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Personal Information

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Education Information

Doctorate, Kocaeli University, Fen Bilimleri Enstitüsü, Çevre Mühendisliği Anabilim Dalı, Turkey 1998 - 2002

Postgraduate, Kocaeli University, Fen Bilimleri Enstitüsü, Çevre Mühendisliği Anabilim Dalı, Turkey 1995 - 1998

Undergraduate, Middle East Technical University, Faculty Of Engineering, Department Of Environmental Engineering, Turkey 1988 - 1994

Foreign Languages

English, C1 Advanced

Research Areas

Engineering and Technology

Academic Titles / Tasks

Professor, Kocaeli University, Mühendislik Fakültesi, Çevre Mühendisliği, 2014 - Continues

Associate Professor, Kocaeli University, Mühendislik Fakültesi, Çevre Mühendisliği, 2008 - 2014

Assistant Professor, Kocaeli University, Mühendislik Fakültesi, Çevre Mühendisliği, 2003 - 2008

Research Assistant, Kocaeli University, Mühendislik Fakültesi, Çevre Mühendisliği, 1995 - 2002

Academic and Administrative Experience

Kocaeli Üniversitesi, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, 2011 - Continues

Kocaeli Üniversitesi, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, 2005 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Determination of PCDD/F and DL-PCB pollution levels, source appointment and risk assessment of surface sediments in dam lakes in Istanbul, Türkiye**
Canli O., Guzel B., KARADEMİR A.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, 2022 (Journal Indexed in SCI)
- II. **Assessment of PCDD/F and dioxin-like PCB levels in environmental and food samples in the vicinity of IZAYDAS waste incinerator plant (WIP): from past to present**

Guzel B., Canli O., Dede S., KARADEMİR A.

ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.27, no.12, pp.13902-13914, 2020 (Journal Indexed in SCI)

- III. **A modeling approach on the PCDD/F pollution in surface sediments of the Izmit Bay (The Marmara Sea)**
Ergül H. A. , Karademir A.
REGIONAL STUDIES IN MARINE SCIENCE, vol.35, 2020 (Journal Indexed in SCI)
- IV. **Effect of waste matrix for the optimization of moisture content and calorific value of biodried material using Taguchi DOE**
Mohammed M., Özbay İ., Karademir A., Donkor A.
DRYING TECHNOLOGY, vol.37, pp.1352-1362, 2019 (Journal Indexed in SCI)
- V. **VOC and PAH characterization of petroleum coke at maximum thermal decomposition temperature**
Inceoglu D. N. , ÖZBAY İ., KARADEMİR A.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.41, no.11, pp.1305-1314, 2019 (Journal Indexed in SCI)
- VI. **Crude Oil Contaminated Sites: Evaluation by Using Risk Assessment Approach**
Cocarta D. M. , Stoian M. A. , KARADEMİR A.
SUSTAINABILITY, vol.9, no.8, 2017 (Journal Indexed in SCI)
- VII. **The effects of external costs on the system selection for treatment and disposal of municipal solid wastes: a deterministic case study for a pre-assessment**
Korucu M. K. , ALKAN A., Cihan A., KARADEMİR A., ALADAĞ Z.
JOURNAL OF MATERIAL CYCLES AND WASTE MANAGEMENT, vol.19, no.2, pp.946-958, 2017 (Journal Indexed in SCI)
- VIII. **Evaluation of three pollutant dispersion models for the environmental assessment of a district in Kocaeli, Turkey**
Demirarslan K. O. , DOGRUPARMAK C. S. , KARADEMİR A.
GLOBAL NEST JOURNAL, vol.19, no.1, pp.37-48, 2017 (Journal Indexed in SCI)
- IX. **Did we choose the best one? A new site selection approach based on exposure and uptake potential for waste incineration**
DEMİRARSLAN K. O. , Korucu M. K. , KARADEMİR A.
WASTE MANAGEMENT & RESEARCH, vol.34, no.8, pp.755-763, 2016 (Journal Indexed in SCI)
- X. **Inventory development for perfluorooctane sulfonic acid (PFOS) in Turkey: challenges to control chemicals in articles and products**
Korucu M. K. , Gedik K., Weber R., KARADEMİR A., KURT KARAKUŞ P. B.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.22, no.19, pp.14537-14545, 2015 (Journal Indexed in SCI)
- XI. **AN EVALUATION OF PCDD/FS MASS FLUX FROM A HAZARDOUS WASTE INCINERATOR: THE NEED FOR A REASONABLE START-UP PROCEDURE**
Korucu M. K. , KARADEMİR A.
COMBUSTION SCIENCE AND TECHNOLOGY, vol.187, no.3, pp.458-468, 2015 (Journal Indexed in SCI)
- XII. **AN EVALUATION OF THE DETERMINABILITY OF LOW LEVEL DIOXIN CONCENTRATIONS BY HRGC/LRMS-NCI**
Korucu M. K. , ASLAN KILAVUZ S., KARADEMİR A., Durmusoglu E.
ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, vol.13, no.12, pp.3063-3072, 2014 (Journal Indexed in SCI)
- XIII. **Possibility of the most cost efficient choice: A divided process approach to method and location selection for municipal solid waste management**
KORUCU M. K. , CIHAN A., ALKAN A., ÖZBAY İ., KARADEMİR A., ALADAĞ Z.
WASTE MANAGEMENT & RESEARCH, vol.32, no.11, pp.1073-1082, 2014 (Journal Indexed in SCI)
- XIV. **Siting a municipal solid waste disposal facility, Part II: The effects of external criteria on the final decision**

