

Prof. GİZEM EKER ŞANLI

Personal Information

Office Phone: [+90 224 294 2116](tel:+902242942116)

Fax Phone: [+90 224 294 2116](tel:+902242942116)

Email: geker@uludag.edu.tr

Web: <https://avesis.uludag.edu.tr/geker>

International Researcher IDs

ScholarID: zIUwDrcAAAAJ

ORCID: 0000-0002-7175-2942

Publons / Web Of Science ResearcherID: AAH-3216-2021

ScopusID: 57221337244

Yoksis Researcher ID: 157991

Education Information

Doctorate, Bursa Uludağ University, Fen Bilimleri Enstitüsü, Fen Bilimleri Enstitüsü, Turkey 2007 - 2013

Postgraduate, Bursa Uludağ University, Fen Bilimleri Enstitüsü, Fen Bilimleri Enstitüsü, Turkey 2001 - 2004

Undergraduate, Bursa Uludağ University, Mühendislik Fakültesi, Çevre Mühendisliği, Turkey 1997 - 2001

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Engineering and Technology

Academic Titles / Tasks

Associate Professor, Bursa Uludağ University, Mühendislik Fakültesi, Çevre Mühendisliği, 2018 - Continues

Assistant Professor, Bursa Uludağ University, Mühendislik Fakültesi, Çevre Mühendisliği, 2015 - 2018

Research Assistant, Bursa Uludağ University, Mühendislik Fakültesi, Çevre Mühendisliği, 2002 - 2015

Courses

CEV3102 Toplumsal Duyarlılık Projesi, Undergraduate, 2019 - 2020

Akademik Araştırma ve Raporlama Teknikleri, Undergraduate, 2020 - 2021

CEV1031 Çevre Mühendisliğine Giriş, Undergraduate, 2017 - 2018

Aritma Çamurlarının Tasfiyesi, Undergraduate, 2018 - 2019

ORGANİK MİKROKİRLETİCİLER VE KONTROLÜ, Postgraduate, 2017 - 2018

CEV 4107 Bitirme Projesi Hazırlık, Undergraduate, 2017 - 2018

CEV 4101 Çevre Mühendisliği Projesi II, Undergraduate, 2017 - 2018

CEV 4006 Bitirme Projesi, Undergraduate, 2017 - 2018

CEV 5000 Çevre Mühendisliğinde Araştırma Teknikleri ve Yayın Etiği, Postgraduate, 2017 - 2018

