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International Researcher IDs

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Education Information

Doctorate, Yildiz Technical University, Faculty Of Civil Engineering, Department Of Environmental Engineering, Turkey
2021 - 2025

Postgraduate, Yildiz Technical University, Faculty Of Civil Engineering, Department Of Environmental Engineering, Turkey
2020 - 2021

Undergraduate, Bursa Uludağ University, Faculty Of Engineering, Turkey 2007 - 2012

Research Areas

Engineering and Technology

Academic Titles / Tasks

Research Assistant, Yildiz Technical University, Faculty Of Civil Engineering, Department Of Environmental Engineering,
2019 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Development of Artificial Intelligent-Based Methodology to Prepare Input for Estimating Vehicle Emissions**
YAVUZ E., Öztürk A., BALKANLI N. G. N., ENGİN Ş. N., Kuzu S. L.
Applied Sciences (Switzerland), vol.14, no.23, 2024 (SCI-Expanded)
- II. **Investigation of the Near Future Solar Energy Changes Using a Regional Climate Model over Istanbul, Türkiye**
DURAN Y., YAVUZ E., ÖZKAYA B., Yalçın Y., Variş Ç., Kuzu S. L.
Energies, vol.17, no.11, 2024 (SCI-Expanded)
- III. **Performance comparison of dispersion and computational fluid dynamics models in the dispersion of gaseous stack emissions**
YAVUZ E., Kuzu S. L.
International Journal of Environmental Science and Technology, 2024 (SCI-Expanded)
- IV. **Comparison of RegCM dust schemes by monitoring an aeolian dust transport episode**
KUZU S. L., YAVUZ E.
AIR QUALITY ATMOSPHERE AND HEALTH, vol.14, no.12, pp.2047-2057, 2021 (SCI-Expanded)

- V. **Investigating the Combined Use of Enrichment Factor and Weather Research and Forecasting (WRF) Modelling for Precipitation Sample Source Identification: A Case Study in North Carolina, USA**
YAVUZ E., KUZU S. L., KANAT G., Vardar N.
ARCHIVES OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.81, no.1, pp.182-188, 2021 (SCI-Expanded)
- VI. **Black carbon and size-segregated elemental carbon, organic carbon compositions in a megacity: a case study for Istanbul**
Kuzu S. L., Yavuz E., Akyüz E., Saral A., Akkoyunlu B. O., Özdemir H., Demir G., Ünal A.
AIR QUALITY ATMOSPHERE AND HEALTH, vol.13, no.7, pp.827-837, 2020 (SCI-Expanded)

Articles Published in Other Journals

- I. **İSTANBUL'DA KENTSEL ARKA PLANDA ATMOSFERİK SİYAH KARBON KONSANTRASYON DEĞİŞİMİNİN DEĞERLENDİRİLMESİ**
Çolak Z., Onat B., Coşgun M. S., Ayvaz B. U., Ayvaz C., Kuzu S. L., Yavuz E., Çetin H., Fidan Z., Şahin Ü. A.
JOURNAL OF ANATOLIAN ENVIRONMENTAL AND ANIMAL SCIENCES, vol.9, no.4, pp.648-659, 2024 (Peer-Reviewed Journal)
- II. **Investigation of Aerosol Direct Radiative Forcing During a Dust Storm Using a Regional Climate Model over Turkey**
Yavuz E., Kuzu S. L., Uğurdoğan S., Saral A.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, vol.41, no.1, pp.1-8, 2023 (ESCI)
- III. **Investigation of aerosol direct radiative forcing during a dust storm using a regional climate model over Türkiye**
YAVUZ E., Kuzu L., Uğurdoğan S., SARAL A.
Sigma Journal of Engineering and Natural Sciences, vol.41, no.1, pp.35-41, 2023 (ESCI)

Papers Published in Refereed Scientific Meetings

- I. **Comparative Analysis of Tier Approaches for Vehicle Emission Estimation**
Balkanlı N. G. N., Yavuz E., Saral A., Kuzu S. L.
3rd International Graduate Research Symposium (IGRS'24), İstanbul, Turkey, 8 - 10 May 2024, pp.229-230
- II. **Application and Comparison of Three Different Machine Learning Models in Predicting the Temperature**
Balkanlı N. G. N., Yavuz E., Kuzu S. L.
ESA – ECMWF WORKSHOP ON MACHINE LEARNING FOR EARTH OBSERVATION AND PREDICTION, Rome, Italy, 7 - 10 May 2024
- III. **Güneş Radyasyonunun Simüle Edilmesinde Bölgesel İklim Modelinin (RegCM) Hassasiyetinin Değerlendirilmesi**
Duran Y., Kuzu S. L., Yavuz E.
KARADENİZ 14TH INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Batumi, Georgia, 13 - 15 October 2023, pp.239-252
- IV. **Path Tracking Analytics Approach on Streaming Using Deep Learning and Image Processing**
Öztürk A., Yavuz E., Balkanlı N. G. N., Engin Ş. N., Kuzu S. L.
24.Otomatik Kontrol Ulusal Konferansı (TOK 2023), İstanbul, Turkey, 14 - 16 September 2023, pp.289-293
- V. **Investigation of vertical particulate matter distribution using low-cost sensors in Istanbul**
YAVUZ E., KUZU S. L., SARAL A.
29th International Conference on "Agriculture, Biological and Environmental Sciences", Barcelona, Spain, 13 October 2021, vol.1, pp.39-43
- VI. **Simulation of a Dust Transportation Event in Istanbul through a Regional Climate Model**

Uğurdoğan S., KUZU S. L., YAVUZ E., SARAL A.

5th International Symposium on Environment and Morals (ISEM2020), 24 - 25 September 2020

VII. **Sulphur dioxide emission dispersion modelling from a coal fired power plant in Çanakkale, Turkey**

YAVUZ E., KUZU S. L., SARAL A.

5th Eurasia Waste Management Symposium, 26 - 28 October 2020

VIII. **Black Carbon Evaluation in an Urban Side of Istanbul Atmosphere during Spring and Summer Seasons**

Kuzu S. L., Yavuz E., Akyüz E., Saral A., Akkoyunlu B. O., Özdemir H.

18th World Clean Air Congress, İstanbul, Turkey, 23 - 27 September 2019, vol.1, no.1, pp.483-491

Metrics

Publication: 17

Citation (WoS): 8

Citation (Scopus): 21

H-Index (WoS): 1

H-Index (Scopus): 2