

Assoc. Prof. Yasemin Ezber

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Istanbul Technical University, Avrasya Yer Bilimleri Enstitüsü, İklim Ve Deniz Bilimleri Bölümü, Turkey 2003 - 2010

Postgraduate, Istanbul Technical University, Avrasya Yer Bilimleri Enstitüsü, İklim Ve Deniz Bilimleri Anabilim Dalı, Turkey 2000 - 2003

Foreign Languages

English

Dissertations

Doctorate, A numerical investigation of meso-scale flow and air pollutant transport patterns over the region of Istanbul, İstanbul Teknik Üniversitesi, Avrasya Yer Bilimleri Enstitüsü, İklim Ve Deniz Bilimleri Bölümü, 2010

Postgraduate, Kuzey Atlantik salınımının modellenmesi: İki farklı yılın karşılaştırılması, İstanbul Teknik Üniversitesi, Avrasya Yer Bilimleri Enstitüsü, İklim Ve Deniz Bilimleri Anabilim Dalı, 2003

Research Areas

Technical Sciences, Atmospheric Sciences and Meteorological Engineering

Academic Titles / Tasks

Research Assistant, Istanbul Technical University, Avrasya Yer Bilimleri Enstitüsü, İklim Ve Deniz Bilimleri, 2002 - Continues

Courses

Special Topics in Earth System Science, Postgraduate, 2020 - 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **WRF sensitivity simulations of a dense advection fog event in Istanbul**
Ezber Y., Sen Ö. L.
THEORETICAL AND APPLIED CLIMATOLOGY, vol.148, pp.617-641, 2022 (SCI-Expanded)
- II. **Characterization of atmospheric mechanisms that cause the transport of Arabian dust particles to the southeastern region of Turkey**
Baltaci H., Ezber Y.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.29, no.15, pp.22771-22784, 2022 (SCI-Expanded)
- III. **Numerical simulation and sensitivity study of a severe hailstorm over Istanbul**
Toker E., Ezber Y., Sen Ö. L.
ATMOSPHERIC RESEARCH, vol.250, 2021 (SCI-Expanded)
- IV. **Influence of African Atmospheric Rivers on Precipitation and Snowmelt in the Near East's Highlands**
Bozkurt D., Sen Ö. L., Ezber Y., Guan B., Viale M., Caglar F.
JOURNAL OF GEOPHYSICAL RESEARCH-ATMOSPHERES, vol.126, no.4, 2021 (SCI-Expanded)
- V. **The Making of the New European Wind Atlas - Part 2: Production and evaluation**
Doerenkaemper M., Olsen B. T., Witha B., Hahmann A. N., Davis N. N., Barcons J., Ezber Y., Garcia-Bustamante E., Fidel Gonzalez-Rouco J., Navarro J., et al.
