

## Res. Asst. PhD GİZEM TUNA TUYGUN

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AAR-7635-2020

Yoksis Researcher ID: 222749

### Education Information

Doctorate, Dokuz Eylul University, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, Turkey 2015 - 2021

Postgraduate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Çevre Mühendisliği (YI) (Tezli), Turkey 2012 - 2015

Undergraduate, Dokuz Eylul University, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, Turkey 2008 - 2012

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Development of a regional-scale prediction method for ground level particulate matter concentrations based on aod from different satellites in Turkey, Dokuz Eylul University, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, 2021

Postgraduate, Determination of ambient air quality by using a Gaussian dispersion model in Canakkale, Turkey, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Çevre Mühendisliği (YI) (Tezli), 2015

### Research Areas

Environmental Modeling, Air Pollution and Control, Air Pollution Monitoring, Air Pollution Modeling, Effects of Air Pollution, Engineering and Technology

### Academic Titles / Tasks

Research Assistant PhD, Dokuz Eylul University, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, 2014 - Continues

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

- Comparative analysis of CAMS aerosol optical depth data and AERONET observations in the Eastern Mediterranean over 19 years**  
TUNA TUYGUN G., ELBİR T.

Environmental Science and Pollution Research, 2024 (SCI-Expanded)

- II. **Estimation of particulate matter concentrations in Turkiye using a random forest model based on satellite AOD retrievals**  
TUNA TUYGUN G., ELBİR T.  
STOCHASTIC ENVIRONMENTAL RESEARCH AND RISK ASSESSMENT, no.9, pp.3469-3491, 2023 (SCI-Expanded)
- III. **Development of an emission estimation method with satellite observations for significant forest fires and comparison with global fire emission inventories: Application to catastrophic fires of summer 2021 over the Eastern Mediterranean**  
BİLGİÇ E., TUNA TUYGUN G., GÜNDÜZ O.  
Atmospheric Environment, vol.308, 2023 (SCI-Expanded)
- IV. **Long-term spatiotemporal variation in atmospheric aerosol properties over Turkiye based on MERRA-2 reanalysis data: aerosol classification based on city type**  
Tuygun G., ELBİR T.  
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, 2023 (SCI-Expanded)
- V. **Long-term spatial-temporal monitoring of eutrophication in Lake Burdur using remote sensing data**  
Tuygun G., Salgut S., Elçi A.  
WATER SCIENCE AND TECHNOLOGY, vol.2023113, pp.1-11, 2023 (SCI-Expanded)
- VI. **Estimating daily PM<sub>2.5</sub> concentrations using an extreme gradient boosting model based on VIIRS aerosol products over southeastern Europe**  
Gündoğdu S., Tuna Tuygun G., Li Z., Wei J., Elbir T.  
AIR QUALITY ATMOSPHERE AND HEALTH, vol.15, no.12, pp.2185-2198, 2022 (SCI-Expanded)
- VII. **Calibrating MERRA-2 PM<sub>2.5</sub> concentrations with aerosol diagnostics: testing different machine learning approaches in the Eastern Mediterranean**  
Tuna Tuygun G., Gündoğdu S., Elbir T.  
AIR QUALITY, ATMOSPHERE AND HEALTH, vol.15, no.12, pp.2283-2297, 2022 (SCI-Expanded)
- VIII. **Estimation of ground-level particulate matter concentrations based on synergistic use of MODIS, MERRA-2 and AERONET AODs over a coastal site in the Eastern Mediterranean**  
Tuna Tuygun G., Gündoğdu S., Elbir T.  
Atmospheric Environment, vol.261, 2021 (SCI-Expanded)
- IX. **Long-term temporal analysis of the columnar and surface aerosol relationship with planetary boundary layer height at a southern coastal site of Turkey**  
TUNA TUYGUN G., ELBİR T.  
ATMOSPHERIC POLLUTION RESEARCH, vol.11, no.12, pp.2259-2269, 2020 (SCI-Expanded)
- X. **Evaluation of MODIS C6 and C6.1 Dark Target AOD products over Turkey based on NDVI and aerosol type**  
TUNA TUYGUN G., ÖZDEMİR E., ELBİR T.  
ATMOSPHERIC POLLUTION RESEARCH, vol.11, no.12, pp.2335-2349, 2020 (SCI-Expanded)
- XI. **A comprehensive assessment of ambient air quality in Canakkale city: Emission inventory, air quality monitoring, source apportionment, and respiratory health indicators**  
MENTEŞE S., Mirici N. A., ELBİR T., TUNA TUYGUN G., BAKAR C., OTKUN M., Oymak S.  
ATMOSPHERIC POLLUTION RESEARCH, vol.11, no.12, pp.2282-2296, 2020 (SCI-Expanded)
- XII. **Application of aerosol classification methods based on AERONET version 3 product over eastern Mediterranean and Black Sea**  
ÖZDEMİR E., TUNA TUYGUN G., ELBİR T.  
ATMOSPHERIC POLLUTION RESEARCH, vol.11, no.12, pp.2226-2243, 2020 (SCI-Expanded)
- XIII. **The effect of environmental regulations on air quality: A long-term trend analysis of SO<sub>2</sub> and NO<sub>2</sub> in the largest urban agglomeration in southwest China**  
Zhao P., TUNA TUYGUN G., Li Bolan L. B., Liu J., Yuan L., Luo Y., Xiao H., Zhou Y.  
ATMOSPHERIC POLLUTION RESEARCH, vol.10, no.6, pp.2030-2039, 2019 (SCI-Expanded)
- XIV. **Modeling of air pollutant concentrations in an industrial region of Turkey**  
TUNA TUYGUN G., ALTUĞ H., ELBİR T., GAGA E. E.

- ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.24, no.9, pp.8230-8241, 2017 (SCI-Expanded)
- XV. **An integrative approach for determination of air pollution and its health effects in a coal fired power plant area by passive sampling**  
Artun G. K., Polat N., Yay O. D., Özden Üzmez Ö., Ari A., Tuna Tuygun G., Elbir T., Altuğ H., Dumanoğlu Y., Döğeroğlu T., et al.  
ATMOSPHERIC ENVIRONMENT, vol.150, pp.331-345, 2017 (SCI-Expanded)
- XVI. **Investigation of spatial distributions and sources of persistent organic pollutants (POPs) in a heavily polluted industrial region using tree components**  
ODABAŞI M., DUMANOĞLU Y., Falay E. O., Tuna G., ALTIOK H., KARA M., BAYRAM A., Tolunay D., ELBİR T.  
CHEMOSPHERE, vol.160, pp.114-125, 2016 (SCI-Expanded)
- XVII. **Investigation of spatial and historical variations of air pollution around an industrial region using trace and macro elements in tree components**  
ODABAŞI M., Tolunay D., KARA M., Falay E. O., Tuna G., ALTIOK H., DUMANOĞLU Y., BAYRAM A., ELBİR T.  
SCIENCE OF THE TOTAL ENVIRONMENT, vol.550, pp.1010-1021, 2016 (SCI-Expanded)
- XVIII. **Biomonitoring the Spatial and Historical Variations of Persistent Organic Pollutants (POPs) in an Industrial Region**  
ODABAŞI M., Falay E. O., Tuna G., ALTIOK H., KARA M., DUMANOĞLU Y., BAYRAM A., Tolunay D., ELBİR T.  
ENVIRONMENTAL SCIENCE & TECHNOLOGY, vol.49, no.4, pp.2105-2114, 2015 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Türkiye’de 2021 Yılında Yaşanan Büyük Orman Yangınlarında Yanan Orman Alanlarının ve Yangın Kaynaklı Atmosferik Aerosollerin Uydular ile İzlenmesi**  
Tuna Tuygun G., İşsever G., Elbir T.  
Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, vol.25, no.74, pp.351-369, 2023 (Peer-Reviewed Journal)
- II. **Temporal and Spatial Variation of Aerosol Optical Depth Data from Sun Photometers in Turkey and its Surroundings**  
Tezcan E., Karshoğlu S., Tuna Tuygun G., Elbir T.  
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.10, no.3, pp.1241-1254, 2022 (Peer-Reviewed Journal)
- III. **Türkiye’de Terra ve Aqua MODIS Uydularından Elde Edilen Aerosol Optik Derinliğinin Değişimi**  
Karshoğlu S., Tezcan E., TUNA TUYGUN G., ELBİR T.  
Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, vol.24, no.70, pp.303-316, 2022 (Peer-Reviewed Journal)
- IV. **Türkiye’de 1988-2017 Yılları Arasında Gerçekleşen Orman Yangınlarından Kaynaklanan Hava Kirlenici Emisyonların Envanteri**  
Zafer N., TUNA TUYGUN G., ELBİR T.  
İklim Değişikliği ve Çevre, vol.4, no.2, pp.23-31, 2019 (Peer-Reviewed Journal)
- V. **Investigation of Atmospheric Pollution by Biomonitoring of Major and Trace Elements in an Industrial Region**  
KARA M., ODABAŞI M., DUMANOĞLU Y., ÖZGÜNERGE FALAY E., TUNA TUYGUN G., ALTIOK H., BAYRAM A., TOLUNAY D., ELBİR T.  
Journal of Environmental Science and Engineering Technology, vol.7, pp.16-25, 2019 (Peer-Reviewed Journal)
- VI. **Aliağa’da yeni enerji yatırımlarının bölge hava kalitesine getireceği yüklerin belirlenmesi**  
Kahraman B., TUNA TUYGUN G., ELBİR T.  
Hava Kirliliği Araştırmaları Dergisi, 2014 (Peer-Reviewed Journal)
- VII. **İzmir Kadifekale Bölgesi’nde kentsel dönüşüm öncesi ve sonrası hava kalitesinin belirlenmesi**  
Demir A., Tuna Tuygun G., Elbir T.  
Hava Kirliliği Araştırmaları Dergisi, vol.3, pp.68-75, 2014 (Peer-Reviewed Journal)
- VIII. **Kanal İstanbul projesi sonrası İstanbul’da gemi trafiğinden kaynaklanan hava kalitesinde beklenen**

