

## Prof. Ali Deniz

### Personal Information

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

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

### International Researcher IDs

ScholarID: oHvxZZkAAAAJ

ORCID: 0000-0003-1068-4277

ScopusID: 57190121491

Yoksis Researcher ID: 202524

### Biography

Prof. Dr. Ali Deniz was born in the town of Geyve in Sakarya in 1965. He completed his primary school, secondary school and high school education in his hometown Sakarya. After graduating from ITU Meteorological Engineering Department in 1988, he started his professional life in 1989 as a research assistant at ITU. In 1991, he received the title of Senior Meteorological Engineer from ITU Graduate School of Science. In 1997, he completed his Ph.D. He was appointed as Associate Professor in 2012 and as full Professor in 2019.

Prof. Dr. Ali Deniz is currently a Professor at Istanbul Technical University, Faculty of Aeronautics and Astronautics, Department of Meteorological Engineering. In addition to his academic career, he has worked at various administrative positions both at ITU and Marmara Clean Air Center Regional Directorate. He served as the Department Chair of Meteorological Engineering between 2006-2009 and as the Regional Director of Marmara Clean Air Center between 2010-2011. He is currently the Secretary-General of Istanbul Technical University and the Director of Eurasia Institute of Earth Sciences.

In his academic projects, he has been the principal investigator of 3 TÜBİTAK 1001 Projects, 2 Projects for the Turkish National Union of Geodesy and Geophysics (TNUGG), and in many projects for various public organizations. He has also worked as a researcher in a total of 7 projects for various public and private organizations including TÜBİTAK and TNUGG. In these projects, Prof. Dr. Ali Deniz mostly focused on air pollution and renewable energy sources.

For the past 5 years, he has been giving Atmospheric Dynamics I and II and Aeronautical Meteorology courses regularly in the Department of Meteorological Engineering, and previously gave Advanced Synoptic Meteorology as a master's course and various common courses. In 2015, he acted as the Chair of the Symposium on Atmospheric Sciences organized biennially by the Department of Meteorological Engineering. He has been the thesis advisor for 8 master's theses and 2 Ph.D. theses completed until now, and is currently the thesis advisor for 5 master's theses and 6 Ph.D. theses under progress.

Prof. Deniz specializes in the atmospheric dynamics, meso-scale and synoptic-scale characteristics of weather events, air pollution and aviation meteorology. For his academic publications, he has 26 international articles in the SCI category and 6 articles in other international journals. Ali Deniz has a total of 10 publications in national refereed journals scanned by ULAKBİM, and a total of 92 papers in national and international conferences. According to Web of Science (WOS) database, his H-Index is 8 and he has 363 citations. According to Google Academic database, his H-Index is 10 and he has 706 citations.

Prof. Dr. Ali Deniz has focused on synoptic scale weather events and climate change during and immediately after his doctorate. In this context, he examined the spatial variation of climate indices for Turkey. Also he has revealed the climatology of rainy and dry times over Turkey. He focused on stable atmospheric conditions in later times. He has done studies on climatology of air pollution and its effects. Also, he has numerically revealed the effects of these on human health. Moreover, he examined more than one article on the fog incident occurring in stable atmospheric conditions in terms of the aviation sector, and he conducted two different projects related to this. In his recent studies, he showed a

tendency to unstable atmospheric conditions and revealed the climatological characteristics of thunderstorms for the Marmara Region. Subsequently, he carried out studies for lightning incidents at airports in the Marmara Region. In his latest studies, he continues to investigate the climatology and effects of precipitation and air pollution. He has used many statistical methods, numerical weather forecast model, climate models and machine learning algorithms in all his studies.

## 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

Atmospheric Sciences and Meteorological Engineering, Meteorological Disasters, Engineering and Technology

## 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

## Published journal articles indexed by SCI, SSCI, and AHCI

1. An investigation of the effects of sand and dust storms in the North East Sahara Desert on Turkish airports and PM10 values: 7 and 8 April, 2013 events

Birinci E., Özdemir E. T., Deniz A.

