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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAD-6227-2019

ScopusID: 57196051962

Yoksis Researcher ID: 228574

Education Information

Doctorate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Çevre Mühendisliği (Dr), Turkey 2016 - 2022

Postgraduate, Ege University, Fen Bilimleri Enstitüsü, Nükleer Bilimler (YI) (Tezli), Turkey 2013 - 2016

Postgraduate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Çevre Mühendisliği (YI) (Tezli), Turkey 2012 - 2016

Undergraduate, Dokuz Eylul University, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, Turkey 2007 - 2012

Dissertations

Postgraduate, Atmospheric dispersion of radiation originating from nuclear power plant accidents, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Çevre Mühendisliği (YI) (Tezli), 2016

Postgraduate, Termik santrallerin çevresindeki radyoelementlerin atmosferik dispersiyonunun modellenmesi, Ege University, Fen Bilimleri Enstitüsü, Nükleer Bilimler (YI) (Tezli), 2016

Research Areas

Environmental Engineering, Environmental Technology, Environmental Modeling, Engineering and Technology

Academic Titles / Tasks

Research Assistant PhD, Dokuz Eylul University, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, 2015 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

1. Response of water resources to the Kahramanmaraş earthquakes (MW 7.7 and MW 7.6) that occurred on February 6, 2023, on the East Anatolian Fault Zone (Türkiye)
Şimşek C., Şen G., Fıstıkoğlu O., Canlı K., Sözbilir H., Ayol A., Bilgiç E.
Turkish Journal of Earth Sciences, vol.33, no.1, pp.69-84, 2024 (SCI-Expanded)

- II. **Response of water resources to Kahramanmaraş earthquakes (Mw7.7 and Mw7.6) that occurred on February 6, 2023 on the East Anatolian Fault Zone (Türkiye)**
Şimşek C., Akinci G., Fıstıkoğlu O., Canlı K., Sözbilir H., Ayol A., Bilgiç E.
TURKISH JOURNAL OF EARTH SCIENCES, vol.01, no.01, pp.1-14, 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. **Radiological modeling of the impacts of the Chernobyl nuclear power plant accident on Turkey and southwest Asia**
BİLGİÇ E., GÜNDÜZ O.
ATMOSPHERIC POLLUTION RESEARCH, vol.13, no.2, 2022 (SCI-Expanded)
- V. **Analysis of the impact of various vertical release patterns on the atmospheric dispersion and total deposition of Cs-137 from Chernobyl Nuclear Power Plant accident**
BİLGİÇ E., Gunduz O.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.28, no.47, pp.66864-66887, 2021 (SCI-Expanded)
- VI. **Dose and risk estimation of Cs-137 and I-131 released from a hypothetical accident in Akkuyu Nuclear Power Plant**
BİLGİÇ E., Gunduz O.
JOURNAL OF ENVIRONMENTAL RADIOACTIVITY, vol.211, 2020 (SCI-Expanded)

Articles Published in Other Journals

- I. **Atmospheric dispersion patterns of radionuclides originating from nuclear power plant accidents under various release types**
BİLGİÇ E., Gunduz O.
International Journal of Energy Production and Management, vol.4, no.1, pp.75-85, 2019 (Scopus)
- II. **ASSESSMENT OF RISKS FOR DRINKING WATER INFRASTRUCTURES BY CARVER METHOD: CASE STUDY - IZMİR**
BİLGİÇ E., Tulger Kara G., Gunduz O.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.8, no.3, pp.199-208, 2017 (ESCI)
- III. **Risk analysis for İzmir drinking water system with CARVER method**
Eskicioğlu F., BİLGİÇ E., GÜNDÜZ O.
TURK HIJIYEN VE DENEYSEL BIYOLOJİ DERGISI. TURKISH BULLETIN OF HYGIENE AND EXPERIMENTAL BIOLOGY, vol.74, no.50, pp.105-112, 2017 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **Kozloduy Nükleer Güç Santralinde Yaşanacak Olası Bir Kazanın Türkiye’de Yaratacağı Radyolojik Risklerin Değerlendirilmesi**
BİLGİÇ E., GÜNDÜZ O.
14. Ulusal 2. Uluslararası Çevre Mühendisliği Kongresi, İstanbul, Turkey, 9 - 11 December 2021, pp.439-446
- II. **Analysis of potential impacts of a hypothetical accident in Metsamor Nuclear Power Plant on Turkey**
BİLGİÇ E., GÜNDÜZ O.
6th International Conference on Environmental Radioactivity, ENVIRA 2021, Selanik, Greece, 6 - 10 December 2021
- III. **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

IV. MODELING OF ATMOSPHERIC TRANSPORT OF POLLUTANTS RELEASED FROM İZMİR WILDFIRE IN 2019

BİLGİÇ E., GÜNDÜZ O.

