N., AKBAYIR İ., YAVUZ V., DENİZ A., ÇAVUŞ P. C.
1st international conference on engineering technology and applied sciences, 21 April 2014 - 22 April 2016
- VIII. **İstanbul yenibosna için mevsimlik kirlilik analizi**
DOĞAN N., AKBAYIR İ., YAVUZ V., DENİZ A., ÇAVUŞ P. C.
1st international conference on engineering technology and applied sciences, 21 - 22 April 2016
- IX. **The importance of Blocking Events in Air Pollution in Turkey**
YAVUZ V., DENİZ A., ÇAVUŞ P. C., DOĞAN N., AKBAYIR İ.
1st international conference on engineering technology and applied sciences, 21 - 22 April 2016
- X. **Afyon ili için zamansal hava kirliliği analizi**
ÇAVUŞ P. C., DENİZ A., DOĞAN N., AKBAYIR İ., YAVUZ V.
1st international conference on engineering technology and applied sciences, 21 - 22 April 2016
- XI. **Karar ağacı modeli kullanılarak istanbul atatürk havalimanı için sis tahmini**
AKBAYIR İ., YAVUZ V., DENİZ A., ÇAVUŞ P. C., DOĞAN N.
1st international conference on engineering technology and applied sciences, 21 - 22 April 2016
- XII. **Trabzon havalimanı için veri madenciliği yöntemleri kullanılarak sis analizi ve öngörüsü**
AKBAYIR İ., YAVUZ V., DENİZ A., ÇAVUŞ P. C., DOĞAN N.
1st international conference on engineering technology and applied sciences, 21 - 22 April 2016
- XIII. **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
- 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. 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
- XVII. 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
- XVIII. 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
- XIX. 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
- XX. 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
- XXI. Son 10 Yılda Avrupa yı ve Ülkemizi Etkileyen Volkanik Olayların Havacılık Meteorolojisi Bakımından İncelenmesi**
berkan a., AKBAYIR İ., DENİZ A.
7th Atmospheric Sciences Symposium, İstanbul, Turkey, 28 - 30 April 2015, vol.1, pp.487-497
- XXII. İstanbul için Eğimli Yüzeye Gelen Günlük Toplam Radyasyon Tahmini**
ilga a., AKBAYIR İ., TOPÇU H. S.
7th Atmospheric Sciences Symposium, İstanbul, Turkey, 28 - 30 April 2015, vol.2, pp.1232-1243
- XXIII. Muğla için Atmosfer Geçirgenliğinden Yararlanılarak Saatlik Direkt Radyasyon Tahmini**
akın k., AKBAYIR İ., ÖZGÜR E., TOPÇU H. S.
7th Atmospheric Sciences Symposium, İstanbul, Turkey, 28 - 30 April 2015, vol.2, pp.1205-1213

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