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Personal Information

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International Researcher IDs

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Education Information

Doctorate, Georgia Institute of Technology, School Of Civil And Environmental Engineering, United States Of America
2004 - 2009

Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Çevre Mühendisliği (YI) (Tezli), Turkey 2001 - 2003

Undergraduate, Middle East Technical University, Faculty Of Engineering, Department Of Environmental Engineering, Turkey 1997 - 2001

Foreign Languages

English

Dissertations

Doctorate, Assimilation of Trace Gas Retrievals Obtained From Satellite (SCIAMACHY), Aircraft and Ground Observations into a Regional Scale Air Quality Model (CMAQ-DDM/3D), Georgia Institute Of Technology, School Of Civil And Environmental Engineering, 2009

Postgraduate, Investigation of emissions of fruit stones combustion in a fluidized bed combustion system, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Çevre Mühendisliği (YI) (Tezli), 2003

Academic Titles / Tasks

Associate Professor, İstanbul Technical University, İnşaat, Çevre Mühendisliği, 2017 - Continues

Assistant Professor, İstanbul Technical University, İnşaat, Çevre Mühendisliği, 2012 - 2017

Research Assistant, İstanbul Technical University, İnşaat, Çevre Mühendisliği, 2010 - 2012

Research Assistant, Georgia Institute of Technology, School Of Civil And Environmental Engineering, 2006 - 2009

Research Assistant, İstanbul Technical University, İnşaat Fakültesi, Çevre Mühendisliği Bölümü, 2003 - 2009

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Spatial distribution of health risks associated with PM2.5 in Turkey and Iran using satellite and ground observations**

Akyüz E., Samavati M., Kaynak B.

- ATMOSPHERIC POLLUTION RESEARCH, vol.11, no.12, pp.2350-2360, 2020 (SCI-Expanded)
- II. Use of dispersion model and satellite SO₂ retrievals for environmental impact assessment of coal-fired power plants**
Akyüz E., Kaynak B.
SCIENCE OF THE TOTAL ENVIRONMENT, vol.689, pp.808-819, 2019 (SCI-Expanded)
- III. Evaluation of NO_x emissions for Turkey using satellite and ground-based observations**
Oner E., KAYNAK B.
ATMOSPHERIC POLLUTION RESEARCH, vol.7, no.3, pp.419-430, 2016 (SCI-Expanded)
- IV. Toxicity evaluation and source apportionment of Polycyclic Aromatic Hydrocarbons (PAHs) at three stations in Istanbul, Turkey**
Hanedar A., Alp K., KAYNAK B., AVSAR E.
SCIENCE OF THE TOTAL ENVIRONMENT, vol.488, pp.439-448, 2014 (SCI-Expanded)
- V. Analysis of NO, NO₂, and O₃ Between Model Simulations and Ground-Based, Aircraft, and Satellite Observations**
Kaynak B., HU Y., RUSSELL A. G.
WATER AIR AND SOIL POLLUTION, vol.224, no.9, 2013 (SCI-Expanded)
- VI. Concentrations and sources of PAHs at three stations in Istanbul, Turkey**
Hanedar A., Alp K., KAYNAK B., BAEK J., AVSAR E., ODMAN M. T.
ATMOSPHERIC RESEARCH, vol.99, pp.391-399, 2011 (SCI-Expanded)
- VII. Comparison of weekly cycle of NO₂ satellite retrievals and NO_x emission inventories for the continental United States**
Kaynak B., Hu Y., Martin R. V., SIORIS C. E., Russell A. G.
JOURNAL OF GEOPHYSICAL RESEARCH-ATMOSPHERES, vol.114, 2009 (SCI-Expanded)
- VIII. Co-combustion of peach and apricot stone with coal in a bubbling fluidized bed**
ATİMTAY A., Kaynak B.
FUEL PROCESSING TECHNOLOGY, vol.89, no.2, pp.183-197, 2008 (SCI-Expanded)
- IX. The effect of lightning NO_x production on surface ozone in the continental United States**
Kaynak B., Hu Y., Martin R. V., Russell A. G., Choi Y., Wang Y.
ATMOSPHERIC CHEMISTRY AND PHYSICS, vol.8, no.17, pp.5151-5159, 2008 (SCI-Expanded)
- X. Peach and apricot stone combustion in a bubbling fluidized bed**
Kaynak B., TOPAL H., ATİMTAY A.
FUEL PROCESSING TECHNOLOGY, vol.86, no.11, pp.1175-1193, 2005 (SCI-Expanded)

Supported Projects

- Kaynak Tezel B., TUBITAK Project, Ergene Havzası Su Kalitesi Yönetimi İçin Kirletici Parmak İzine Bağlı Coğrafi Bilgi Sistemi Bazlı Karar Destek Sistemleri Geliştirilmesi, 2016 - Continues
- Kaynak Tezel B., TUBITAK Project, Türkiye de SO₂ Kirliliğinin Uzaktan Algılama Yöntemi ile Değerlendirilmesi, 2014 - Continues
- Kaynak Tezel B., TUBITAK Project, Gıda Fermantasyon ve Petrokimya Üretim Sektörlerinden Kaynaklanan Koku Emisyonlarının Biyoyıkayıcı ve Biyofiltre Sistemleri Kullanılarak Giderilmesi, 2013 - Continues
- Kaynak Tezel B., TUBITAK Project, Ulusal Hava Kirliliği Emisyon Yönetim Sisteminin Geliştirilmesi, 2013 - Continues
- Kaynak Tezel B., TUBITAK Project, Türkiye'de So₂ Kirliliğinin Uzaktan Algılama Yöntemi ile Değerlendirilmesi, 2014 - 2017
- Kaynak Tezel B., H2020 Project, IMPROVEMENT OF NO_x EMISSIONS WITH SATELLITE NO₂ RETRIEVALS AND GROUND OBSERVATIONS, 2011 - 2015

Metrics

Publication: 40

Citation (WoS): 335

Citation (Scopus): 350

H-Index (WoS): 7

H-Index (Scopus): 7