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**EDUCATION**

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- January 2002– January 2009**      **Middle East Technical University, Ankara, Turkey**  
Ph.D.on B.Sc. in Environmental Engineering
- September 1997–June 2001**      **Middle East Technical University, Ankara, Turkey**  
B.Sc. in Environmental Engineering
- September 1996-June 1997**      **Middle East Technical University, Ankara, Turkey**  
English Preparatory School

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**RESEARCH EXPERIENCE**

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- September 2024- Onwards**      Boğaziçi University  
Institute of Environmental Sciences, İstanbul, Turkey  
**Full Time Profesör**
- October 2023-September 2024**      Bolu Abant İzzet Baysal University (BAIBU)  
Faculty of Engineering and Architecture  
Environmental Engineering Department, Bolu, Turkey  
**Full Time Profesör**
- March 2018-October 2023**      Bolu Abant İzzet Baysal University (BAIBU)  
Faculty of Engineering and Architecture  
Environmental Engineering Department, Bolu, Turkey  
**Associate Profesör**
- September 2009-March 2018**      Abant İzzet Baysal University (AIBU)  
Faculty of Engineering and Architecture  
Environmental Engineering Department, Bolu, Turkey  
**Assistant Profesör**
- December 2010-February 2012**      National Oceanic and Atmospheric Administration (NOAA)  
Earth Sciences Research Laboratory (ESRL)  
Chemical Sciences Division (CSD), Colorado, USA  
**Postdoctoral Research Associate, Fellow of The Scientific and Technological Research Council of Turkey**
- January 2002-January 2009**      Middle East Technical University  
Environmental Engineering Department Ankara, Turkey  
**Teaching Assistant**
- September 2006- November 2007**      University of Maryland

Chemistry and Biochemistry Department, Maryland, USA  
**Research Assistant, Fellow of The Scientific and Technological  
Research Council of Turkey**

## RESEARCH INTEREST

- Air Pollution and Control
- Atmospheric Chemistry (particularly aerosol chemistry)
- Environmental Chemistry
- Health Impacts of Indoor and Ambient Pollution
- Source Apportionment of Air Pollutants using Receptor and Source Oriented Models

## TEACHING EXPERIENCE

<b>September 2024-Onwards</b>	Boğaziçi University Institute of Environmental Sciences, İstanbul, Turkey <b>Full Time Profesör</b>
<b>October 2023-September 2024-</b>	Bolu Abant İzzet Baysal University (AIBU) Faculty of Engineering and Architecture Environmental Engineering Department, Bolu, Turkey <b>Full Time Profesör</b>
<b>March 2018-October 2023</b>	Bolu Abant İzzet Baysal University (AIBU) Faculty of Engineering and Architecture Environmental Engineering Department, Bolu, Turkey <b>Associate Profesör</b>
<b>September 2009-March 2018</b>	Abant İzzet Baysal University (AIBU) Faculty of Engineering and Architecture Environmental Engineering Department, Bolu, Turkey <b>Assistant Profesör</b>
<b>January 2002-January 2009</b>	Middle East Technical University Environmental Engineering Department Ankara, Turkey <b>Teaching Assistant</b>

## ADMINISTRATIVE RESPONSIBILITIES

<b>November 2019-September 2024</b>	Bolu Abant İzzet Baysal University (BAIBU) Project Support Office <b>Coordinator</b>
<b>November 2021-- September 2024</b>	Bolu Abant İzzet Baysal University (BAIBU) Environmental Coordination Office <b>Coordinator</b>
<b>May 2022-Onwards</b>	The Scientific and Technological Research Council of Türkiye (TÜBİTAK) International Cooperation Projects Research Support Group (UPAG) <b>Advisory Board Member</b>

### PROJECTS

#### Researcher

1. Investigation of Short and Long Term Trends in Eastern Mediterranean Aerosol Composition (**Funded By: State Planning Organization of Turkey, 2002–2006, Project Number: BAP-DPT-2002K–120510-DK4, Project Budget: 24,000 TL**)
2. Nitrogen, Aerosol Composition and Halogens on a Tall Tower (NACHTT) (**Funded By: National Oceanic and Atmospheric Administration (NOAA), February 2011-March 2011, Project Budget: 500, 000 USD**)
3. Determination of Levels and Sources of Inorganic and Organic Compounds Causing Air Pollution in the Heavily Industrial Region and its vicinity in Dilovası, Kocaeli (**Funded By: The Scientific and Technological Research Council of Turkey (TÜBİTAK)-COST, 2014-2016, Project Budget: 360,000 TL**)
4. Determination of size-segregated mass concentration and elemental compositions of particles emitted during cooking (**Funded By: NCC-METU BAP, 2014, Project Budget: 20,000 TL**)
5. Determination of Chemical Composition of PM Samples Collected at Urban and Semi-Urban Stations in Ankara (**Funded By: Hacettepe University Scientific Research Fund, 2016-2017, Project Budget: 25,000 TL**)
6. Identification of Particle Pollution Sources at Urban Areas in Turkey (**Funded By: Swiss National Foundation (SNF), July-August 2017, Project Budget: 8,000 CHF**)
7. Investigation of Air Quality in Bolu Atmosphere in terms of Bioaerosols (**Funded By: Abant İzzet Baysal University Scientific Research Fund, 2017-2018, Project Budget: 21,700 TL**)
8. Basin scale quantification of observed variations in surface water metabolism as a result of changes in carbon and nitrogen cycle dynamics over the plowland (**Funded By: The Scientific and Technological Research Council of Turkey (TÜBİTAK), 2017-2020, Project Budget: 497,493 TL**)
9. Determination of Health Cost Burden of Air Pollution over Turkey (**Funded By: Turkish Ministry of Health, 2017-2019**)
10. Quantification of Atmospheric Pollution from Old Motorvehicles over Turkey (**Funded By: Turkish Ministry of Environment and Urbanization, 2018-2019, Project Budget: 492,000 TL**)