Çevre Mühendisliği Projesi II, Undergraduate, 2016 - 2017

Advising Theses

EKER ŞANLI G., Polychlorinated biphenyl (pcb) concentrations and air-soil exchange in olive lands in Bursa, Postgraduate, Ş.Nur(Student), 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Accumulations and temporal trends of polychlorinated biphenyls (PCBs) in olive tree components**
EKER ŞANLI G., TAŞDEMİR Y.
ENVIRONMENTAL GEOCHEMISTRY AND HEALTH, vol.44, no.8, pp.2577-2594, 2022 (SCI-Expanded)
- II. **Temporal Variations of PCBs and Their Estimated Air-Soil Exchange Fluxes Measured in Seven Sites in Bursa-Turkey**
EKER ŞANLI G., TAŞDEMİR Y.
Soil and Sediment Contamination, 2022 (SCI-Expanded)
- III. **Regional-temporal Trends and Risk Assessment of Polychlorinated Biphenyls (PCBs) in Olive Lands in Bursa, Turkey**
Erkul S. N., EKER ŞANLI G.
SOIL & SEDIMENT CONTAMINATION, vol.31, no.6, pp.715-737, 2022 (SCI-Expanded)
- IV. **Prediction of Polycyclic Aromatic Hydrocarbons (PAHs) Removal from Wastewater Treatment Sludge Using Machine Learning Methods**
ÇAĞLAR GENÇOSMAN B., EKER ŞANLI G.
WATER AIR AND SOIL POLLUTION, vol.232, no.3, 2021 (SCI-Expanded)
- V. **Performance Evaluation of Diethylamine to the Removal of Polycyclic Aromatic Hydrocarbons (PAHs) from Polluted Soils with Sunlight**
Eker G., ŞENGÜL B., CİNDORUK S. S.
Polycyclic Aromatic Compounds, vol.41, pp.306-318, 2021 (SCI-Expanded)
- VI. **Effects of Hydrogen Peroxide and Temperature on Removal of Polycyclic Aromatic Hydrocarbons (Pahs) from Soil during Photodegradation Applications**
ŞENGÜL B., EKER ŞANLI G., SAKIN A. E.
SOIL & SEDIMENT CONTAMINATION, vol.30, no.4, pp.436-448, 2021 (SCI-Expanded)
- VII. **Removal PCBs in soil using of H2O2 during UVA applications**
Tandogan B., EKER ŞANLI G.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.36, no.2, pp.779-792, 2021 (SCI-Expanded)
- VIII. **Seasonal variations of organochlorine pesticides (OCPs) in air samples during day and night periods in Bursa, Turkey**
Sanlı G., Taşdemir Y.
Atmospheric Pollution Research, vol.11, pp.2142-2153, 2020 (SCI-Expanded)
- IX. **Removal of Polycyclic Aromatic Hydrocarbons (PAHs) from Industrial Soil with Solar and UV Light**
Eker G., Şengül B.
POLYCYCLIC AROMATIC COMPOUNDS, vol.40, pp.1238-1250, 2020 (SCI-Expanded)
- X. **Determination of Polychlorinated Biphenyl (PCB) concentrations of olive groves in spring season**
Erkul S. N., EKER ŞANLI G.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.35, no.2, pp.1003-1014, 2020 (SCI-Expanded)

- XI. **Effect of UV wavelength, temperature and photocatalyst on the removal of PAHs from industrial soil with photodegradation applications**
EKER ŞANLI G., Hatipoglu M.
ENVIRONMENTAL TECHNOLOGY, vol.40, no.28, pp.3793-3803, 2019 (SCI-Expanded)