Air Quality Conference 2020 - Science and Application, SELANİK, Greece, 18 May 2020

V. 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

VI. Analysis of the Influence of Different Vertical Release Patterns on the Atmospheric Dispersion of Cs-137 Originating From a Nuclear Power Plant Accident

BİLGİÇ E., GÜNDÜZ O.

9th INTERNATIONAL SYMPOSIUM ON ATMOSPHERIC SCIENCES (ATMOS), İstanbul, Turkey, 23 October - 26

September 2019, pp.279-289

VII. Assessment of the Impacts of Chernobyl Nuclear Power Plant Accident on Turkey Using Mathematical Modelling Method

BİLGİÇ E., GÜNDÜZ O.

International Conference on Environmental Radioactivity (ENVIRA), Prague, Czech Republic, 8 October - 13

September 2019

VIII. Dose and Risk Estimation of Cs-137 and I-131 Released from a Hypothetical Accident in Akkuyu Nuclear Power Plant

BİLGİÇ E., GÜNDÜZ O.

8th International Symposium on IN SITU NUCLEAR METROLOGY as a tool for radioecology, Kuşadası, Turkey, 23 - 26

April 2019, pp.102-106

IX. Atmospheric Dispersion and Ground Level Deposition of Cs-137 Released From Chernobyl Nuclear Power Plant Accident

BİLGİÇ E., Seibert P., PHILIPP A.

CTBT: Science and Technology Conference, Vienna, Austria, 24 - 28 June 2019, pp.111

X. Su Dağıtım Sistemlerinde Zamanla Değişen Talep Durumlarının ve Sistem Özelliklerinin EPANET ile İncelenmesi

GÜNDÜZ O., BİLGİÇ E., POLAT N.

International Symposium on Urban Water and Wastewater Management, 25 - 27 October 2018

XI. The potential of nuclear energy in minimizing greenhouse gas emissions: A case study from Turkey

GÜNDÜZ O., BİLGİÇ E.

13th SDEWES Conference on Sustainable Development of Energy, Water and Environment Systems, 30 September - 04 October 2018

XII. Can nuclear energy be considered as a viable alternative within the context of global warming?

GÜNDÜZ O., BİLGİÇ E.

7th Global Conference on Global Warming (GCGW-2018), 24 - 28 June 2018

XIII. Akıllı Kentlerde Su Yönetimi Uygulamaları

POLAT N., BİLGİÇ E., GÜNDÜZ O.

4th International Water Congress, 2 - 04 November 2017, pp.365-375

XIV. Atmospheric Dispersion and Dose/Risk Estimation of Cs137 Released from a Potential Accident in Akkuyu Nuclear Power Plant, Turkey

BİLGİÇ E., GÜNDÜZ O.

ATMOS2017 International 8th Atmospheric Sciences Symposium, 1 - 04 November 2017, pp.154-157

XV. Simulation of atmospheric dispersion of radioelements released from coal fired power plant

BİLGİÇ E., AYTAŞ Ş., YAPRAK G.

In situ nuclear metrology as a tool for radioecology INSINUM2017, 24 - 28 April 2017

XVI. İzmir içme suyu sistemi için CARVER yöntemi ile risk analizi

ESKİCİOĞLU F., BİLGİÇ E., GÜNDÜZ O.

Supported Projects

Ayol A., Fıstıkoğlu O., Şen G., Şimşek C., Şengöz B., Kincal C., Bilgiç E., Project Supported by Other Official Institutions, ADIYAMAN, GAZİANTEP, OSMANİYE, ADANA İLLERİ DEPREM YIKINTI ATIKLARININ YÖNETİMİ ve DEPOLAMA TESİSLERİ YER SEÇİMİ , 2023 - 2023

Ayol A., Özel Demiralp F. D., Fıstıkoğlu O., Tosun Felekoğlu K., Bilgiç E., TUBITAK Project, Deprem bölgesinde oluşan atıkların yönetimi: atık envanteri, atık karakterizasyonu ve atık yönetim uygulamaları, 2023 - 2023

Güler E., Gündüz O., Özuysal A., Bilgiç E., Güven E. D., Akıncı G., Kara M., Şimşek C., Project Supported by Other Official Institutions, T.C. Çevre ve Şehircilik Bakanlığı - Balıkesir İli Balya İlçesinde Terk Edilmiş Maden Sahasında Bulunan Atıkların Çevreye Etkilerinin Araştırılması, 2019 - 2020

Metrics

Publication: 25

Citation (WoS): 11

Citation (Scopus): 8

H-Index (WoS): 1

H-Index (Scopus): 1

Congress and Symposium Activities

Çevre Korunmasında Radyasyon Teknolojisi Çalıştayı, Audience, Ankara, Turkey, 2022

Non Academic Experience

University of Natural Resources and Life Sciences

University of Natural Resources and Life Sciences