11. Determination of Dust Transport Pathways & Natural Dust Contribution in Southern Regions of Turkey (**Funded By: The Scientific and Technological Research Council of Turkey (TÜBİTAK)-COST, 2020-2023, Project Duration: 36 months, Project Budget: 773,401 TL**)
12. Investigation of Chemical Characteristics, Pollution Sources and Source Regions of Particles in the Western Black Sea (**Funded By: The Scientific and Technological Research Council of Turkey (TÜBİTAK), 2022-2025, Project Duration: 36 months, Project Budget: 450,900 TL**)

### Principal Investigator

1. Sampling and Analysis of Organic Aerosols and Interpretation of Organic Data (**Funded By: The Scientific and Technological Research Council of Turkey (TÜBİTAK), 2010-2012, Project Budget: 24,000 \$**)
2. Investigation of Spatial and Temporal Variation of Gaseous and Particulate Pollutants in Bolu Atmosphere and their Source Apportionment by Using New Approach:Isotopic Composition (**Funded By: The Scientific and Technological Research Council of Turkey (TÜBİTAK), 2012-2015, Project Budget: 391,000 TL**)
3. TRANSMED-Istanbul (**TRANSport Emissions and Mitigation in the East MEDiterranean with a focus on Istanbul**) (**Funded By: The Scientific and Technological Research Council of Turkey (TÜBİTAK): Bilateral Cooperation with CNRS from France, 2013-2015, Project Budget:61,259 Euro, French Partner: Laboratoire Interuniversitaire des Systèmes Atmosphériques (LISA), Co-PI from France: Dr.Agnes Borbon, Co-PI from Turkey**)
4. Investigation of Chemical Composition of Particulate Matter with Respect to Particle Size in Bolu City Center (**Funded By: The Scientific and Technological Research Council of Turkey (TÜBİTAK), 2014-2015, Project Budget: 30,000 TL**)
5. Determination of Daily and Diurnal Variability in the Chemical Composition of PM<sub>2.5</sub> Samples (**Funded By: Abant İzzet Baysal University Scientific Research Fund, 2015-2016, Project Budget: 29,998 TL**)
6. Environmental Assessment of Soil Pollution in Mega-city Istanbul by Employing Multi-statistical Approaches (**Funded By: The Scientific and Technological Research Council of Turkey (TÜBİTAK), 2017-2018, Project Budget: 30,000 TL**)
7. Impact of Chemical Composition of PM on the Visibility Degradation in Bolu (**Funded By: The Scientific and Technological Research Council of Turkey (TÜBİTAK), 2019-2020, Project Budget: 45,000 TL**)
8. Determination of Levels and Species of Bioaerosols in Bolu Atmosphere and Investigation of Their Correlations with the PM Chemical Composition in terms of Public Health (**Funded By: The Scientific and Technological Research Council of Turkey (TÜBİTAK), 2020-2022, Project Duration: 36 months, Project Budget: 883,800 TL**)
9. Determination of Levels, Sources and Temporal Variations of Major Ions in Rainwater Samples Collected at Ten Sampling Sites Across Turkey (**Funded By: The Scientific and Technological Research Council of Turkey (TÜBİTAK), 2021-2022, Project Duration: 12 months, Project Budget: 42,000 TL**)
10. Air Pollution Sources and Determination of Measures Against Air Pollution (**Funded By: Turkish Ministry of Environment, Urbanization and Climate Change, 2021-2022, Project Duration:12 months, Project Budget:500,000 TL**)

11. Determination of Sources and Source Regions of Atmospheric Pollutants Affecting Arctic Ocean (Funded By: The Scientific and Technological Research Council of Turkey (TÜBİTAK), 2022-2024, Project Duration: 24 months, Project Budget: 198,000 TL)
12. First International Workshop on Atmospheric Chemistry: Sources and Impacts (Funded By: The Scientific and Technological Research Council of Turkey (TÜBİTAK), BİDEB, 2022, Budget: 100,000 TL)
13. Proposal Writing Training for Academicians (Funded By: The Scientific and Technological Research Council of Turkey (TÜBİTAK), BİDEB, 2022, Budget: 67,160 TL)

