

Prof. AYKAN KARADEMİR

Personal Information

Office Phone: [+90 262 303 3192](tel:+902623033192)

Fax Phone: [+90 262 303 3192](tel:+902623033192)

Email: aykan@kocaeli.edu.tr

Web: <https://avesis.kocaeli.edu.tr/aykan>

International Researcher IDs

ORCID: 0000-0001-9668-335X

Publons / Web Of Science ResearcherID: F-5198-2018

Yoksis Researcher ID: 8196

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

1. Evaluation of hexabromocyclododecane (HBCD), polybrominated dibenzo-p-dioxins/furans

(PBDD/Fs) and polychlorinated dibenzo-p-dioxins/furans (PCDD/Fs) outflows during the destruction of HBCD wastes in a hazardous waste incinerator

Canli O., Güzel B., Öktem Olgun E., Çetintürk K., Uludağ İ., Görhan B., Dede Ş., Erçel Ş., KARADEMİR A.
Science of the Total Environment, vol.927, 2024 (SCI-Expanded)

- II. **Spatial distribution, source identification, and risk assessment of polychlorinated organic pollutants (PCDD/Fs and DL-PCBs) in the sediments of the largest urban water supply area (Iznik lake) in the Marmara region, Bursa, Türkiye**
Guzel B., Cetinturk K., Canli O., KARADEMİR A.
CATENA, vol.234, 2024 (SCI-Expanded)
- III. **Comparison of two air quality models in complex terrain near seashore**
Zeydan Ö., KARADEMİR A.
Atmosfera, vol.37, pp.113-130, 2023 (SCI-Expanded)
- IV. **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, vol.29, no.60, pp.90923-90935, 2022 (SCI-Expanded)
- V. **NO_x emission modeling at cement plants with co-processing alternative fuels using ANN**
Öztürk B., Öztürk O., Karademir A.
ENVIRONMENTAL ENGINEERING RESEARCH, vol.27, no.5, pp.1-7, 2022 (SCI-Expanded)
- VI. **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 (SCI-Expanded)
- VII. **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 (SCI-Expanded)
- VIII. **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 (SCI-Expanded)
- IX. **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 (SCI-Expanded)
- X. **Crude Oil Contaminated Sites: Evaluation by Using Risk Assessment Approach**
Cocarta D. M., Stoian M. A., KARADEMİR A.
SUSTAINABILITY, vol.9, no.8, 2017 (SCI-Expanded)
- XI. **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 (SCI-Expanded)
- XII. **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 (SCI-Expanded)
- XIII. **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 (SCI-Expanded)
- XIV. **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 (SCI-Expanded)

XV. 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 (SCI-Expanded)

XVI. 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 (SCI-Expanded)

XVII. 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 (SCI-Expanded)

XVIII. 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 (SCI-Expanded)

XIX. 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 (SCI-Expanded)

XX. 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 (SCI-Expanded)

XXI. 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 (SCI-Expanded)

XXII. 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 (SCI-Expanded)

XXIII. 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 (SCI-Expanded)

XXIV. 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 (SCI-Expanded)

XXV. 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 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

I. Removal of Gaseous Styrene by Biotrickling Filter

ARDA C., KUYUMCU N., YILMAZ Ş., KARADEMİR A., AKSAN S., ERGÜL H. A.

4th International Environmental Chemistry Congress (EnviroChem), Antalya, Turkey, 30 October 2022, vol.1, pp.58

- II. **KAĞIT ENDÜSTRİSİ ATIK SULARINDAN BOR GİDERİMİ**
ÇEKEN A., KARADEMİR A., VELİ S.
International Marmara Sciences Congress (Imascon 2022 Spring), Kocaeli, Turkey, 13 May 2022, vol.1, pp.471-478
- III. **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
- IV. **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
- V. **EVALUATION OF PCDD FPOLLUTION IN THE MUSSEL MYTILUS GALLOPRVINCIALIS TISSUE IN IZMIT 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
- VI. **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
- VII. **Probabilistic Health Risk Assesment Of Pccd/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
- VIII. **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
- IX. **Heavy Metal Concentrations in Bottom Sediment Samples from Izmit Bay**
Ergül H. A., Karademir A., Topcuoğlu S.
EGU2011, Vienna, Austria, 3 - 08 April 2011
- X. **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
- XI. **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

Expert Reports

- I. **2015/231-sayılı davaya ilişkin bilirkişi raporu**
ERGÜL H. A., KARADEMİR A., GÜRER Ö. F., COŞKUN S. B., KILIÇ A.
2016

Supported Projects

ASLAN S., KARADEMİR A., Project Supported by Higher Education Institutions, KOCAELİ'NDE ATMOSFERİK PAH, PCB VE

AĞIR METAL KİRLİLİĞİNİN LİKENLER İLE BELİRLENMESİ, 2017 - 2019

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 BÖLÜMÜNDE TEMEL İŞLEMLER LABORATUVARININ KURULMASI, 2014 - 2015

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

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

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

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

Metrics

Publication: 80

Citation (WoS): 804

Citation (Scopus): 899

H-Index (WoS): 13

H-Index (Scopus): 14

Non Academic Experience

Kocaeli Üniversitesi Çevre Müh. Bölümü

Kocaeli Üniversitesi Çevre Müh. Bölümü

Kocaeli Üniversitesi Çevre Müh. Bölümü