Korucu M. K. , KARADEMİR A.

JOURNAL OF THE AIR & WASTE MANAGEMENT ASSOCIATION, vol.64, no.2, pp.131-140, 2014 (Journal Indexed in SCI)

- XV. **Evaluation of PCDD/F pollution in surface sediments of Izmit Bay**
Karademir A., Ergül H. A. , Telli B., Kilavuz S. A. , Terzi M.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.20, no.9, pp.6611-6619, 2013 (Journal Indexed in SCI)
- XVI. **Assessment of emissions and removal of polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/Fs) at start-up periods in a hazardous waste incinerator**
KARADEMİR A., KORUCU M. K.
JOURNAL OF THE AIR & WASTE MANAGEMENT ASSOCIATION, vol.63, no.7, pp.788-795, 2013 (Journal Indexed in SCI)
- XVII. **Health risk assessment of PCDD/F emissions from a hazardous and medical waste incinerator in Turkey**
Karademir A.
ENVIRONMENT INTERNATIONAL, vol.30, no.8, pp.1027-1038, 2004 (Journal Indexed in SCI)
- XVIII. **An evaluation of the occupational health risks to workers in a hazardous waste incinerator**
Bakoglu M., Karademir A., Ayberk S.
JOURNAL OF OCCUPATIONAL HEALTH, vol.46, no.2, pp.156-164, 2004 (Journal Indexed in SCI)
- XIX. **Removal of PCDD/Fs from flue gas by a fixed-bed activated carbon filter in a hazardous waste incinerator**
Karademir A., Bakoglu M., Taspinar F., Ayberk S.
ENVIRONMENTAL SCIENCE & TECHNOLOGY, vol.38, no.4, pp.1201-1207, 2004 (Journal Indexed in SCI)
- XX. **Partitioning characteristics of targeted heavy metals in IZAYDAS hazardous waste incinerator**
Bakoglu M., Karademir A., Ayberk S.
JOURNAL OF HAZARDOUS MATERIALS, vol.99, no.1, pp.89-105, 2003 (Journal Indexed in SCI)
- XXI. **PCDD/F removal efficiencies of electrostatic precipitator and wet scrubbers in izaydas hazardous waste incinerator**
Karademir A., Bakoglu M., Ayberk S.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.12, no.10, pp.1228-1232, 2003 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Marmara Denizi'ne Evsel Atıksu Kaynaklı Nütrient Girişlerinin Tahmini ve Gelecek Senaryoları** Estimation and Future Scenarios of Nutrient Inflows from Municipal Wastewater to the Marmara Sea
Karademir A., Ergül H. A.
MARMARA DENİZİ 2022 SEMPOZYUMU, İstanbul, Turkey, 04 January 2022, vol.1, pp.76-81
- II. **EVALUATION OF PCDD FPOLLUTION IN THE MUSSEL MYTILUS GALLOPRVINCIALIS TISSUE INIZMIT BAY**
Karademir A., Aslan Kılavuz S., Ergül H. A. , Telli B.
The International Conference on Environmental Science and Technology (ICOEST), Belgrade, Serbia, 28 September - 02 October 2016
- III. **EVALUATION OF PCDD F POLLUTION IN THE MUSSEL MYTILUS GALLOPRVINCIALS TISSUE IN IZMIT BAY**
KARADEMİR A., ASLAN KILAVUZ S., TELLİ B., ERGÜL H. A.
II. INTERNATIONAL CONFERENCE ON ENVIRONMENTAL SCIENCE AND TECHNOLOGY, 28 September - 02 October 2016
- IV. **ESTIMATION OF THE SOURCES OF PCDD/F POLLUTION IN THE SEDIMENTS OF IZMIT BAY**
Karademir A., Ergül H. A.