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**PUBLICATIONS**

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1. **Öztürk, F.**, Zararsız, A., Kırmaz, R., Tuncel, G. An approach to measure trace elements in particles collected on fiber filters using EDXRF, *Talanta* 83, 823-831, 2011
2. Varotsos, C., Ondov, J.M., Tzanis, C., **Öztürk, F.**, Nelson, M., Ke, H., Christodoulakis, J. An observational study of the atmospheric ultra-fine particle dynamics, *Atmospheric Environment* 59, 312-319, 2012
3. **Öztürk, F.**, Zararsız, A., Dutkiewicz, V.A., Husain, L., Hopke, P.K., Tuncel, G. Temporal Variations and Sources of Eastern Mediterranean Aerosols Based on 9-Year Long Observation, *Atmospheric Environment* 61, 463-475, 2012
4. Brown, S.S., Thornton, J., Keene, W., Pszenny, A., Sive, B., Dubé, W., Wagner, N., Young, C., Riedel, T., Roberts, J., VandenBoer, T., Bahreini, R., **Öztürk, F.**, Middlebrook, A.M., Kim, S., Hubler, G., Wolfe, D., Nitrogen, Aerosol Composition and Halogens on a Tall Tower (NACHTT): Overview of a Wintertime Air Chemistry Field Study in the Front Range Urban Corridor of Colorado, *Journal of Geophysical Research-Atmosphere* 118(14), 8067-8085, 2013
5. VandenBoer, T.C., Brown, S.S., Murphy, J.G., Keene, W.C., Young, C.J., Pszenny, A. A. P., Kim, S., Warneke, C., de Gouw, J.A., Maben, J.R., Wagner, N.L., Riedel, T.P., Thornton, J.A., Wolfe, D.E., P. Dubé, W.P., **Öztürk, F.**, Brock, C.A., Grossberg, N., Lefer, B., Lerner, B., Middlebrook, A.M., and Roberts, J.M., Understanding the role of the ground surface in HONO vertical structure: High resolution vertical profiles during NACHTT-11, *Journal of Geophysical Research-Atmosphere* 118(17), 10,155–10,171, 2013
6. Wagner, N. L., Riedel, T. P., Thornton, J. A., Dubé, W. P., Middlebrook, A., Sive, B., Brock, C., Young, C., **Öztürk, F.**, Bahreini, R., Russo, R., Zhou, Y., Swarthout, R., Kim, S., Brown, S. S., N<sub>2</sub>O<sub>5</sub> uptake coefficients determined from ambient wintertime measurements, *Journal of Geophysical Research-Atmosphere* 118(16), 9331–9350, 2013
7. Riedel, T., Wagner, N., Dubé, W., Middlebrook, A.M., Young, C., **Öztürk, F.**, Bahreini, R., VandenBoer, T., Wolfe, D., Williams, E., Roberts, J., Brown, S.S., Thornton, J., Chlorine activation

within urban or power plant plumes: vertically resolved CINO<sub>2</sub> and Cl<sub>2</sub> measurements from a tall tower in a polluted continental setting, *Journal of Geophysical Research-Atmosphere* 118(15), 8702–8715, 2013

8. **Öztürk, F.**, Bahreini, R., Wagner, N., Dubé, W., Young, C., Brown, S.S., Brock, C., Ulbrich, I.M., Jimenez, J.L., Cooper, O.R., Middlebrook, A.M., Vertically Resolved Chemical Characteristics and Sources of Sub-micron Aerosols in a Suburban Area near Denver, Colorado, in winter, *Journal of Geophysical Research-Atmosphere* 118(24), 13,591–13,605, 2013
9. Roberts, J., Veres, P., VandenBoer, T., Warneke, C., Graus, M., Williams, E., Lefer, B., Brock, C., Bahreini, R., **Öztürk, F.**, Middlebrook, A.M., Wagner, N., Dubé, W., de Gouw, J., New Insights into Atmospheric Sources and Sinks of Isocyanic Acid, HNCO, from recent Urban and Regional Observations, *Journal of Geophysical Research-Atmosphere* 119(2), 1060-1072, 2014
10. **Öztürk F**, Keles M, Evrendilek F. Anthropogenic Change Regime of Tropospheric Ozone in the Mediterranean and Global Environment. *J Ecosys Ecograph* 5: e122. doi:10.4172/2157-7625.1000e122, 2015
11. **Öztürk F**, Keles M, Wintertime Chemical Compositions of Coarse and Fine Fractions of Particulate Matter in Bolu, Turkey, *Environmental Science and Pollution Research (ESPR)* 23, 14157-14172, 2016
12. **Öztürk F**, Keles M, Evrendilek F, Quantifying rates and drivers of change in long-term sector- and country-specific trends of carbon dioxide-equivalent greenhouse gas emissions, *Renewable and Sustainable Energy Reviews (RSER)* 65, 823-831, 2016
13. Amouei Torkmahalleh, M., Gorjinezhad, S., Keles, M., Unluevcek, HS, Azgin, C, Cihan, E, Tanis, B, Soy, N., Ozaslan, N., **Öztürk, F.**, Hopke, P., A Controlled Study for the Characterization of PM<sub>2.5</sub> Emitted during Grilling Beef Meat, *Journal of Aerosol Science* 103, 132-140, 2017
14. Cetin, B., **Öztürk, F.**, Keles, M., Yurdakul, S., PAHs and PCBs in an Eastern Mediterranean Megacity, Istanbul: Their Spatial and Temporal Distributions, Air-Soil Exchange and Toxicological Effects, *Environmental Pollution* 220, 1322-1332, 2017
15. Amouei Torkmahalleh, M., Gorjinezhad, S., Keles, M., **Öztürk, F.**, Hopke, P., Size segregated PM<sub>2.5</sub> and its chemical composition emitted from heated corn oil, *Environmental Research* 154, 101-108, 2017
16. Amouei Torkmahalleh, M., Gorjinezhad, S., Kerimray, A., Keles, M., **Öztürk, F.**, Hopke, P., Quantifying Trace Elements in the Emitted Particulate Matter during Cooking and Health Risk Assessment, *Environmental Science and Pollution Research (ESPR)*, 24(10), 9515-9529, 2017