GEOSCIENTIFIC MODEL DEVELOPMENT, vol.13, no.10, pp.5079-5102, 2020 (SCI-Expanded)
- VI. **The making of the New European Wind Atlas - Part 1: Model sensitivity**
Hahmann A. N., Sile T., Witha B., Davis N. N., Doerenkaemper M., Ezber Y., Garcia-Bustamante E., Fidel Gonzalez-Rouco J., Navarro J., Olsen B. T., et al.
GEOSCIENTIFIC MODEL DEVELOPMENT, vol.13, no.10, pp.5053-5078, 2020 (SCI-Expanded)
- VII. **Role of the East Asian trough on the eastern Mediterranean temperature variability in early spring and the extreme case of 2004 warm spell**
Bozkurt D., Ezber Y., Sen Ö. L.
CLIMATE DYNAMICS, vol.53, pp.2309-2326, 2019 (SCI-Expanded)
- VIII. **Euro-Mediterranean climate variability in boreal winter: a potential role of the East Asian trough**
Sen Ö. L., Ezber Y., Bozkurt D.
CLIMATE DYNAMICS, vol.52, no.11, pp.7071-7084, 2019 (SCI-Expanded)
- IX. **Assessment of the changes in the Etesians in the EURO-CORDEX regional model projections**
Ezber Y.
INTERNATIONAL JOURNAL OF CLIMATOLOGY, vol.39, no.3, pp.1213-1229, 2019 (SCI-Expanded)
- X. **Seasonality of Precipitation in TURKEY: Present and Future Assessments**
Ezber Y.
Sakarya University Journal Of Science, vol.22, no.5, pp.1288-1297, 2018 (SCI-Expanded)
- XI. **Investigation of local flow features in Istanbul. Part II: high-resolution real case simulations**
Ezber Y., Sen Ö. L., Boybeyi Z., KARACA M.
INTERNATIONAL JOURNAL OF CLIMATOLOGY, vol.35, no.15, pp.4802-4828, 2015 (SCI-Expanded)
- XII. **Investigation of local flow features in Istanbul. Part I: high-resolution sensitivity simulations**
Ezber Y., Sen Ö. L., Boybeyi Z., KARACA M.
INTERNATIONAL JOURNAL OF CLIMATOLOGY, vol.35, no.13, pp.3812-3833, 2015 (SCI-Expanded)
- XIII. **Risk assessment of atmospheric emissions using machine learning**
Cervone G., Franzese P., Ezber Y., Boybeyi Z.
NATURAL HAZARDS AND EARTH SYSTEM SCIENCES, vol.0, pp.991-1000, 2008 (SCI-Expanded)
- XIV. **Climatic effects of urbanization in Istanbul: a statistical and modeling analysis**
Ezber Y., SEN O. L., Kindap T., KARACA M.
INTERNATIONAL JOURNAL OF CLIMATOLOGY, vol.27, no.5, pp.667-679, 2007 (SCI-Expanded)

