

## Prof. FATMA ESEN

### Personal Information

Office Phone: [+90 294 202 8](tel:+902942028)

Fax Phone: [+90 294 263 5](tel:+902942635)

Email: [payan@uludag.edu.tr](mailto:payan@uludag.edu.tr)

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

Address: Bursa Uludağ Üniversitesi, Müh. Fak. Çevre Müh. Bölümü Nilüfer Bursa



### International Researcher IDs

ScholarID: oxaax1WAAAJ

ORCID: 0000-0002-1445-0868

Publons / Web Of Science ResearcherID: AAG-8469-2021

ScopusID: 10340657500

Yoksis Researcher ID: 157989

### Education Information

Doctorate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Çevre Mühendisliği (Dr), Turkey 2000 - 2006

Postgraduate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Çevre Mühendisliği (YI) (Tezli), Turkey 1994 - 1997

Undergraduate, Dokuz Eylül University, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, Turkey 1988 - 1993

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Bursa atmosferindeki polisiklik aromatik hidrokarbonların (PAH'xxların) gaz/partikül konsantrasyon dağılımları ve kuru çökelme miktarları, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, FEN BİLİMLERİ ENSTİTÜSÜ, 2006

Postgraduate, BURSA İLİNİN HAVA KİRLİLİĞİ HARİTASININ ÇIKARTILMASI, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, FEN BİLİMLERİ ENSTİTÜSÜ, 1997

### Research Areas

Environmental Engineering, Engineering and Technology

### Academic Titles / Tasks

Professor, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, ÇEVRE MÜHENDİSLİĞİ, 2020 - Continues

Associate Professor, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, ÇEVRE MÜHENDİSLİĞİ, 2013 - 2020  
Assistant Professor, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, ÇEVRE MÜHENDİSLİĞİ, 2011 - 2013  
Lecturer, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, ÇEVRE MÜHENDİSLİĞİ, 1999 - 2011  
Research Assistant, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, ÇEVRE MÜHENDİSLİĞİ, 1994 - 1999

## Academic and Administrative Experience

Rectorate Commissioner, Bursa Uludağ University, Mühendislik Fakültesi, Çevre Mühendisliği, 2024 - Continues  
Staj Başkanı, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, ÇEVRE MÜHENDİSLİĞİ, 2024 - Continues  
Rektörlük Akademik Teşvik Değerlendirme Komisyonu Üyesi, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, ÇEVRE MÜHENDİSLİĞİ, 2023 - Continues  
Internship Committee Member, Bursa Uludağ University, Mühendislik Fakültesi, Çevre Mühendisliği, 2017 - 2024  
Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, ÇEVRE MÜHENDİSLİĞİ, 2020 - 2023  
Deputy Head of Department, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, ÇEVRE MÜHENDİSLİĞİ, 2020 - 2023  
Staj Başkanı, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, ÇEVRE MÜHENDİSLİĞİ, 2011 - 2017

## Courses

Çevre Kirliliği ve Kontrolünde Enerji Verimliliği, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016  
Çevre Mühendisliği Projesi, Undergraduate, 2022 - 2023, 2021 - 2022  
Bitirme Projesi Hazırlık, Undergraduate, 2023 - 2024, 2022 - 2023  
Doktora Uzmanlık Alan Dersi III, Doctorate, 2023 - 2024  
Yüksek Lisans Uzmanlık Alan Dersi I, Postgraduate, 2023 - 2024  
Seminer, Undergraduate, 2022 - 2023, 2021 - 2022  
Bitirme Projesi, Undergraduate, 2022 - 2023, 2021 - 2022  
Kütle Transferi, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020  
Hava Kirliliği, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2007 - 2008, 2006 - 2007  
Yüksek Lisans Uzmanlık Alan Dersi II, Postgraduate, 2022 - 2023  
Doktora Uzmanlık Alan IV, Doctorate, 2022 - 2023  
Koku Emisyonu ve Kontrol Yöntemleri, Postgraduate, 2023 - 2024, 2022 - 2023  
Doktora Uzmanlık Alan dersi, Doctorate, 2021 - 2022  
Doktora Uzmanlık Alan dersi, Doctorate, 2022 - 2023  
Tehlikeli Hava Kirleticileri ve Risk Analizi, Doctorate, 2022 - 2023  
Yüksek Lisans Uzmanlık alan dersi, Postgraduate, 2022 - 2023  
Yüksek Lisans Uzmanlık alan dersi, Postgraduate, 2021 - 2022  
Kariyer Planlama, Undergraduate, 2022 - 2023, 2021 - 2022  
Hava Kirliliği Kontrol Mühendisliği, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2004 - 2005  
Hava Kirliliği Ölçümleri ve Ölçüm Esasları, Undergraduate, 2019 - 2020  
İş Güvenliği ve İşçi Sağlığı, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011  
İstatistik, Undergraduate, 2003 - 2004