## **değişimlerin incelenmesi**

TUNA TUYGUN G., ELBİR T.

Hava Kirliliği Araştırmaları Dergisi, 2013 (Peer-Reviewed Journal)

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **Assessment of PM<sub>2.5</sub> Concentrations over major cities of Türkiye based on MERRA-2 Reanalysis Datasets**  
Tuna Tuygun G.  
6th Euro Mediterranean Conference for Environmental Integration, Marrakush, Morocco, 15 - 18 May 2024
- II. **Spatial and Temporal Variability in Atmospheric Aerosol Properties over Turkey based on 40-year (1980-2019) MERRA-2 Reanalysis Data**  
Tuna Tuygun G., Tezcan E., Elbir T.  
The 4th Euro-Mediterranean Conference for Environmental Integration (EMCEI-2022), Susah, Tunisia, 1 - 04 November 2022, pp.1-4
- III. **LONG-TERM SPATIAL-TEMPORAL MONITORING OF EUTROPHICATION IN LAKE BURDUR USING REMOTE SENSING DATA**  
Salgut S., Tuna Tuygun G., Elçi A.  
IWA DIPCON 2022 4th Regional Conference on Diffuse Pollution & Eutrophication, İstanbul, Turkey, 24 - 28 October 2022, pp.324-332
- IV. **Determination of Air Pollution from Wildfires with Satellite Observations**  
BİLGİÇ E., TUNA TUYGUN G., GÜNDÜZ O.  
International Symposium on Remote Sensing in Meteorology, İstanbul, Turkey, 01 December 2021
- V. **ESTIMATING INTRA-DAILY PM<sub>10</sub> CONCENTRATIONS OVER THE NORTH-WESTERN REGION OF TURKEY BASED ON MODIS AOD USING RANDOM FOREST APPROACH**  
TUNA TUYGUN G., ELBİR T.  
4th International Conference on Atmospheric Dust, Monopoli, Italy, 4 - 07 October 2021
- VI. **ESTIMATION OF GROUND-LEVEL PM<sub>2.5</sub> CONCENTRATIONS WITH MERRA-2 AEROSOL DIAGNOSTICS OVER THE NORTHWESTERN REGION OF TURKEY**  
Tuna Tuygun G., Gündoğdu S., Elbir T.  
IV INTERNATIONAL CONFERENCE ON ATMOSPHERIC DUST, Bari, Italy, 4 - 07 October 2021
- VII. **An Integrated Analysis of Dust Transport over Turkey**  
BİLGİÇ E., TUNA TUYGUN G., GÜNDÜZ O.  
18th World Clean Air Congress (WCAC), İstanbul, Turkey, 23 - 27 September 2019, pp.146-159
- VIII. **Spatial and temporal variation of AERONET aerosol optical depth over Turkey and its surrounding**  
ÖZDEMİR E., TUNA TUYGUN G., ÜNSALAN F., ELBİR T.  
18th World Clean Air Congress 2019, İstanbul, Turkey, 23 - 27 September 2019, pp.635-646
- IX. **Comparison of MODIS collection 6.1 and 6 aerosol optical depth based on finer resolution dark target dataset over Turkey**  
TUNA TUYGUN G., ÖZDEMİR E., ELBİR T.  
18th World Clean Air Congress 2019, İstanbul, Turkey, 23 - 27 September 2019, pp.764-777
- X. **Linkage among ambient air quality measurements, air quality models, and respiratory symptoms and diseases in different locations of Canakkale, Turkey**  
MENTEŞE S., MİRİCİ N. A., ELBİR T., TUNA TUYGUN G., BAKAR C., OYMAK S., OTKUN M.  
18th World Clean Air Congress 2019, İstanbul, Turkey, 23 - 27 September 2019, pp.576-581
- XI. **Long-term analysis of the columnar-surface aerosol relationship with planetary boundary layer height at southern coastal site of Turkey**  
TUNA TUYGUN G., ELBİR T.  
18th World Clean Air Congress 2019, İstanbul, Turkey, 23 - 27 September 2019, pp.172-183
- XII. **Contribution of thermal power plants to regional air quality in a northern coastal region of Turkey:**