Articles Published in Other Journals

- I. **Güney Okyanusunun Atmosfer ve Okyanus Sirkülasyonlarının Sayısal Modeller Yardımıyla İncelenmesi**
 Ezber Y., Tutak B., İlıcak M.
 Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.21, no.5, pp.1231-1246, 2021 (Peer-Reviewed Journal)
- II. **Seasonality of Precipitation in TURKEY: Past, Present and Future Assessments**
 EZBER Y.
 Sakarya university journal of Science, vol.22, no.5, pp.1288-1297, 2018 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **WRF Simulation Performance of the 27 July 2017 Hail Event Over Istanbul**
 Toker E., Ezber Y., Şen Ö. L.
 9th International Symposium on Atmospheric Sciences –ATMOS 2019, İstanbul, Turkey, 23 - 26 October 2019, pp.456-463
- II. **Effect of the equatorial Pacific SST distribution on the climate variability of Euro- Mediterranean region**
 Yavuzsoy E., Ezber Y., Şen Ö. L.
 9 th International Symposium on Atmospheric Sciences (ATMOS 2019), İstanbul, Turkey, 23 - 26 October 2019, pp.296-302
- III. **Simulation of Heavy Fog in Istanbul using WRF Model**
 Ezber Y., Şen Ö. L.
 9th International Symposium on Atmospheric Sciences ATMOS 2019, İstanbul, Turkey, 23 - 26 October 2019, pp.385-391
- IV. **26 OCAK - 2 SUBAT 2012 TARİHLERİ ARASINDA İSTANBUL'DA MEYDANA GELEN AŞIRI KAR YAĞIŞI HADİSESİNİN WRF MODELİ VE UZAKTAN ALGILAMA ÖLÇÜMLERİ İLE ANALİZİ**
 İŞLER S., DURMUŞ O., EZBER Y., ŞEN Ö. L.
- IV. **METEOROLOJİK UZAKTAN ALGILAMA SEMPOZYUMU**, Turkey, 11 - 15 November 2019
- V. **Effect of the equatorial Pasific SST distribution on the climate variability of Euro-Mediterranean region**
 Yavuzsoy E., EZBER Y., ŞEN Ö. L.
 9th International Symposium on Atmospheric Sciences ATMOS 2019, 23 - 26 October 2019
- VI. **Artificial Neural Networks Approach to Improving Wind Speed of Weather Research Forecasting(WRF) Simulation over Turkey**
 akyıl d., MENTEŞ Ş. S., BARUTÇU B., kaytancı t., EZBER Y.
 9th International Symposium on Atmospheric Sciences (ATMOS 2019), 23 - 26 October 2019
- VII. **Comparison of 10 Years of Simulated Wind Speed with Surface Station Measurements, and Statistics of 30 Years of Simulated Wind Speed**
 kaytancı t., MENTEŞ Ş. S., ÜNAL Y., EZBER Y.
 9th International Symposium on Atmospheric Sciences (ATMOS 2019), 23 - 26 October 2019
- VIII. **Simulation of a Heavy Fof event in Istanbul using the WRF model**
 EZBER Y., ŞEN Ö. L.
 9th International Symposium on Atmospheric Sciences ATMOS 2019, 23 - 26 October 2019
- IX. **Prediction of Extreme Meso Scale Convective Events Occur in Antalya and Muğla Between 21st and 26th January 2019**
 ÖZKAN F. N., MENTEŞ Ş. S., EZBER Y., akyıl d.
 9th International Symposium on Atmospheric Sciences (ATMOS 2019), 23 - 26 October 2019
- X. **Effect of the equatorial Pacific SST distribution on the climate variability of Euro-Mediterranean region**
 Ezber Y., Ezber Y., Şen Ö. L.