CIESM 40, Marseille, France, 14 - 18 October 2013, vol.1, pp.821

- V. **Probabilistic Health Risk Assessment Of Pcdd/f In Vegetable Foods At Highly Polluted Area In Turkey**
ASLAN KILAVUZ S., DURMUŞOĞLU E., KARADEMİR A.
Global Conference On Global Warming (GCGW-2012), 8 - 12 July 2012
- VI. **Heavy Metal Concentrations in Bottom Sediment Samples from Izmit Bay**
Ergül H. A. , Karademir A., Topcuoğlu S.
EGU2011, Vienna, Austria, 3 - 08 April 2011
- VII. **Assessment of the PCDD/F pollution in the bottom sediments in Izmit Bay, Turkey**
Karademir A., Telli B., Aslan Kılavuz S., Ergül H. A.
EGU2011, Vienna, Austria, 3 - 08 April 2011
- VIII. **Denizel İzleme Çalışmalarına Disiplinler Arası Yaklaşım ve İzmit Körfezinde Sürdürülen Bazı Uygulamalar**
Ergül H. A. , Karademir A., Pekey B., Ay Ü., Topcuoğlu S., Telli B., Terzi M.
20. Ulusal Biyoloji Kongresi, Denizli, Turkey, 21 - 25 June 2010, vol.1
- IX. **Noise maps for traffic noise analysis: Kocaeli case study**
Bayraktar S., Ayberk S., Durmusoglu E., KARADEMİR A.
International Symposium on Environmental Science and Technology, Beijing, China, 13 - 16 November 2007, pp.316-322

Supported Projects

KARADEMİR A., Project Supported by Higher Education Institutions, YAŞAYAN VE YAŞATAN BİR KOCAELİ İÇİN ÇEVRE DURUM ANALİZİ, 2015 - 2016

KARADEMİR A., Project Supported by Higher Education Institutions, KOCAELİ ÜNİVERSİTESİ ÇEVRE MÜHENDİSLİĞİ BÖLÜMÜ'NDE TEMEL İŞLEMLER LABORATUVARININ KURULMASI, 2014 - 2015

KARADEMİR A., Project Supported by Higher Education Institutions, MARMARA BÖLGESİ LİMANLARINDAKİ ORGANİK VE İNORGANİK LİRLİTİCİLERİN İNCELENMESİ, 2014 - 2015

KARADEMİR A., Project Supported by Higher Education Institutions, BOLOGNA SÜRECİ KAPSAMINDA KOCAELİ ÜNİVERSİTESİ ÇEVRE MÜHENDİSLİĞİ BÖLÜMÜ'NDE TEMEL İŞLEMLER LABORATUVARININ KURULMASI, 2012 - 2014

KARADEMİR A., Project Supported by Higher Education Institutions, Zonguldak İl Merkezi Hava Kalitesinin Modellenmesi, 2012 - 2014

KARADEMİR A., Project Supported by Higher Education Institutions, Evsel Katı Atık Bertarafında Dışsal Maliyetlerin Yöntem Belirleme ve Yer Seçimi Üzerine Etkilerinin İncelenmesi, 2012 - 2014

Metrics

Publication: 71

Citation (WoS): 557

Citation (Scopus): 313

H-Index (WoS): 10

H-Index (Scopus): 9