

## Res. Asst. İbrahim Akbayır

### Personal Information

**Email:** akbayiri@itu.edu.tr

**Web:** <https://avesis.itu.edu.tr/akbayiri>

### Education Information

Under Graduate, Istanbul Technical University, İnşaat, İnşaat Mühendisliği, Turkey 2019 - Continues

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

Post Graduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Turkey 2015 - Continues

Post Graduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Turkey 2014 - 2017

Under Graduate, Istanbul Technical University, Turkey 2006 - 2012

### Foreign Languages

English, C1 Advanced

### Research Areas

Civil Engineering

### Academic Titles / Tasks

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

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

#### I. 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)

### Articles Published in Other Journals

#### I. Temporal Analysis of Fog Incident at Airports in Turkey

Akbayır İ., Yavuz V., Deniz A.

El-Cezerî Journal of Science and Engineering, vol.5, no.2, pp.327-330, 2018 (Other Refereed National Journals)

#### 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 (Refereed Journals of Other Institutions)

#### 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 (Refereed Journals of Other Institutions)

- 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 (Refereed Journals of Other Institutions)
- 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. **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)
- 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 (Refereed Journals of Other Institutions)
- 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 (Refereed Journals of Other Institutions)
- 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 (Refereed Journals of Other Institutions)
- 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 (Refereed Journals of Other Institutions)
- 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 (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. **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)

## **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

## Citations

Total Citations (WOS):3

h-index (WOS):1