17. Cetin,B., Yurdakul, S., Keles, M., Celik, I., **Ozturk, F.**, Dogan, C., Atmospheric concentrations, distributions and air-soil exchange tendencies of PAHs and PCBs in a heavily industrialized area in Kocaeli, Turkey, 2017, Chemosphere 183, 69-79
18. Abdallah C., Afif C., El Masri N., **Ozturk F.**, Keles M , Sartelet K, An annual assessment of air quality modeling over Lebanon using WRF/Polyphemus, 2018, Atmospheric Pollution Research, 9(4), 643-654
19. Cetin, B., Yurdakul, S., Gungormus, E., **Ozturk, F.**, Sofuoglu, S.C., Source Apportionment and Carcinogenic Risk Assessment of Passive Air Sampler-Derived PAHs and PCBs in a Heavily Industrialized Region, 2018, Science of the Total Environment 633, 30-41
20. Kilavuz, S.A., Bozkurt, Z., **Ozturk, F.**, Characterization and Source Apportionment of Primary and Secondary Carbonaceous Aerosols at Urban and Suburban Atmospheres of Düzce, Turkey. 2019, Environmental Science and Pollution Research (ESPR), 2019, 26(7), 6839-6854
21. Yurdakul, S., Celik, I, Celen, M., **Öztürk, F.**, Cetin, B. Levels, Temporal/Spatial Variations and Sources of PAHs and PCBs in Soil of a Highly Industrialized Area, 2019, Atmospheric Pollution Research, 2019, 10, 1227-1238
22. Thera, B.T.P., Dominutti, P., **Öztürk, F.**, Salameh, T., Sauvage, S., Afif, C., Cetin, B., Gaimoz, C., Keleş, M., Evan, S., Borbon, A., Composition and variability of gaseous organic pollution in the port megacity of Istanbul: source attribution, emission ratios and inventory evaluation, accepted and online in Atmospheric Chemistry and Physics (ACP) , 2019, 19(23), 15131-15156
23. **Öztürk F**, Keles M., Exposure Risk Assessment of Heavy Metals Bound to PM<sub>2.5</sub> and PM<sub>2.5-10</sub> in Western Black Sea Region of Turkey in Winter Season, Turkish Journal of Public Health 17(2), 102-122, 2019
24. Lang-Yona, N., **Öztürk, F.**, Gat, D., Aktürk, M., Zarmpas, P., Tsagkaraki, M., Michalopoulos, N., Birgul, A., Kurt-Karakuş, P.B., Rudich, Y., “Links between airborne microbiome, meteorology, and chemical composition in northwestern Turkey”, Science of the Total Environment 725, 138227, 2020
25. Broomandi, P., Amouei Torkmahalleh, M., Akturk, M., Ngagine, S.H., Gorjinezhad, S., **Öztürk F**, Kocak, M., Kim, J. (2020). A new exposure route to trace elements in indoor particulate matter, Indoor Air 30(3), 492-499.
26. Dogan, T.R., Beşli, N., Aktacir, M.A., Dinç, M.N., İlkhan, MA, **Öztürk F.**, Yıldız, M. (2020). Seasonal effects of atmospheric particulate matter on performance of different types of photovoltaic modules in Şanlıurfa, Turkey, Atmospheric Pollution Research 11(12):2173-2181.

27. Yakşı O, Özel A, Ünal M, **Öztürk F**, Kılıçgün A. (2020). The association between pneumothorax onset and meteorological parameters and air pollution. Turkish Journal of Thoracic And Cardiovascular Surgery 28:656-661.
28. Zararsız, A., **Öztürk, F.**, (2020), Estimation of Health Risks Associated with Household Dust Contamination in Bolu (Turkey), Duzce Science and Technology Journal, 8(4), 2245-2265.
29. Koçak, E., Kılavuz, S.A., **Öztürk, F.**, İmamoğlu, İ., Tuncel, G. (2020), Characterization and Source Apportionment of Carbonaceous Aerosols in Fine Particles at Urban and Suburban Atmospheres of Ankara, Turkey. Environmental Science and Pollution Research (ESPR), <https://dx.doi.org/10.1007/s11356-020-12295-6>
30. Torkmahalleh, M.A., Akhmetvaliyeva, Z., Omran, A.D., Omran, F.D., Kazemitabar, M., Naseri, M., Naseri, M., Sharifi, H., Malekipirbazari, M., Adotey, E.K., Gorjinezhad, S., Eghtesadi, N., Sabanov, S., Alastuey, A., de Fátima Andrade, M., Buonanno, G., Carbone, S., Cárdenas-Fuentes, D.E., Cassee, F.R., Dai, Q., Henríquez, A., Hopke, P.K., Keronen, P., Khwaja, H.A., Kim, J., Kulmala, M., Kumar, P., Kushta, J., Kuula, J., Massagué, J., Mitchell, T., Mooibroek, D., Morawska, L., Niemi, J.V., Ngagine, S.H., Norman, M., Oyama, B., Oyola, P., **Öztürk, F.**, Petäjä, T., Querol, X., Rashidi, Y., Reyes, F., Ross-Jones, M., Salthammer, T., Savvides, C., Stabile, L., Sjöberg, K., Söderlund, K., Raman, R.S., Timonen, H., Umezawa, M., Viana, M., Xie, S. (2021). Global Air Quality and COVID-19 Pandemic: Do We Breathe Cleaner Air? Aerosol Air Qual. Res. <https://doi.org/10.4209/aaqr.200567>
31. Ara Aksoy, S., Köksal, M., Kızıltan, A., Kızıltan, M., **Öztürk, F.**, Tekeli, Ş.E., Aslanoğlu, Y., İm, U., Duran, N., Ünal, A., Baykara, M, Özyürek, N, Doğan, P., Yılmaz, A., Köksal, C.E., Gürtepe, İ.Ç., Yereli, A.B., Birpınar, M.E., Güllü, G. (2021). Mortality and Morbidity Costs of Road Traffic-based Air Pollution in Turkey, Journal of Transport & Health, <https://dx.doi.org/10.1016/j.jth.2021.101142>
32. Köksal, M., Tekeli, Ş.E., Ara Aksoy, S., Kızıltan, A., Kızıltan, M., Aslanoğlu, Y., **Öztürk, F.**, N, Doğan, P., Yılmaz, A., Köksal, C.E., Gürtepe, İ.Ç., Yereli, A.B., Yereli, A.B., Birpınar, M.E., Güllü, G. (2021). Long Term Characterization of the Vehicle Stock to Combat Air Pollution in Turkey. Accepted to Transportation Research Part D, <https://dx.doi.org/10.1016/j.trd.2021.102988>
33. Kiziltan, A., Kiziltan, M., Ara Aksoy, S., Aydinalp Köksal, M., Tekeli, E.Ş., Duran, N., Aslanoğlu, S.Y., **Öztürk, F.**, Özyürek, N., Doğan, P., Yılmaz, A., Köksal, C.E, Çetintürk, İ.G., Yereli, A.B., Birpınar, M.E., Güllü, G. (2022). Cost-benefit analysis of road-transport policy options to combat air pollution in Turkey, Environment, Development and Sustainability, <https://doi.org/10.1007/s10668-022-02504-2>
34. Fakhri, N., Fadel, M., **Öztürk, F.**, Keleş, M., Pikridas, M.M., Abdallah, C., Karam, C., Sciare, J., Haves, P.L., Afif, C. (2022). Comprehensive chemical characterization of PM<sub>2.5</sub> in the large East Mediterranean-Middle East city of Beirut, Lebanon. Journal of Environmental Science 133, 118-137.