- XII. **Atmospheric Deposition of Organochlorine Pesticides (OCPs): Species, Levels, Diurnal and Seasonal Fluctuations, Transfer Velocities**
EKER ŞANLI G., TAŞDEMİR Y.
ARCHIVES OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.75, no.4, pp.625-633, 2018 (SCI-Expanded)
- XIII. **Spatial variations of polycyclic aromatic hydrocarbons (pahs) concentrations in olive grove area soils in Bursa**
EKER ŞANLI G.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.32, no.2, pp.607-616, 2017 (SCI-Expanded)
- XIV. **Spatial Distribution of Polycyclic Aromatic Hydrocarbon (PAH) Concentrations in Soils from Bursa, Turkey.**
Karaca G.
Archives of environmental contamination and toxicology, vol.70, no.2, pp.406-17, 2016 (SCI-Expanded)
- XV. **Removal of polycyclic aromatic hydrocarbons (PAHs) from inorganic clay mineral: Bentonite.**
Karaca G., Baskaya H. S., TAŞDEMİR Y.
Environmental science and pollution research international, vol.23, no.1, pp.242-52, 2016 (SCI-Expanded)
- XVI. **Removal of polycyclic aromatic hydrocarbons (pahs) from organized industry district treatment sludges with photochemical degradation: Ambient air applications Organize sanayi bölgesi aritma çamurlarındaki poliaromatik hidrokarbonların (pah) fotokimyasal parçalanma yoluyla giderimi: açık hava uygulamaları**
Karaca G., TAŞDEMİR Y.
Journal of the Faculty of Engineering and Architecture of Gazi University, vol.30, no.4, pp.557-565, 2015 (SCI-Expanded)
- XVII. **Application of Advanced Oxidation Processes for Polycyclic Aromatic Hydrocarbons Removal from Municipal Treatment Sludge**
Karaca G., Tasdemir Y.
Clean - Soil, Air, Water, vol.43, no.2, pp.191-196, 2015 (SCI-Expanded)
- XVIII. **Migration of PAHs in food industry sludge to the air during removal by UV and TiO₂**
Karaca G., TAŞDEMİR Y.
Science of the Total Environment, no.1, pp.356-361, 2014 (SCI-Expanded)
- XIX. **Application of various methods for removal of polycyclic aromatic hydrocarbons from synthetic solid matrices**
Karaca G., TAŞDEMİR Y.
Environmental Technology (United Kingdom), vol.35, no.14, pp.1840-1850, 2014 (SCI-Expanded)
- XX. **Migration of polycyclic aromatic hydrocarbons (PAHs) in urban treatment sludge to the air during PAH removal applications**
Karaca G., CİNDORUK S. S., TAŞDEMİR Y.
JOURNAL OF THE AIR & WASTE MANAGEMENT ASSOCIATION, vol.64, no.5, pp.568-577, 2014 (SCI-Expanded)
- XXI. **Polycyclic Aromatic Hydrocarbons (PAHs) Removal Applications in the Industrial Treatment Sludge using UV and TiO₂**
Karaca G., Tasdemir Y.
JOURNAL OF RESIDUALS SCIENCE & TECHNOLOGY, vol.11, no.2, pp.65-70, 2014 (SCI-Expanded)
- XXII. **Temporal and spatial variations in PAH concentrations in the sediment from the Nilufer Creek in Bursa, Turkey**
Karaca G., TAŞDEMİR Y.
Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental

- Engineering, vol.49, no.8, pp.900-912, 2014 (SCI-Expanded)
- XXIII. **Effects of Temperature and Photocatalysts on Removal of Polycyclic Aromatic Hydrocarbons (PAHs) from Automotive Industry Sludge**
Karaca G., TAŞDEMİR Y.
Polycyclic Aromatic Compounds, vol.33, no.4, pp.380-395, 2013 (SCI-Expanded)
- XXIV. **Removal of polycyclic aromatic hydrocarbons (PAHs) from industrial sludges in the ambient air conditions: Automotive Industry**
Karaca G., TAŞDEMİR Y.
Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, vol.48, no.8, pp.855-861, 2013 (SCI-Expanded)
- XXV. **Removal of polycyclic aromatic hydrocarbons from municipal sludge using UV light**
SALİHOĞLU N. K., Karaca G., SALİHOĞLU G., TAŞDEMİR Y.
DESALINATION AND WATER TREATMENT, vol.44, pp.324-333, 2012 (SCI-Expanded)
- XXVI. **EFFECT OF DIETHYLAMINE ON PAH REMOVAL FROM MUNICIPAL SLUDGE UNDER UV LIGHT**
Karaca G., TAŞDEMİR Y.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.20, pp.1777-1784, 2011 (SCI-Expanded)
- XXVII. **Comparison of Polycyclic Aromatic Hydrocarbons Levels in Sludges from Municipal and Industrial Wastewater Treatment Plants**
SALİHOĞLU N. K., Salihoglu G., Tasdemir Y., CİNDORUK S. S., Yolsal D., Ogulmus R., Karaca G.
ARCHIVES OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.58, no.3, pp.523-534, 2010 (SCI-Expanded)
- XXVIII. **Properties of steel foundry electric arc furnace dust solidified/stabilized with Portland cement.**
Salihoglu G., Pinarli V., Salihoglu N. K., Karaca G.
Journal of environmental management, vol.85, no.1, pp.190-7, 2007 (SCI-Expanded)
- XXIX. **Stabilization and solidification of waste phosphate sludge using Portland cement and fly ash as cement substitute**
Pinarli V., Karaca G., Salihoglu G., Salihoglu N.
JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZARDOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING, vol.40, no.9, pp.1763-1774, 2005 (SCI-Expanded)