**current and future thermal power plant**

Gülmüş M., TUNA TUYGUN G., ELBİR T.

3th International Conference on Civil and Environmental Engineering, Çeşme-İzmir, Turkey, 24 - 27 April 2018

- XIII. **Determination of Air Quality from Marine Emissions on a New Waterway in Istanbul, Turkey**  
Ozdemir E., TUNA TUYGUN G., ELBİR T.  
11th International Conference on Air Quality Science Application, Barcelona, Spain, 12 March 2018
- XIV. **Estimation Of Air Quality Levels From The Third Airport In The City Of Istanbul**  
TUNA G., ELBİR T.  
35th International Technical Meeting on Air Pollution Modeling and its Application, 3 - 07 October 2016
- XV. **Determination Of Ambient Air Quality By Using A Gaussian dispersion Model In Northeast Part of Turkey**  
TUNA G., ELBİR T., MENTEŞE S.  
35th International Technical Meeting on Air Pollution Modeling and its Application, 3 - 07 October 2016
- XVI. **Application of AERMOD for determination of air quality in an industrial region Turkey**  
TUNA G., ALTUĞ H., GAGA E. E., ELBİR T.  
10th International Conference on Air Quality Science and Application, 14 - 18 March 2016
- XVII. **Bir Gaussian Dispersiyon Modeli ile Çanakkale'de Hava Kalitesi Seviyelerinin Belirlenmesi**  
Tuna Tuygun G., Elbir T., Menteşe S.  
6.Ulusal Hava Kirliliği ve Kontrolü Sempozyumu, İzmir, Turkey, 7 - 09 October 2015
- XVIII. **Kütahya'da Hava Kalitesi Belirleme Çalışmaları: Emisyon Envanteri ve Hava Kalitesi Modelleme**  
TUNA TUYGUN G., ALTUĞ H., ELBİR T., GAGA E. E.  
6.Ulusal Hava Kirliliği ve Kontrolü Sempozyumu, İzmir, Turkey, 7 - 09 October 2015
- XIX. **İzmir-Kadifekale bölgesinde kentsel dönüşüm öncesi ve sonrası hava kalitesinin belirlenmesi**  
Demir A., TUNA TUYGUN G., ELBİR T.  
2nd International Sustainable Buildings Symposium, 28 - 30 May 2015
- XX. **Determination of historical variations of PBDEs in an industrial region using tree cores**  
ODABAŞI M., DUMANOĞLU Y., Falay Ozgunerge E., TUNA TUYGUN G., ALTIOK H., KARA M., BAYRAM A., TOLUNAY D., ELBİR T.  
34th International Symposium on Halogenated Persistent Organic Pollutants, 31 August - 05 September 2014
- XXI. **Biomonitoring the spatial variations of PCBs and PBDEs in an industrial region**  
DUMANOĞLU Y., Falay Ozgunerge E., TUNA TUYGUN G., ALTIOK H., KARA M., BAYRAM A., TOLUNAY D., ELBİR T., ODABAŞI M.  
34th International Symposium on Halogenated Persistent Organic Pollutants, 31 August - 05 September 2014
- XXII. **Polisiklik Aromatik Hidrokarbonların (PAH) İskenderun Sanayi Bölgesi'nde Dış Hava, Toprak, Ölü Örtü ve Ağaç Bileşenlerindeki Mekansal Dağılımı**  
Falay Ozgunerge E., TUNA TUYGUN G., ALTIOK H., KARA M., DUMANOĞLU Y., BAYRAM A., TOLUNAY D., ELBİR T., ODABAŞI M.  
Uluslararası Katılımlı V.Hava Kirliliği ve Kontrolü Sempozyumu, Turkey, 18 - 20 September 2013
- XXIII. **Ağaç Bileşenlerinde Ölçülen İz Elementler Yardımıyla Endüstriyel Bölgelerdeki Hava Kirliliğinin Tarihsel ve Mekansal Değişiminin Belirlenmesi**  
KARA M., Falay Ozgunerge E., TUNA TUYGUN G., ALTIOK H., DUMANOĞLU Y., BAYRAM A., TOLUNAY D., ELBİR T., ODABAŞI M.  
Uluslararası Katılımlı V.Hava Kirliliği ve Kontrolü Sempozyumu, Turkey, 18 - 20 September 2013
- XXIV. **İki Farklı Sanayi Bölgesindeki Hava Kirliliğinin Mekansal Değişiminin Toprak, Hava ve Ağaç Bileşenlerindeki Poliklorlu Bifeniller (PCB'ler) Açısından İncelenmesi**  
DUMANOĞLU Y., Falay Ozgunerge E., TUNA TUYGUN G., ALTIOK H., KARA M., BAYRAM A., TOLUNAY D., ELBİR T., ODABAŞI M.  
Uluslararası Katılımlı V.Hava Kirliliği ve Kontrolü Sempozyumu, Turkey, 18 - 20 September 2013
- XXV. **Kütahya Bölgesindeki Termik Santrallerin Hava Kalitesine Katkılarının Belirlenmesi**  
Özkan M., TUNA TUYGUN G., ALTUĞ H., ELBİR T., GAGA E. E.  
Uluslararası Katılımlı V.Hava Kirliliği ve Kontrolü Sempozyumu, Turkey, 18 - 20 September 2013