35. Aslanoglu, S.Y., **Öztürk, F.**, Güllü, G. (2022). Investigating ambient air quality of a shooting range during official national competitions. *Environmental Research and Technology* 5:1, 11-23.
36. Sarwar, F., Alam, K., **Öztürk, F.**, Koçak, M., Malik, R.N. (2023). Appraising the characteristics of particulate matter from leather tanning micro-environments, their respirational risks, and dysfunctions amid exposed working cohorts, *Environmental Monitoring and Assessment* 195(12).
37. Naseri M., Sultanbekovna A.A., Malekipirbazari M., Kenzhegaliyeva E., Buonanno G., Stabile L., Hopke P.K., Cassee F., Crape B., Sabanov S., Zhumambayeva S., Ozturk F., Tadi M.J., Torkmahalleh M.A., Shah D., Human exposure to aerosol from indoor gas stove cooking and the resulting cardiovascular system responses, 2024. *Toxicology Reports* 13, 101716, doi: 10.1016/j.toxrep.2024.101716

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#### MEETINGS ATTENDED

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#### National:

1. **Öztürk, F.**, Soultanov, L., Tuncel, G., Doğu Akdeniz Bölgesi'nde Gözlenen Yüksek Sülfat Derişim Kaynaklarının Belirlenmesi. "Yanma ve Hava Kirliliği Kontrolü VI. Ulusal Sempozyumu", 2003, s.298–309.
2. **Öztürk, F.**, Kırmaz, R., Efe, N., Zararsız, A., ve Tuncel, G., Doğu Akdeniz Atmosferinde Bulunan Aerosollerin Kimyasal Kompozisyonunun Enerji Dağılımlı X Işınları Floresans Spektrometresi ile Tayini. "6. Ulusal Çevre Mühendisliği Kongresi, Tebliğler kitabı", 2005, s.60–66.
3. **Öztürk, F.**, Zararsız, A., Tuncel, G., Doğu Akdeniz Atmosferinde Bulunan Aerosollerin Kimyasal Kompozisyonunun 1992–2000 Yılları Arasında Gözlenen Kısa ve Uzun Vadeli Değişiminin İncelenmesi. "7. Ulusal Çevre Mühendisliği Kongresi, Tebliğler CD'si", 2007, s.152–158
4. **Öztürk, F.**, Zararsız, A., Tuncel, G., Doğu Akdeniz Atmosferinde Bulunan Aerosollerin Kimyasal Kompozisyonunun 1992–2000 Yılları Arasında Gözlenen Kısa ve Uzun Vadeli Değişiminin İncelenmesi. "7. Ulusal Çevre Mühendisliği Kongresi, Tebliğler CD'si", 2007, s.152–158
5. İlhan, Ali.İ., **Öztürk, F.**, Balta, T., Öz, N., Kenet, F.E., Rasan, G., DüNDAR, C., Tuncel, G. Karadeniz Yağmur Suyu Kompozisyonunu Etkileyen Kaynakların Faktör Analiz Tekniği İle Belirlenmesi. "Hava Kirliliği ve Kontrolü Ulusal Sempozyumu", 22–25 Ekim 2008, Hatay, s.364–374
6. **Öztürk, F.**, Tuncel, G. Doğu Akdeniz Aerosolü İnorganik Değişkenlerinin Uzun Dönem Değişimlerinin İstatiksel İncelenmesi. "Ulusal Hava Kalitesi Sempozyumu", 30–31 Mayıs 2008, Konya, s.481–488