Articles Published in Other Journals

- I. **Farklı Toprak Kullanım Alanlarında Poliaromatik Hidrokarbon (PAH) Kirliliği: İlkbahar Mevsimi**
EKER ŞANLI G., Sivri S.
Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, vol.21, no.63, pp.805-817, 2019 (Peer-Reviewed Journal)
- II. **Removal of Polychlorinated Biphenyls (PCBs) from Soils Using Additives: Ambient Air Applications**
Tandoğan B., EKER ŞANLI G.
Journal of Biological Environmental Sciences, vol.13, no.37, pp.1-8, 2019 (Peer-Reviewed Journal)
- III. **Determination of Soil Pollution Derived From Polychlorinated Biphenyls (PCBs) in Bursa: Spatial and Temporal Variations**
EKER ŞANLI G., Tandoğan B.
MANAS Journal of Engineering, vol.7, no.1, pp.42-51, 2019 (Peer-Reviewed Journal)
- IV. **Immobilization of Heavy Metals in Waste Phosphate Coating Sludge Using Kiln Dust as Portland Cement Substitute**
EKER G., PINARLI V.
Civil Engineering and Architecture, 2018 (Scopus)
- V. **UV-A IŞINLARIYLA TOPRAKLARDAKİ POLİAROMATİK HİDROKARBONLARIN (PAH'LARIN) GİDERİMİNDE TiO₂'İN FOTOKATALİZÖR OLARAK KULLANIMI**
EKER G.

- Ömer Halis Demir Mühendislik Bilimleri Dergisi, 2018 (Peer-Reviewed Journal)
- VI. **SANAYİ BÖLGESİ TOPRAKLARINDA POLİKLORLU BİFENİLLERİN (PCB'LERİN) GİDERİMİ İÇİN FOTOPARÇALAMA UYGULAMALARI**
EKER G., Tandoğan B., Küçük A., Özkan Ç.
Çevre Bilim ve Teknoloji, 2017 (Peer-Reviewed Journal)
- VII. **Endüstriyel Arıtma Çamurlarındaki Poliaromatik Hidrokarbonların PAH ların Sıcaklık ve UV Işınları Etkisiyle Havaya Geçişleri**
KARACA G., TAŞDEMİR Y.
Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, vol.21, no.1, pp.1-12, 2016 (Peer-Reviewed Journal)
- VIII. **ALICI SU ORTAMLARINDAKİ POLİHALKALI AROMATİK HİDROKARBONLARIN PAH LAR KONSANTRASYONLARININ BÖLGESEL DEĞİŞİMİ NİLÜFER ÇAYI ÖRNEĞİ**
EKER G., TAŞDEMİR Y.
Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, vol.21, no.1, pp.191-204, 2016 (Peer-Reviewed Journal)
- IX. **Çelik endüstrisi baca tozlarında çinko ve kurşun stabilizasyonu**
PINARLI V., SALİHOĞLU G., EKER ŞANLI G., SALİHOĞLU N. K.
Çevre Bilimleri, vol.7, pp.1-6, 2014 (Peer-Reviewed Journal)
- X. **Çevresel Uygulamalarda Çimento Kullanımı Tehlikeli Atık Bertarafı**
SALİHOĞLU G., KARACA G.
Çimento ve Beton Dünyası, vol.15, pp.60-68, 2010 (Non Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **BİR TEKSTİL İŞLETMESİNDE ENERJİ MALİYETLERİNİN VE KARBON AYAK İZİNİN AZALTILMASINA İLİŞKİN BİR ARAŞTIRMA**
Değirmen D., Eker Şanlı G.
4th International Congress on Agriculture, Environment and Health, Afyonkarahisar, Turkey, 20 - 22 May 2021, pp.473-487
- II. **Seasonal Variations of Organochlorine Pesticides (OCPs) in Air Samples during Day and Night Periods in Bursa, Turkey**
EKER ŞANLI G., TAŞDEMİR Y.
18th World Clean Air Congress, Turkey, 23 - 27 September 2019
- III. **UTILIZATION OF SCRAP TIRES AND WASTE OIL AS SUPPLEMENTARY FUELS IN CEMENT PRODUCTION**
EKER ŞANLI G., PINARLI V.
The Thirty-Fourth International Conference on Solid Waste Technology and Management, 31 March - 03 April 2019
- IV. **Chemical Fixation of Automotive Industry Coating Sludge Containing Nickel and Zinc Using Silica Fume as an Alternative Binder to Portland Cement**
EKER G., PINARLI V.
ICENS 4th International Conference on Engineering and Natural Science, 2 - 06 May 2018
- V. **Nilüfer Çayı Sedimentinde Polisiklik Aromatik Hidrokarbon (PAH) Seviyelerinin İncelenmesi**
EKER G., TAŞDEMİR Y.
Uluslararası Su ve Çevre Kongresi, Bursa, Turkey, 22 March 2018
- VI. **Bursa Topraklarında Kış Mevsiminde Polihalkali Aromatik Hidrokarbon (PAH) Kaynaklı Kirlilik Seviyesinin Belirlenmesi**
EKER G.
uluslararası su ve çevre kongresi, 22 - 24 March 2018
- VII. **Gemilerin Bakım-Onarım Çalışmalarından Kaynaklanan Deniz Kirliliğinin Azaltılması İçin Alınacak Önlemler**
Demir E., EKER G.