ENVIRONMENTAL MONITORING AND ASSESSMENT AN INTERNATIONAL JOURNAL DEVOTED TO PROGRESS IN THE USE OF MONITORING DATA IN ASSESSING ENVIRONMENTAL RISKS TO MAN AND THE ENVIRONMENT,

vol.195, no.708, pp.1-24, 2023 (SCI-Expanded)

- II. **The relationship between PM<sub>10</sub> and meteorological variables in the mega city Istanbul**  
Birinci E., Deniz A., Özdemir E. T.  
Environmental Monitoring and Assessment, vol.195, no.2, 2023 (SCI-Expanded)
- III. **Ankara Esenboga International Airport (Turkey) fog analysis and synoptical investigation of the fog event dated 17-19 December 2019**  
Koyuncu R., Deniz A., Özdemir E. T.  
INTERNATIONAL JOURNAL OF CLIMATOLOGY, vol.42, no.16, pp.8368-8389, 2022 (SCI-Expanded)
- IV. **Prioritizing urban water scarcity mitigation strategies based on hybrid multi-criteria decision approach under fuzzy environment**  
Ekmekcioğlu Ö., KOÇ K., Dabanlı İ., Deniz A.  
Sustainable Cities and Society, vol.87, 2022 (SCI-Expanded)
- V. **Statistical characteristics of sea-effect snow events over the western Black Sea**  
Yavuz V., Lupo A. R., Fox N., Deniz A.  
THEORETICAL AND APPLIED CLIMATOLOGY, vol.150, no.3-4, pp.955-968, 2022 (SCI-Expanded)
- VI. **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)
- VII. **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)
- VIII. **Analysis of air pollutants in Kagithane valley and Istanbul Metropolitan Area**  
Efe B., Oztaner Y. B., Deniz A., Ünal A.  
AIR QUALITY ATMOSPHERE AND HEALTH, vol.15, pp.1027-1041, 2022 (SCI-Expanded)
- IX. **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)
- X. **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)
- XI. **Long-term thunderstorm analysis at airports in the Marmara Region: types and favourable atmospheric conditions**  
Yavuz V., Deniz A., Ozdemir E. T., Karan H., Temiz C.  
INTERNATIONAL JOURNAL OF GLOBAL WARMING, vol.28, no.1, pp.81-95, 2022 (SCI-Expanded)
- XII. **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 (SCI-Expanded)
- XIII. **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)
- XIV. **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)
- XV. **Particulate matter (PM<sub>10</sub>) and PM<sub>2.5</sub> concentrations during a Saharan dust episode in Istanbul**  
Capraz O., Deniz A.  
AIR QUALITY ATMOSPHERE AND HEALTH, vol.14, no.1, pp.109-116, 2021 (SCI-Expanded)

- XVI. **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 (SCI-Expanded)
- XVII. **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 (SCI-Expanded)
- XVIII. **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)
- XIX. **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)
- XX. **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 (SCI-Expanded)
- XXI. **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)
- XXII. **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 (SCI-Expanded)
- XXIII. **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)
- XXIV. **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)
- XXV. **The Mt Etna SO<sub>2</sub> eruption in December 2015-the view from space**  
Athanassiadou M.  
WEATHER, vol.71, no.11, pp.273-279, 2016 (SCI-Expanded)
- XXVI. **Severe thunderstorm over Esenboa International Airport in Turkey on 15 July 2013**  
Ozdemir E. T., Deniz A.  
WEATHER, vol.71, no.7, pp.157-161, 2016 (SCI-Expanded)
- XXVII. **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 (SCI-Expanded)
- XXVIII. **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 (SCI-Expanded)
- XXIX. **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 (SCI-Expanded)
- XXX. **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 (SCI-Expanded)
- XXXI. **Case study of PM pollution in playgrounds in Istanbul**