7. İlhan, Ali.İ., **Öztürk, F.**, Çoşkun, K., Balta, T., Öz, N., Kenet, F.E., Rasan, G., Dünder, C., Tuncel, G. Çözünmüş Metallerin Çamkoru (Ankara) Ormanlık Alanına Olan Çökelmelerinin İncelenmesi. “Çevre Sorunları Sempozyumu”. 14–17 Mayıs 2008, Kocaeli, s.35
8. İlhan, A.İ., **Öztürk, F.**, Balta, T., Tuncel, G. Türkiye’de Farklı İstasyonlarda Belirlenen Yağmur Suyu Kompozisyonunun İyon ve Elementler Açısından Karşılaştırılması. “8.Ulusal Çevre Mühendisliği Kongresi”. 12-14 Kasım 2009, Antalya, s.279-294
9. Bayındır, E., Yenisoy-Karakaş, S., **Öztürk, F.**, Alagha, O., Bolu İlinde Ölçülen Ozon Konsantrasyonlarının Değerlendirilmesi ve Meteorolojik Parametrelerle İlişkilendirilmesi, 24. Ulusal Kimya Sempozyumu, Haziran 29-Temmuz 2, 2010, Zonguldak
10. Özlü, E., Yenisoy-Karakaş, S., **Öztürk, F.**, Alagha, O., Bolu İlinde Belirlenen Ozon Konsantrasyonunun Meteorolojik Parametrelerle Değişiminin İncelenmesi: Hava Kirliliği Dağılım Potansiyeli, IV. Hava Kirliliği ve Kontrolü Sempozyumu, 25-27 Ekim, 2010, Ankara, s. 74-85
11. Saklangıç, U., Keleş, M., Karadeniz, H., **Öztürk, F.**, Karakaş, D., Yenisoy-Karakaş, S., Bolu İl Merkezinde Biyo-İzleme İle Hava Kirliliğinin Kaynaklarının Belirlenmesi: İzotopik Kompozisyon, V. Hava Kirliliği ve Kontrolü Sempozyumu (HKK 2013), 18-20 Eylül 2013, Eskişehir, s.601-608, poster sunumu
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60. **Öztürk, F.**, İlhan, A.İ., Balta, T., Tuncel, G. A Multi-Site Study of Rainwater Chemistry within Turkey. Air Quality Management at Urban, Regional and Global Scales, 4<sup>th</sup> International Symposium and IUAPPA Regional Conference, September 10-13 2012, Istanbul, Turkey, pp.795-802, poster presentation
61. **Öztürk, F.**, İlhan, A.İ., Balta, T., Tuncel, G. PMF Analysis of Rainwater Data Generated for Black Sea Atmosphere. Air Quality Management at Urban, Regional and Global Scales, 4<sup>th</sup> International Symposium and IUAPPA Regional Conference, September 10-13 2012, Istanbul, Turkey, pp.71-79, oral presentation
62. Ayaklı, G., Tuncel, G., İlhan, A.İ., Balta, T., **Öztürk, F.**, Chemical composition of precipitation at different parts of Turkey. Air Quality Management at Urban, Regional and Global Scales, 4<sup>th</sup> International Symposium and IUAPPA Regional Conference, September 10-13 2012, Istanbul, Turkey, pp. 869, poster presentation
63. Özcan, S., Albayrak, K., **Öztürk, F.** A Comparative Study of Air Quality Parameters Monitored at Six Different Stations in Turkey. Air Quality Management at Urban, Regional and Global Scales, 4<sup>th</sup> International Symposium and IUAPPA Regional Conference, September 10-13 2012, Istanbul, Turkey, pp.803-808, poster presentation
64. **Öztürk, F.**, Bahreini, R., Wagner, N., Dube, W., Young, C., Brown, S.S., Brock, C., Ulbrich, I.M., Jimenez, J., and Middlebrook, A.M. Interpretation of Sources and Formation Processes of Sub-micron Aerosols near Denver, Colorado from Tower Measurements during NACHTT 2011. European Aerosol Conference (EAC), September 2-7 2012, Granada, Spain, oral presentation
65. Roberts, J.M. , Veres, P.R., Cochran, A. K., VandenBoer, T., Warneke, C., de Gouw, J., Middlebrook, A. M., Bahreini, R., **Öztürk, F.**, Brock, C. A., Burling, I.R., and Yokelson, R. J., The Multi-phase Atmospheric Chemistry of Isocyanic Acid, HNCO, 22<sup>nd</sup> International Symposium on Gas Kinetics, June 18-22, 2012, Boulder. Colorado, USA, oral presentation
66. **Öztürk, F.**, Bahreini, R., Warneke, C., de Gouw, J. , VandenBoer, T.C., Roberts, J.M., Wagner, N. , Dubé, W. , Young, C. , Brown, S.S. and Middlebrook, A.M., Evaluation of Sources of Organic Aerosol Components Measured by an Aerosol Mass Spectrometer (AMS) during NACHTT Field Campaign using Positive Matrix Factorization (PMF), American Geophysical Union (AGU) 2011 Fall Meeting, 5-9 December 2011, San Francisco, California, USA, poster presentation
67. Riedel, T. P., Thornton, J.A., Wagner, N., Brown, S.S., Roberts, J.M., Dube, B., Young, C.J., VandenBoer, T.C., Middlebrook, A.M., Bahreini, R., **Öztürk, F.**, Keene, W.C., Pszenny, A., Vertically Resolved Nitryl Chloride Observations and Yield Estimates, American Geophysical Union (AGU) 2011 Fall Meeting, 5-9 December 2011, San Francisco, California, USA, poster presentation
68. Wagner, N.L., Riedel, T. P., VandenBoer, T.C., Young, C.J., Middlebrook, A.M., **Öztürk, F.** , Bahreini, R., Dube, W.B., Roberts, J.M., Thornton, J.A., Brown, S.S., The effect of aerosol thermodynamics on ClNO<sub>2</sub> production: vertically resolved measurements of ClNO<sub>2</sub> and its precursors, American Geophysical Union (AGU) 2011 Fall Meeting, 5-9 December 2011, San Francisco, California, USA, poster presentation