- XI. **Investigation of Sea Breezes on the Middle Aegean Coast of Turkey**
büğday g., MENTEŞ Ş. S., TOPÇU H. S., EZBER Y., kaytancı t.
- 7th International Conference on Meteorology and Climatology of the Mediterranean, Palma, Spain, 4 - 06 March 2019
- XII. **Impact of the East Asian Trough strength on the Mediterranean Climate : Example of Extreme Discharge in 2004**
EZBER Y., Bozkurt D., ŞEN Ö. L.
MedCLIVAR 2018, 17 - 21 September 2018
- XIII. **Prediction of a winter fog event in Istanbul using WRF Model**
Ezber Y., Baltacı H., Şen Ö. L.
European Meteorological Society (EMS) Annual Meeting, Budapest, Hungary, 3 - 07 September 2018, vol.15, pp.1
- XIV. **27 Temmuz 2017 tarihinde İstanbul üzerinde meydana gelen dolu olayının WRF simülasyonu performansı**
Toker E., EZBER Y., ŞEN Ö. L.
Türkiye Ulusal Jeodezi ve Jeofizik Birliği Bilimsel Kongresi, Turkey, 30 May - 02 June 2018
- XV. **Bölgesel iklim modeli projeksiyonlarına göre Etezyen Rüzgarların değerlendirilmesi**
EZBER Y., ŞEN Ö. L.
Türkiye Ulusal Jeodezi ve Jeofizik Birliği Bilimsel Kongresi, Turkey, 30 May - 02 June 2018
- XVI. **Türkiye'xxye yağış getiren siklonların yörüngeleri**
Bozbura M., EZBER Y., ŞEN Ö. L.
Türkiye Ulusal Jeodezi ve Jeofizik Birliği Bilimsel Kongresi, Turkey, 30 May - 02 June 2018
- XVII. **ERA5 VE ERA-INTERIM MODEL VERİSİ KULLANILARAK YENİ AVRUPA RÜZGAR ATLASI İÇİN WRF MODEL SONUÇLARININ KARŞILAŞTIRILMASI VE DEĞERLENDİRİLMESİ**
MENTEŞ Ş. S., EZBER Y., YILMAZ E., kaytancı t., ÜNAL Y., ÖNOL B., TOPÇU H. S., ASLAN Z.
Küresel İklim Değişikliği, Çevre Ve Enerji II. Uluslararası Sempozyumu 2018, İstanbul, Turkey, 18 April 2018
- XVIII. **Projected changes of the Etesian winds from EURO-CORDEX experiment**
EZBER Y., ŞEN Ö. L.
EGU General Assembly, 8 - 13 April 2018
- XIX. **Atmospheric Stability Analysis And Comparison Of Wind Profiles Related To Radiononde Measurements And Wrf Model Output**
kaytancı t., MENTEŞ Ş. S., EZBER Y., YILMAZ E., ÜNAL Y., TOPÇU H. S., İNCECİK S.
8 th Atmospheric Sciences Symposium, 1 - 04 October 2017
- XX. **Estimation Of Wind Potentials Under Severe Weather Conditions In Selected Regions Using The Wrf Model**
akyl d., MENTEŞ Ş. S., EZBER Y., YILMAZ E., ÜNAL Y., TOPÇU H. S.
8 th Atmospheric Sciences Symposium, 1 - 04 October 2017
- XXI. **Relation between the East Asian Trough and Euro-Mediterranean Climate at Pentad Resolution**
EZBER Y., Bozkurt D., ŞEN Ö. L.
8th Atmospheric Symposium, 1 - 04 November 2017
- XXII. **Extreme Discharge Events in the Early Spring of 2004 in Eastern Anatolia: Impact of the East Asian Trough**
Bozkurt D., EZBER Y., ŞEN Ö. L.
8th Atmospheric Science Symposium, 1 - 04 November 2017
- XXIII. **The Role of the East Asian Trough on the Euro-Mediterranean Climate Variability**
ŞEN Ö. L., EZBER Y., Bozkurt D.
8th Atmospheric Science Symposium, 01 November 2017 - 04 January 2018
- XXIV. **TÜRKİYE'DE YAĞIŞ MEVSİMSELLİĞİ VE GELECEKTEKİ DEĞİŞİMİ**
Ezber Y., Şen Ö. L.
5th TIKDEK 2017, İstanbul, Turkey, 5 - 07 July 2017, pp.1-4
- XXV. **Sensitivity Analysis and Performance Evaluation of the WRF Model, to Determine Wind Potential for**