- Ozdemir H., Mertoglu B., Demir G., DENİZ A., Toros H.  
THEORETICAL AND APPLIED CLIMATOLOGY, vol.108, no.3-4, pp.553-562, 2012 (SCI-Expanded)
- XXXII. **Temporal and spatial patterns of precipitation variability for annual, wet, and dry seasons in Turkey**  
Ünal Y., DENİZ A., TOROS H., INCECIK S.  
INTERNATIONAL JOURNAL OF CLIMATOLOGY, vol.32, no.3, pp.392-405, 2012 (SCI-Expanded)
- XXXIII. **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., INCECIK S.  
ATMOSPHERIC ENVIRONMENT, vol.45, no.31, pp.5504-5513, 2011 (SCI-Expanded)
- XXXIV. **AN EXAMINATION OF THE TOURISM CLIMATE INDEX IN TURKEY**  
Deniz A.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.0, 2011 (SCI-Expanded)
- XXXV. **Spatial variations of climate indices in Turkey**  
Deniz A., Toros H., INCECIK S.  
INTERNATIONAL JOURNAL OF CLIMATOLOGY, vol.31, no.3, pp.394-403, 2011 (SCI-Expanded)
- XXXVI. **Spatial variability of chilling temperature in Turkey and its effect on human comfort**  
Toros H., DENİZ A., SAYLAN L., Sen O., BALOGLU M.  
METEOROLOGY AND ATMOSPHERIC PHYSICS, vol.88, pp.107-118, 2005 (SCI-Expanded)
- XXXVII. **Cyclone track variability over Turkey in association with regional climate**  
KARACA M., Deniz A., TAYANÇ M.  
INTERNATIONAL JOURNAL OF CLIMATOLOGY, vol.0, 2000 (SCI-Expanded)