69. VandenBoer, T. C., Wagner, N. L., Young, C. J., Dube, W. P., Riedel, T. P., Brock, C. A., Bahreini, R., **Öztürk, F.**, Warneke, C., de Gouw, J., Keene, W. C., Pszenny, A. A. P., Thornton, J. A., Wolfe, D., Brown, S. S., Middlebrook, A. M. and Roberts, J. M., Vertical Profiles of HONO during NACHTT 2011: Relative importance of heterogeneous production on aerosol versus the ground surface, American Geophysical Union (AGU) 2011 Fall Meeting, 5-9 December 2011, San Francisco, California, USA, poster presentation
70. James M Roberts, Steven S Brown, Patrick R Veres, Nick Wagner, Bill Dube, Cora J Young, John B Nowak, J Andrew Neuman, Ann M Middlebrook, Roya Bahreini, **Fatma Öztürk**, Thomas B Ryerson, Ilana B Pollack, Charles A Brock, Joel A Thornton, Theran P Riedel, Hans Dieter Osthoff, Levi H Mielke, Anthony K Cochran, Jennifer G Murphy, Trevor C VandenBoer, Raluca Ellis, Rodney J Weber, Jose L Jimenez, Patrick L Hayes, William C Keene, Alexander Pszenny, Andrew H Young, What do Nitryl Chloride Observations imply about Chlorine Activation Chemistry on Aerosol Surfaces?, American Geophysical Union (AGU) 2011 Fall Meeting, 5-9 December 2011, San Francisco, California, USA, oral presentation
71. **Öztürk, F.**, İlhan, A.İ., Balta, T., Tuncel, G., Spatial and Temporal Variations of Rainwater Constituents in Turkey, Advanced Study Program, World Climate Research Program (WCRP), Early Career Scientist Assembly Workshop, 19-22 October 2011, National Center for Atmospheric Research (NCAR), Boulder, Colorado, USA, oral presentation
72. **Öztürk, F.**, Comparison of Air Quality Parameters of Six Different Cities in Turkey, American Chemical Society (ACS) Fall 2011 National Meeting and Exposition, Aug. 28-Sept.1 2011, Denver, Colorado, USA, poster presentation
73. VandenBoer, T.C., Markovic, M.Z., Veres, P., Vaca, P., Cochran, A., Ellis, R., Murphy, J.G., Bahreini, R., **Öztürk, F.**, Middlebrook, A.M., Warneke, C., de Gouw, J. and Roberts, J.M., HCl Surface Measurements During CalNex and Vertical Profiles During NACHTT: Implications of Partitioning Thermodynamics, Acid Displacement and Chlorine Activation through Heterogeneous Chemistry, American Chemical Society (ACS) Fall 2011 National Meeting and Exposition, Aug. 28-Sept.1 2011, Denver, Colorado, USA, oral presentation
74. **Öztürk, F.**, Assessment of the Long-Term Trend of Turkey's Greenhouse Gas (GHG) Emissions Using the Mann Kendall Test, 39<sup>th</sup> NOAA ESRL Global Monitoring Annual Conference 2011, 17-18 May 2011, CO, USA, oral presentation
75. Özlü, E., Yenisoy-Karakaş, S., **Öztürk, F.**, Alagha, O., Determination of Ozone Concentrations and Estimate the Effects of Ozone Exposure on Forests with AOT40 Modelling in BOLU, Proceedings of 5<sup>th</sup> Atmospheric Science Symposium, 27-29 April 2011, Istanbul, Turkey, pp: 323-329, oral presentation
76. İlhan, A.İ., **Öztürk, F.**, Balta, T., Tuncel, G. A Comparative Study of Elemental and Ionic Content of Precipitation in Turkey. "Global Conference on Global Warming 2009". 5-9 July 2009, İstanbul, Turkey, oral presentation