- XXVI. **BİR ENDÜSTRİYEL BÖLGEDEKİ HAVA KİRLİLİĞİNİN MEKANSAL DAĞILIMININ AĞAÇ BİLEŞENLERİNDEKİ İZ ELEMENTLER YARDIMIYLA İNCELENMESİ**  
TUNA TUYGUN G., ÖZGÜNERGE FALAY E., ALTIOK H., KARA M., DUMANOĞLU Y., BAYRAM A., TOLUNAY D., ELBİR T., ODABAŞI M.  
V.HAVA KİRLİLİĞİ VE KONTROLÜ SEMPOZYUMU (HKK2013), Eskişehir, Turkey, 18 - 20 September 2013, pp.705-716
- XXVII. **AĞAÇ BİLEŞENLERİNDE ÖLÇÜLEN İZ ELEMENTLER YARDIMIYLA ENDÜSTRİYEL BÖLGELERDEKİ HAVA KİRLİLİĞİNİN TARİHSEL VE MEKÂNSAL DEĞİŞİMİNİN BELİRLENMESİ**  
KARA M., ÖZGÜNERGE FALAY E., TUNA TUYGUN G., ALTIOK H., DUMANOĞLU Y., BAYRAM A., TOLUNAY D., ELBİR T., ODABAŞI M.  
V.HAVA KİRLİLİĞİ VE KONTROLÜ SEMPOZYUMU (HKK2013), Eskişehir, Turkey, 18 - 20 September 2013, pp.254-269
- XXVIII. **POLİSİKLİK AROMATİK HİDROKARBONLARIN (PAH) İSKENDERUN SANAYİ BÖLGESİ'NDE DIŞ HAVA, TOPRAK, ÖLÜ ÖRTÜ VE AĞAÇ BİLEŞENLERİNDEKİ MEKANSAL DAĞILIMI**  
ÖZGÜNERGE FALAY E., TUNA TUYGUN G., ALTIOK H., KARA M., DUMANOĞLU Y., BAYRAM A., TOLUNAY D., ELBİR T., ODABAŞI M.  
V.HAVA KİRLİLİĞİ VE KONTROLÜ SEMPOZYUMU (HKK2013), Eskişehir, Turkey, 18 - 20 September 2013, pp.180-188
- XXIX. **Investigation of spatial variation of air pollution around two industrial regions using polychlorinated biphenyls (PCBs) in soil, air and tree components**  
DUMANOĞLU Y., Falay Ozgunerge E., TUNA TUYGUN G., ALTIOK H., KARA M., BAYRAM A., TOLUNAY D., ELBİR T., ODABAŞI M.  
Fourth International Conference on Environmental Management, Engineering, Planning and Economics, 24 - 28 June 2013
- XXX. **Investigation of spatial and historical variation of air pollution around two industrial regions using trace elements measured in tree components**  
KARA M., Falay Ozgunerge E., TUNA TUYGUN G., ALTIOK H., DUMANOĞLU Y., BAYRAM A., TOLUNAY D., ELBİR T., ODABAŞI M.  
12th International Conference on ASAAQ, 3 - 05 June 2013
- XXXI. **Investigation of spatial variation of air pollution around two industrial regions using polychlorinated biphenyls (PCBs) in soil, air and tree components**  
DUMANOĞLU Y., ÖZGÜNERGE FALAY E., TUNA TUYGUN G., ALTIOK H., KARA M., BAYRAM A., TOLUNAY D., ELBİR T., ODABAŞI M.  
Fourth International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2013) and SECOTOX Conference, Mikanos, Greece, 24 - 28 June 2013, pp.178
- XXXII. **Spatial variation of polycyclic aromatic hydrocarbons (PAHs) in air, soil and tree components in Iskenderun industrial region, Turkey**  
Falay Ozgunerge E., TUNA TUYGUN G., ALTIOK H., KARA M., DUMANOĞLU Y., BAYRAM A., TOLUNAY D., ELBİR T., ODABAŞI M.  
Proceedings of 2nd International Multi-Conference on Management, Chemical, Environment and Medical Sciences, 13 - 14 March 2013
- XXXIII. **Investigation of spatial variation of air pollution around an industrial region using trace elements in tree components**  
TUNA TUYGUN G., Falay Ozgunerge E., ALTIOK H., KARA M., DUMANOĞLU Y., BAYRAM A., TOLUNAY D., ELBİR T., ODABAŞI M.  
Proceedings of 2nd International Multi-Conference on Management, Chemical, Environment and Medical Sciences, 13 - 14 March 2013

