METIN BAYKARA
LECT. PHD

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International Researcher IDs
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Publons / Web Of Science ResearcherID: GSF-6100-2022
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Learning Knowledge

Post Doctorate 2019 - 2020		University of Helsinki, Institute for Atmospheric and Earth System Research (INAR), Finland
Doctorate 2013 - 2018		Istanbul Technical University, Avrasya Yer Bilimleri Enstitüsü, İklim Ve Deniz Bilimleri, Turkey
Postgraduate 2011 - 2013		Karadeniz Technical University, Fen Bilimleri Enstitüsü, Turkey
Undergraduate 2005 - 2011		Karadeniz Technical University, Orman Fakültesi, Orman Mühendisliği, Turkey

Foreign Languages

English, C2 Mastery

Published journal articles indexed by SCI, SSCI, and AHCI

1. **Positive feedback mechanism between biogenic volatile organic compounds and the methane lifetime in future climates**
   Boy M., Zhou P., Kurten T., Chen D., Xavier C., Clusius P., Roldin P., Baykara M., Pichelstorfer L., Foreback B., et al.
   NPJ CLIMATE AND ATMOSPHERIC SCIENCE, vol.5, no.1, 2022 (SCI-Expanded)

2. **Secondary aerosol formation in marine Arctic environments: a model measurement comparison at Ny-angstrom lesund**
   Xavier C., Baykara M., Wollesen de Jonge R., Altstaedter B., Clusius P., Vakkari V., Thakur R., Beck L., Becagli S., Severi M., et al.
   ATMOSPHERIC CHEMISTRY AND PHYSICS, vol.22, no.15, pp.10023-10043, 2022 (SCI-Expanded)

3. **Mortality and morbidity costs of road traffic-based air pollution in Turkey**
   Ara Aksoy S., Kiziltan A., Kiziltan M., Aydınalp Köksal M., Öztürk F., Tekeli Ş. E., Aslanoğlu S. Y., Im U., Duran N., Ünal A., et al.
   Journal of Transport and Health, vol.22, 2021 (SSCI)

4. **Investigating the interaction between agricultural lands and Urmia Lake ecosystem using remote sensing techniques and hydro-climatic data analysis**

Ghale Y. A. G., Baykara M., Ünal A.

Agricultural Water Management, vol.221, pp.566-579, 2019 (SCI-Expanded)

5. **Evaluation of impact of residential heating on air quality of megacity Istanbul by CMAQ**

Baykara M., Im U., Ünal A.

Science of the Total Environment, vol.651, pp.1688-1697, 2019 (SCI-Expanded)

6. **Changes in soil microbial biomass and aggregate stability under different land uses in the northeastern Turkey**

KARA Ö., Baykara M.

ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.186, no.6, pp.3801-3808, 2014 (SCI-Expanded)

Articles Published in Other Journals

1. **A modelling study of OH, NO3 and H2SO4 in 2007- 2018 at SMEAR II, Finland: Analysis of long-term trends**

Chen D., Xavier C., Clusius P., Nieminen T., Roldin P., Qi X., Pichelstorfer L., Kulmala M., Rantala P., Aalto J., et al.

Environmental Science: Atmospheres, vol.1, no.6, pp.449-472, 2021 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

1. **Integrated air quality assessment of Konya in terms of meteorology, topography and emission sources**

TAYANÇ M., SEZEN İ., AKYÜZ E., KAYNAK TEZEL B., BAYKARA M., ÜNAL A.

18th World Clean Air Congress 2019, 23 - 27 September 2019

2. **Impact of Biogenic Emissions on Secondary Organic Aerosols and Ozone using MEGAN v2 1 and NEMO over Europe**

Baykara M., Pozzoli L., KINDAP T., ÜNAL A.

14th Annual CMAS Conference, Chapel Hill, United States Of America, 5 - 07 October 2015

Courses

GIS Programming, Postgraduate, 2021 - 2022

Earth System, Postgraduate, 2021 - 2022

Mathematical Concepts for Earth System Science, Postgraduate, 2020 - 2021

Metrics

Publication: 11

Citation (WoS): 60

Citation (Scopus): 99

H-Index (WoS): 3

H-Index (Scopus): 5

Research Areas

Atmospheric Sciences and Meteorological Engineering, Climate Change and Climate Modeling, Air Pollution Modeling, Effects of Air Pollution, Photochemical Contamination

University, University of Helsinki, Institute for Atmospheric and Earth System Research (INAR)

University, University of Helsinki, Institute for Atmospheric and Earth System Research (INAR)