77. **Öztürk, F.**, Tuncel, G. A new Approach for the Characterization of Aerosols Using Energy Dispersive X-Ray Fluorescence. “9<sup>th</sup> International Conference on Nuclear Analytical Methods in Life Sciences-NAMLS 9”, 7–12 September 2008, Lisbon, Portugal, oral presentation
78. İlhan, Ali.İ., **Öztürk, F.**, Balta, T., Öz, N., Kenet, F.E., Rasan, G., Dündar, C., Tuncel, G. Chemical Composition of Wet Deposition in Black Sea Atmosphere. “Blacksea International Environmental Symposium”. 25–29 August 2008, Giresun, Turkey, pp.348–356, oral presentation
79. İlhan, Ali.İ., **Öztürk, F.**, Balta, T., Öz, N., Kenet, F.E., Rasan, G., Dündar, C., Tuncel, G. Investigation of Wet and Dry Deposition Variables of Amasra. “International Fourth Symposium on Atmospheric Sciences”, 25–28 March 2008, Istanbul, Turkey, pp.318–325, oral presentation
80. **Öztürk, F.**, Tuncel, G. Identification of Source Regions of Aerosols in the Eastern Mediterranean Atmosphere by Exploiting Receptor Oriented Models. “American Aerosol Association and Research (AAAR) 26<sup>th</sup> Annual Conference”, 24–28 September, 2007, Reno, NV, USA, pp.2, poster presentation
81. **Öztürk, F.**, Zararsız, A., Tuncel, G. Identification of Source Regions Affecting Chemical Composition of Eastern Mediterranean Aerosols. “Air Pollution and Environmental Health, from science to action: The challenge of Particulate Matter, 15<sup>th</sup> IUAPPA Regional Conference”, 5–8 September, 2006, Paris and Lille, France, pp.81, oral presentation
82. **Öztürk, F.**, Zararsız, A., Kırmaz, R., Tuncel, G. Investigation of Chemical Composition of Atmospheric Aerosol Particles Over the Eastern Mediterranean. “The 16<sup>th</sup> Regional Conference of Clean Air and Environment in Asian Pacific Area (2005 RCCAE)”, 2–4 August, 2005, Tokyo, Japan, pp.138, oral presentation
83. **Öztürk, F.**, Zararsız, A., Tuncel, G. Application of Energy Dispersive X-Ray Fluorescence Technique to Measure Elemental Concentrations of Aerosols in the Eastern Mediterranean Atmosphere. “First International Conference on Air Pollution and Combustion”, 22–25 June, 2005, Ankara, Turkey, pp.11, oral presentation
84. **Öztürk, F.**, Tuncel, G. Chemical Composition of Precipitation in the Eastern Mediterranean Atmosphere. “13<sup>th</sup> World Cleanair and Environmental Protection Congress and Exhibition”, 22–27 August, 2004, London, UK, pp.320-328, oral presentation
85. **Öztürk F.**, Soultanov L., and Tuncel G., Investigation of origins of atmospheric pollution due to elevated SO<sub>4</sub><sup>2-</sup> levels over the eastern Mediterranean. "12<sup>th</sup> International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean ", 2003, pp.174, oral presentation

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**THESIS SUPERVISED**

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**Master of Science (M.Sc.):**

1. Keleş, M., Determination of Chemical Composition of PM<sub>10</sub> Samples Collected at Two Different Stations in Bolu, September 2012-June 2014, Completed
2. Gögyıldız, S., Investigation of Spatial and Temporal Variation of Soil Pollution in terms of Metals in Dilovası (Kocaeli) Industrial Region, September 2016-February 2019, Completed
3. Aktürk, M., Investigation of Particulate Matter (PM) Samples Collected in Bolu City Center in terms of Bio-aerosols and Other Pollutants and Assessment of their Correlations with Atmospheric Visibility Range, 2022, Completed
4. Kılıç, K., Determination of Mutagenicity of PM<sub>2.5</sub> Samples Collected at Bolu City Center, 2023, Completed
5. Alsaç, O., Identification of sources and source regions affecting the chemical composition of rainwater samples collected at Marmaris, 2023, Completed
6. Taşpınar, B., Assessment of Ankara Urban Air Quality by Concurrent Measurements at Two Different Stations, 2024, Completed
7. Ünal, B., Bolu Kent Merkezinde Farklı Parçacık Boyutunda Toplanan Aerosol Örneklerinde İyonik Türlerin Belirlenmesi, 2024, Completed
8. Tekin, A., Size-segregated Concentration of Metals in an Urban Aerosol of Bolu (Türkiye): Temporal Variations and Sources, 2024, Completed

### **Doctor of Philosophy (Ph.D):**

1. Keleş, M., Investigation of Chemical Composition of PM<sub>2.5</sub> in Dilovası (Kocaeli), September 2014-January 2022, Completed
2. Dikmen, E., Sources and Health Impacts of Size Segregated Aerosols Collected in Bolu Urban Center, 2021, Ongoing7

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### **ORGANIZATION of SCIENTIFIC EVENTS**

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1. TRANSEMED (Transport Emissions and Mitigation in the Middle East): a focus on Istanbul Workshop, 14-16 September 2015, Istanbul, Turkey, Organizing Chair
2. 71<sup>st</sup> Geological Congress of Turkey with International Participation: Geology and Health, 23-27 April 2018, Ankara, Turkey, Earth-Atmosphere Interaction Session Convener and Scientific Committee Member

3. First International Workshop on Atmospheric Chemistry: Sources and Impacts, 13-15 October 2022, Bolu, Türkiye, Organizing Chair
4. 3<sup>rd</sup> Annual Online Scientific Workshop , Climate and Atmosphere Research & Innovation in the Eastern Mediterranean and Middle East, 7 November 2023, Online, Scientific Committee Member
5. Proposal Writing Training for Academicians, February 202, Bolu, Türkiye, Organizing Chair

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### MEMBERSHIP

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1. Turkish Chamber of Environmental Engineers (2012-Onwards)
2. Turkish National Committee on Solid Wastes (2021-Onwards)

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### LANGUAGE

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Turkish: Mother Tongue

English: Very good in speaking and writing (2017 YDS Score: 93.75)