

## **Res. Asst. İbrahim Akbayır**

### **Personal Information**

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### **International Researcher IDs**

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### **Education Information**

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

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

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

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

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

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

Undergraduate, İstanbul 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, İstanbul 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. **Comparision 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 SO<sub>2</sub> 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 İstanbul 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 Engeneering 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 Engeneering Technology and Applied Sciences), Afyonkarahisar, Turkey, 21 - 22 April 2016, pp.1492-1496
- XV. **Karar Ağacı Modeli Kullanılarak İstanbul Atatürk Havalimanı için Sis Tahmini**  
Yavuz V., Akbayır İ., Deniz A., Çiftci N.  
ICETAS'16 (1st International Conference on Engeneering 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 Engeneering 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 Engeneering Technology and Applied Sciences, Afyonkarahisar,  
Turkey, 21 - 22 April 2016, pp.1522-1528
- XVIII. **Istanbul Yenibosna için Mevsimlik Kirlilik Analizi**  
Çiftci N., Akbayır İ., Yavuz V., Deniz A.  
ICETAS'16 (1st International Conference on Engeneering 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 Engeneering 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 Engeneering 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

## Metrics

- Publication: 38  
Citation (WoS): 11  
Citation (Scopus): 23  
H-Index (WoS): 2  
H-Index (Scopus): 2