uluslararası su ve çevre kongresi, 22 - 24 March 2018

- VIII. **Organaklorlu Pestisitlerin (OCP'lerin) Doğançı Barajı'na Atmosferik Çökeltmelerinin İncelenmesi**
Leylek A. T., EKER G., TAŞDEMİR Y.
Uluslararası Su ve Çevre Kongresi SUÇEV, Bursa, Turkey, 22 - 24 March 2018, pp.1817-1825
- IX. **Nilüfer Çayı Sedimentinde Polisiklik Aromatik Hidrokarbon (PAH) Seviyelerinin**
EKER G., TAŞDEMİR Y.
Uluslararası Su ve Çevre Kongresi SUÇEV, Bursa, Turkey, 22 - 24 March 2018, pp.1807-1816
- X. **Evaporation of Polycyclic Aromatic Hydrocarbons (PAHs) from the Automotive Treatment Sludge During PAH Photodegradation Applications**
EKER G., TAŞDEMİR Y.
8th Atmospheric Sciences Symposium – ATMOS 2017, İstanbul, Turkey, 1 - 04 November 2017, pp.249-259
- XI. **Sanayi Bölgesi Topraklarında Poliklorlu Bifenillerin (PCB'lerin) Giderimi İçin Fotoparçalama Uygulamaları**
EKER G., Tandoğan B., Küçük A., Özkan Ç.
12. Ulusal Çevre Mühendisliği Kongresi, Ankara, Turkey, 5 - 07 October 2017
- XII. **Immobilization of Heavy Metals in Waste Phosphate Coating Sludge Using Kiln Dust as Portland Cement Substitute**
EKER G., PINARLI V.
"Sixth International Conference on Environmental Engineering, Planning and Economics (CEMEPE 2017) SECOTOX Conference, 25 - 30 June 2017
- XIII. **LEVELS OF POLYCYCLIC AROMATIC HYDROCARBON PAH CONCENTRATIONS IN SURFACE SOILS BURSA SUMMER SEASON**
EKER G., Hatipoğlu M.
1st INTERNATIONAL BLACK SEA CONGRESS ON ENVIRONMENTAL SCIENCES (IBCESS), Giresun, Turkey, 31 August - 03 September 2016
- XIV. **Polycyclic Aromatic Hydrocarbons PAHs Removal Applications in the Industrial Treatment Sludge Using UV and TiO₂**
KARACA G., TAŞDEMİR Y.
4th European Conference on Sludge Management, İzmir, Turkey, 26 - 27 May 2014
- XV. **Effect of Photosensitizer Diethylamine on the Evaporation of Polycyclic Aromatic Hydrocarbons PAHs from the Industrial Sludge**
KARACA G., TAŞDEMİR Y.
4th European Conference on Sludge Management, İzmir, Turkey, 26 - 27 May 2014
- XVI. **Kentsel Arıtma Çamurlarındaki Poliaromatik Hidrokarbonların Uzaklaştırılmasında Alternatif Yöntemler**
KARACA G., TAŞDEMİR Y.
3. Uluslararası Bursa Su Kongresi ve Sergisi, Bursa, Turkey, 22 - 24 March 2013, pp.999-1006
- XVII. **Kentsel Arıtma Çamurlarındaki Poliaromatik Hidrokarbonların PAH lar Uzaklaştırılmasında Fenton Uygulamaları**
KARACA G., TAŞDEMİR Y.
4. Ulusal Katı Atık Yönetimi Kongresi, UKAY 2012, ANTAYLYA, Turkey, 17 - 20 October 2012, pp.30
- XVIII. **Migration of PAHs in Food Industry Sludge to the Air During Removal by UV and TiO₂**
KARACA G., TAŞDEMİR Y.
Air Quality Management at Urban, Regional and Global Scales 4th International Symposium and IUAPPA Regional Conference, İstanbul, Turkey, 10 - 13 September 2012, pp.80
- XIX. **The Study of Applicability of Limit Values for PAHs on Soil in Turkey**
GÜLÇİÇEK G., TOROZ İ., ALP K., HANEDAR A., AVŞAR E., KARACA G.
Second International Conference on Air Pollution and Combustion, Antalya, Turkey, 19 - 23 September 2011
- XX. **Effect of Diethylamine on PAH Removal from Municipal Sludge Under UV Light**
KARACA G., TAŞDEMİR Y.
Uluslararası Sürdürülebilir Su ve Atıksu Sempozyumu, Konya, Turkey, 26 - 28 October 2010, vol.2, pp.1249-1256

- XXI. **Bursa daki Atıksu Arıtma Tesislerinde Oluşan Çamurlarda Çok Halkalı Aromatik Hidrokarbonların PAH Seviyeleri**
SALİHOĞLU N. K., SALİHOĞLU G., CİNDORUK S. S., KARACA G., YOLSAL D., OĞULMUŞ R., TAŞDEMİR Y.
Türkiye'de Katı Atık Yönetimi Sempozyumu (TÜRKAY), İstanbul, Turkey, 15 - 17 June 2009, pp.559-565
- XXII. **Cement use for Environmental Purposes Hazardous Waste Treatment**
SALİHOĞLU G., KARACA G., PINARLI V.
Third International Symposium Sustainability in Cement and Concrete, İstanbul, Turkey, 21 - 23 May 2007, vol.1, pp.214-221
- XXIII. **Otomotiv Endüstrisi Tehlikeli Atıklarının Çimento Fabrikalarında Ek Yakıt Olarak Geri Kazanımı**
PINARLI V., KARACA G., ÜNLÜ H.
3. Otomotiv Teknolojileri Kongresi, Bursa, Turkey, 26 - 28 June 2006, pp.1
- XXIV. **Otomotiv Endüstrisi Atık Çamurlarının Kimyasal Fiksasyonu Stabilizasyonu ve Solidifikasyonu**
SALİHOĞLU N. K., PINARLI V., EKER G., SÖL Z.
Dokuz Eylül Üniversitesi Mühendislik Fakültesi 2. Ulusal Katı Atık Kongresi, İzmir, Turkey, 7 - 09 May 2003, pp.6-13

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