- the Mut Region in Turkey**
 Menteş Ş. S., Ezber Y., Yılmaz E., Ünal Y., Kaytancı T., Topçu H. S.
 Wind Energy Science Conference, Kopenhag, Denmark, 26 - 29 June 2017, pp.45
- XXVI. SENSITIVITY ANALYSIS AND PERFORMANCE EVALUTION OF THE WRF MODEL, TO DETERMINE WIND POTENTIAL FOR THE MUT REGION IN TURKEY**
 MENTEŞ Ş. S., EZBER Y., Yılmaz E., ÜNAL Y., Kaytancı T., Hahman A., TOPÇU H. S.
 WECS 2017, 26 - 29 June 2017
- XXVII. Comparison of WRF Model results with observations over TURKEY: A case study In MUT Region**
 Menteş Ş. S., Ezber Y., Yılmaz E., Ünal Y., Kaytancı T., Hahmann A., Erten E., Topçu H. S., ASLAN Z.
 SOWE 2017, Pamplona, Spain, 26 - 28 April 2017, pp.420-421
- XXVIII. Towards a New European Wind Atlas: Results from the WRF Sensitivity Experiments**
 Hahmann A., Ezber Y., Menteş Ş. S.
 Wind Europe Resource Assessment, Edinburg, United Kingdom, 16 - 17 March 2017, pp.560-561
- XXIX. Performance evaluation of the WRF Model for the New European Wind Atlas Project of Turkey**
 Sayıta M., Yılmaz E., Göktepe N., Menteş Ş. S., Ezber Y., Ünal Y., Topçu H. S.
 6th International Conference on Meteorology and Climatology of the Mediterranean, Zagreb, Croatia, 20 - 22 February 2017, vol.1, no.1, pp.152
- XXX. Seçilen iki plot alan için WRF modeli ile rüzgar potansiyelinin tahmini ve duyarlılık analizi**
 Altun Ş. B., Menteş Ş. S., Ezber Y., Çal A., Ünal Y., Topçu H. S., Yılmaz E.
 10th International Clean Energy Symposium, İstanbul, Turkey, 24 - 26 October 2016, pp.1
- XXXI. Prediction of wind potential by using WRF Model for selected two pilot area and sensitivity analysis**
 Çal A., Kalay Y., Menteş Ş. S., Ezber Y., Ünal Y., Yılmaz E., Sayıta M., Göktepe N., Topçu H. S.
 10th International Clean Energy Symposium, İstanbul, Turkey, 24 - 26 October 2016, vol.1, no.1, pp.954-964
- XXXII. Seçilen iki plot alandaki rüzgar potansiyelinin tahmini için mezo ve mikro ölçek modelzincirine ait simülasyonların gözlem değerleri ile karşılaştırılması**
 Çal A., Kalay Y., Menteş Ş. S., Ezber Y., Ünal Y., Yılmaz E., Sayıta M., Göktepe N., Topçu H. S.
 10th International Clean Energy Symposium, İstanbul, Turkey, 24 - 26 October 2016, pp.954-964
- XXXIII. Seçilen İki Pilot Alandaki Rüzgar Potansiyelinin Tahmini için Mezo ve Mikro Ölçek Model Zincirlerine Ait Simülasyonların Gözlem Değerleri ile Karşılaştırılması**
 çal a., kalay y., MENTEŞ Ş. S., EZBER Y., ÜNAL Y., yılmaz e., sayıta m., göktepe n., TOPÇU H. S.
 10th International Clean Energy Symposium 2016, İstanbul, Turkey, 24 - 26 October 2016, pp.954-964
- XXXIV. SEÇİLEN İKİ PLOT ALAN İÇİN WRF MODELİ İLE RÜZGAR POTANSİYELİNİNTAHMİNİ VE DUYARLILIK ANALİZİ**
 altun ş. b., MENTEŞ Ş. S., EZBER Y., çal a., ÜNAL Y., TOPÇU H. S., yılmaz e.
 UTES 2016, 24 - 26 October 2016
- XXXV. SEÇİLEN İKİ PİLOT ALANDAKİ RÜZGAR POTANSİYELİNİN TAHMİNİ İÇİNMEZO VE MİKRO ÖLÇEK MODEL ZİNCİRLERİNE AİT SİMÜLASYONLARINGÖZLEM DEĞERLERİ İLE KARŞILAŞTIRILMASI**
 çal a., kalay y., MENTEŞ Ş. S., EZBER Y., ÜNAL Y., yılmaz e., sayıta m., göktepe n., TOPÇU H. S.
 UTES 2016, 24 - 26 October 2016
- XXXVI. Effect of East Asian Trough on the temperature patterns in the Euro-Mediterranean region in the early spring and the extreme case of the year 2004**
 Ezber Y., Şen Ö. L., Bozkurt D.
 MedCLIVAR 2016, Atina, Greece, 21 - 30 September 2016, pp.1
- XXXVII. WRF's wind power ensembles for a wind farm located in a coastal area of Turkey**
 Kirkil G., Ezber Y., Kaytancı T.
 EGU General Assembly 2015, Viyana, Austria, 12 - 17 April 2015, pp.1
- XXXVIII. The performance evaluation of the WRF Model for Short Term Wind Energy Prediction System for Turkey**
 Tan E., Menteş Ş. S., Ünal E., Topçu H. S., Ünal Y., Ezber Y., Yılmaz E., Sayıta F. M., Göktepe N.
 EWEA Wind Power Forecasting Workshop, Rotterdam, Netherlands, 3 - 04 December 2013, pp.25
- XXXIX. Investigation of Local Flow Features in Istanbul via High Resolution Atmospheric Simulations**