## Supported Projects

Tuna Tuygun G., Elbir T., Dumanoglu Y., Bayram A., Kara M., Altok H., Project Supported by Other Official Institutions, Bazı Tesis ve Faaliyetlerden Kaynaklanan Hava Kirlenici Emisyonların Kontrolü Projesi, 2021 - 2022  
Elbir T., TUBITAK Project, Türkiye için MODIS Uydusundan Elde Edilen Aerosol Optik Derinliği Verisinin Zamansal ve Mekansal Değişiminin Belirlenmesi, 2019 - 2021  
Elbir T., Bayram A., Dumanoglu Y., Kara M., Tuna Tuygun G., Altok H., YAMAN B., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Sanayiden Kaynaklanan Hava Kirliliğinin Belirlenmesi ve Azaltılmasına Yönelik Uygulamanın Kolaylaştırılmasının Sağlanması Projesi, 2017 - 2020  
Dumanoglu Y., Odabaşı M., Elbir T., Gaga E. E., TUBITAK Project, Kütahya da Hava Kalitesi Belirleme Çalışmaları Kaynakların Tespiti Ölçümler ve Sağlık Riski Analizi, 2013 - 2016  
Odabaşı M., TUBITAK Project, Ağaç Bileşenlerindeki Kalıcı Toksik Organik Kirleniciler (POP'lar) ve İz Elementler Yardımıyla Endüstriyel Bölgelerdeki Hava Kirliliğinin Mekansal ve Tarihsel Değişiminin İncelenmesi, 2010 - 2013

## Scientific Refereeing

WATER SCIENCE AND TECHNOLOGY, SCI Journal, January 2023  
Karaelmas Fen ve Mühendislik Dergisi, National Scientific Refreed Journal, December 2022  
THE SCIENCE OF THE TOTAL ENVIRONMENT AN INTERNATIONAL JOURNAL FOR SCIENTIFIC RESEARCH INTO THE ENVIRONMENT AND ITS RELATIONSHIP WITH MAN, SCI Journal, December 2022  
ATMOSPHERIC POLLUTION RESEARCH, SCI Journal, March 2022  
ATMOSPHERE, SCI Journal, February 2022  
ATMOSPHERE, SCI Journal, December 2021  
ATMOSPHERE, SCI Journal, November 2021  
ATMOSPHERIC POLLUTION RESEARCH, SCI Journal, October 2021  
JOURNAL OF ENVIRONMENTAL MANAGEMENT, SCI Journal, August 2021  
ATMOSPHERIC POLLUTION RESEARCH, SCI Journal, March 2021  
ATMOSPHERIC POLLUTION RESEARCH, SCI Journal, June 2020  
JOURNAL OF CLEANER PRODUCTION, SCI Journal, February 2020

## Metrics

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H-Index (Scopus): 10