## Articles Published in Other Journals

- I. **A comprehensive country-based day-ahead wind power generation forecast model by coupling numerical weather prediction data and CatBoost with feature selection methods for Turkey**  
Ozen C., Deniz A.  
WIND ENGINEERING, vol.46, no.5, pp.1359-1388, 2022 (ESCI)
- II. **Spatiotemporal Variation of Tourism Climate Index for Türkiye during 1981-2020**  
Efe B., Gozet E., ÖZGÜR E., Lupo A. R., Deniz A.  
CLIMATE, vol.10, no.10, 2022 (ESCI)
- III. **Short-term wind speed forecast for Urla wind power plant: A hybrid approach that couples weather research and forecasting model, weather patterns and SCADA data with comprehensive data preprocessing**  
Ozen C., Deniz A.  
WIND ENGINEERING, vol.46, no.5, pp.1526-1549, 2022 (ESCI)
- IV. **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, vol.45, no.5, pp.1256-1272, 2021 (ESCI)
- V. **Mega Şehir İstanbul İçin Ekstrem Basınç Değerlerinde Partikül Madde (PM10) Değişiminin Araştırılması**  
Özdemir E. T., Çapraz Ö., Deniz A.  
JOURNAL OF ANATOLIAN ENVIRONMENTAL AND ANIMAL SCIENCES, vol.5, no.4, pp.484-490, 2020 (Peer-Reviewed Journal)
- VI. **Mega Şehir İstanbul İçin Ekstrem Basınç Değerlerinde Hava Kirleticilerinin Analizi**  
ÖZDEMİR E. T., ÇAPRAZ Ö., DENİZ A.  
JOURNAL OF ANATOLIAN ENVIRONMENTAL AND ANIMAL SCIENCES, vol.5, 2020 (Peer-Reviewed Journal)
- VII. **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)
- VIII. **Power Curve Verification of Wind Turbines by Using the Nacelle Mounted Anemometer**  
Özen C., Yavuz V., Dinç U., Özdemir E. T., Deniz A.  
Journal of Research in Atmospheric Science, vol.1, no.1, pp.38-41, 2019 (Peer-Reviewed Journal)
- IX. **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 (Peer-Reviewed Journal)
- X. **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 (Peer-Reviewed Journal)
- XI. **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)
- XII. **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)
- XIII. **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)
- XIV. **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)
- XV. **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)
- XVI. **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)
- XVII. **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)
- XVIII. **Comparison of Three Stations' PM10 Data for Istanbul, Turkey**  
Deniz A., Çiftçi N., Akbayır I., Yavuz V.  
IJIRSET, vol.5, no.12, pp.138-150, 2016 (Peer-Reviewed Journal)
- XIX. **Investigation of Wind Characteristics for Bergama in Terms of Wind Energy**  
Yavuz V., Deniz A., Çiftçi N., Akbayır I.  
IJIRSET, vol.5, no.12, pp.129-137, 2016 (Peer-Reviewed Journal)
- XX. **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)
- XXI. **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)
- XXII. **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 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Fog Analysis at Kars Harakani Airport Last Decade: In 8-9-10 February 2013 Case Study**  
Uğurluel G., DENİZ A., ÖZDEMİR E. T.  
International Graduate Research Symposium IGRS'22, 1 - 03 June 2022
- II. **An investigation of the effects of dust transport and dust storms on PM10 and PM2.5 at airports in the Marmara region of Türkiye**  
Birinci E., Özdemir E. T., Deniz A.  
ATMOS 22, İstanbul, Turkey, 18 - 21 October 2022, pp.1-15
- III. **Meteorological Analysis of Flood Events Occurring in Bartın, Kastamonu and Sinop on 10-11 August 2021**  
ÖZDEMİR E. T., EFE B., DENİZ A.  
International Symposium on Remote Sensing in Meteorology, (Meteo Irs 2021), 1 - 02 December 2021
- IV. **Analysis of Air Pollutants at Extreme Pressure Values in İstanbul, Turkey**  
ÖZDEMİR E. T., ÇAPRAZ Ö., DENİZ A.  
1st International Conference on Applications of Air Quality in Science and Engineering (ICAAQSE 2020), 10 - 12 February 2020
- V. **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
- VI. **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
- VII. **Power Curve Verification of Wind Turbines by Using the Anemometer on the Nacelle**  
ÖZEN C., YAVUZ V., ÖZDEMİR E. T., DENİZ A.  
9th International Symposium on Atmospheric Sciences, ATMOS-2019, 23 - 26 October 2019
- VIII. **Queensland Townsville Floods in Australia in Feb 2019**  
ÖZDEMİR E. T., KOLAY O., YAVUZ V., ÖZEN C., YETEMEN Ö., DENİZ A.  
9th International Symposium on Atmospheric Sciences, ATMOS-2019, 23 - 26 October 2019
- IX. **The Relationship Between Atmospheric Blocking and Extreme Winter Temperatures in Turkey**  
EFE B., DENİZ A., Lupo A.  
9th International Symposium on Atmospheric Sciences, 23 - 25 October 2019
- X. **Recent Changes in the Character of Blocking Over the Atlantic – Eurasian Sector including Turkey and the Impact on Climate**  
Lupo A., EFE B., DENİZ A., Sezen İ.  
9th International Symposium on Atmospheric Sciences, 23 - 25 October 2019
- XI. **The Relationship between Atmospheric Blocking and Precipitation Changes in Turkey between 1977 and 2016.**  
EFE B., Lupo A., DENİZ A.  
32nd Conference on Climate Variability and Change, AMS 2019, PHOENIX, United States Of America, 6 - 10 January 2019
- XII. **Analysis of Trends in Atmospheric Blocking Event by Innovative Trend Method**  
EFE B., DENİZ A., Sezen İ.  
TUJJBBK, 30 May - 02 June 2018
- XIII. **Investigating a Saharan Dust Event in Istanbul Using Air Quality Data**  
Çapraz Ö., DENİZ A.  
TUJJBBK, 30 May - 02 June 2018
- XIV. **Synoptic Case Study on Fog Formation of Istanbul Sabiha Gökçen International Airport**  
DENİZ A., YAVUZ V., Özdemir E. T.  
TUJJBBK, 30 May - 02 June 2018
- XV. **Analysis of PM2.5 Concentration in Istanbul**

## 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

## Metrics

Publication: 174

Citation (WoS): 317

Citation (Scopus): 613

H-Index (WoS): 8

H-Index (Scopus): 12