- Ezber Y., Karaca M., Şen Ö. L., Boybeyi Z.
EGU 2012 General Assembly, Vienna, Austria, 22 - 27 April 2012, pp.1
- XL. Investigation of Air Flow Characteristics in Istanbul Using Omega Model**
Ezber Y., Şen Ö. L., Boybeyi Z., Karaca M.
Ninth Symposium on the Urban Environment, Keystone, United States Of America, 2 - 06 August 2010, pp.1
- XLI. The Meteorological Interpretation of The Refractive Index Variations Within The 10m Altitude In 1999 Summer And Autumn**
MENTEŞ Ş. S., ÜNAL Y., EZBER Y., BORHAN Y.
EGS, 30 April 2000

Other Publications

- I. Report on WRF model sensitivity studies and specifications for the mesoscale wind atlas production runs (NEWA Deliverable 4.3)**
Witha., Hahmann A., Sile T., Dörenkämper, M., Ezber Y., García-Bustamante E., González-Rouco F. J., Leroy G., Navarro J.
Technical Report, pp.1-73, 2019

Supported Projects

- Topcu H. S., YILMAZ E., Buğday G., Kaytancı T., Menteş Ş. S., Ünal Y., Demirhan Barış D., Ezber Y., Project Supported by Higher Education Institutions, Türkiye'nin Batı Kıyılarındaki Rüzgar Potansiyeline Meltem Rüzgarlarının Etkisinin Araştırılması ve Modellenmesi, 2017 - 2020
- Ezber Y., Şen Ö. L., AKAY S. S., Project Supported by Higher Education Institutions, İstanbul'u etkileyen sis hadisesinin atmosfer modeli yardımı ile çalışılması, 2017 - 2020
- Ezber Y., Project Supported by Higher Education Institutions, Effect of East Asian Trough on the Temperature Patterns in the Euro-Mediterranean Region in the Early Spring and the Extreme Case of the Year 2004, 2016 - 2018
- Ezber Y., Project Supported by Higher Education Institutions, WRF's Wind Power Ensembles For A Wind Farm Located in A Coastal Area Of Turkey, 2014 - 2018
- Ezber Y., Project Supported by Higher Education Institutions, yüksek Çözünürlüklü Atmosfer Simülasyonları Yardımı ile İstanbul'daki Yerel Akış Özelliklerinin İncelenmesi, 2012 - 2018
- Ezber Y., Project Supported by Higher Education Institutions, OMEGA MODEL KULLANARAK İSTANBULDAKİ HAVA AKIŞ KARAKTERİSTİKLERİİNİN İNCELENMESİ, 2010 - 2018

Metrics

- Publication: 58
Citation (WoS): 132
Citation (Scopus): 160
H-Index (WoS): 6
H-Index (Scopus): 6

Congress and Symposium Activities

- TÜRKİYE'DE YAĞIŞ MEVSİMSELLİĞİ VE GELECEKTEKİ DEĞİŞİMİ, Attendee, İstanbul, Turkey, 2017
Seçilen iki plot alan için WRF modeli ile rüzgar potansiyelinin tahmini ve duyarlılık analiz, Attendee, İstanbul, Turkey, 2016
Seçilen iki plot alandaki rüzgar potansiyelinin tahmini için mezo ve mikro ölçek model zincirine ait simülasyonların

gözlem değerleri ile karşılaştırılması, Attendee, Turkey, 2016

Effect of East Asian Trough on the temperature patterns in the Euro-Mediterranean region in the early spring and the extreme case of the year 2004, Attendee, Athína, Greece, 2016

WRF's wind power ensembles for a wind farm located in a coastal area of Turkey, Attendee, Leeds, United Kingdom, 2015

WRF's wind power ensembles for a wind farm located in a coastal area of Turkey, Attendee, Wien, Austria, 2015

Investigation of Local Flow Features in Istanbul via High Resolution Atmospheric Simulations, Attendee, Wien, Austria, 2012

Investigation of Air Flow Characteristics in Istanbul Using Omega Model, Attendee, Colorado, United States Of America, 2010

Mesoscale Transport and Dispersion Uncertainty Assessment using Machine Learning, Attendee, Virginia, United States Of America, 2007

A Risk Assessment Study for the Strait of Istanbul, Attendee, Virginia, United States Of America, 2007

A Risk Assessment Study for the City of Istanbul, Attendee, Virginia, United States Of America, 2006

Unplanned Urbanization and Climate: Example of Istanbul, Attendee, İstanbul, Turkey, 2005

Detecting Climate Change in the Coastal Zone of the Black Sea Region of Turkey, Attendee, Constanta, Romania, 2004

North Atlantic Oscillation: Comparision of two extreme years, Attendee, İstanbul, Turkey, 2003

The meteorological interpretation of The Refractive Index Variations within the 10m altitude in 1999 Summer and Autumn", Attendee, Nice, France, 2000