## Advising Theses

Esen F., NİLÜFER ÇAYI ÜZERİNDEKİ HAVA, SU VE SEDİMENT ÖRNEKLERİNDEKİ ORGANİK KİRLETİCİLERİN VE KAYNAKLARININ BELİRLENMESİ, Doctorate, M.FERHAT(Student), 2023

Esen F., DEĞİŞİK ÖZELLİKLERE SAHİP İÇ VE DIŞ ORTAM HAVASINDA PCBKONSANTRASYONLARININ DEĞERLENDİRİLMESİ, Postgraduate, E.AVCI(Student), 2023

Esen F., Bursa ili iç ve dış ortam havasında organoklorlu pestisit (OCP) seviyelerinin değerlendirilmesi, Postgraduate, S.SHANABO(Student), 2022

Esen F., Determination of polycyclic aromatic hydrocarbon (PAH) concentrations in the ambient air, bee, honey and pollen samples in Bursa, Postgraduate, E.GÜRKAN(Student), 2019

Esen F., Determination of temporal and spatial changes of polychlorinated biphenyl (PCB) concentrations with the active-passive air samplers and bee-bee products, Postgraduate, M.FERHAT(Student), 2019

ESEN F., Investigation of polyaromatic hydrocarbons (PAHs) indoor and outdoor environment air samples in Bursa, Postgraduate, G.KAYIKÇI(Student), 2017

ESEN F., Determination of seasonal variation of polycyclic aromatic hydrocarbons (PAHs) with active and passive air sampling methods, Postgraduate, Y.MİNE(Student), 2016

## Jury Memberships

Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Bursa Uludağ Üniversitesi, February, 2022

Associate Professor Exam, Associate Professor Exam, Bursa Uludağ University, January, 2022

Associate Professor Exam, Associate Professor Exam, Bursa Uludağ University, December, 2020

Associate Professor Exam, Associate Professor Exam, Bursa Uludağ University, September, 2020

Associate Professor Exam, Associate Professor Exam, Bursa Uludağ University, September, 2020

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Polycyclic Aromatic Hydrocarbon (PAH) Residues in the Honeybee, Honey, and Pollen and Estimation of Atmospheric Concentrations in Bursa, Turkey**  
Sari M. F., Esen F.  
Polycyclic Aromatic Compounds, vol.44, no.1, pp.457-472, 2024 (SCI-Expanded)
- II. **Air and soil concentrations of persistent organic pollutants in Bursa (Türkiye) and Yurimaguas (Peru): air-soil exchange and gas-phase flux**  
ESEN F., Cordova Del Aguila D. A., Sari M. F.  
Air Quality, Atmosphere and Health, vol.16, no.11, pp.2239-2255, 2023 (SCI-Expanded)
- III. **Concentration levels, spatial variations and exchanges of polychlorinated biphenyls (PCBs) in ambient air, surface water and sediment in Bursa, Türkiye**  
Sari M. F., ESEN F., Cetin B.  
SCIENCE OF THE TOTAL ENVIRONMENT, vol.880, 2023 (SCI-Expanded)
- IV. **Concentration levels and an assessment of human health risk of polycyclic aromatic hydrocarbons (PAHs) and polychlorinated biphenyls (PCBs) in honey and pollen**  
Sari M. F., ESEN F.  
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.29, no.44, pp.66913-66921, 2022 (SCI-Expanded)
- V. **Investigation of polychlorinated biphenyls (PCBs) residues and retention rates in two different face masks used during the COVID-19 lockdown period**  
Sari M. F., Esen F., Tasdemir Y.  
Hygiene and Environmental Health Advances, vol.4, no.100016, pp.100016, 2022 (SCI-Expanded)
- VI. **Atmospheric concentration, spatial variations, and source identification of persistent organic**

**pollutants in urban and semi-urban areas using passive air samplers in Bursa, Turkey**

Sari M. F., Esen F.

ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.29, pp.32082-32092, 2022 (SCI-Expanded)

- VII. **Effect of COVID-19 on PM10 and SO2 concentrations in Turkey**  
Sari M. F., Esen F.  
ENVIRONMENTAL FORENSICS, vol.23, no.5-6, pp.445-454, 2022 (SCI-Expanded)
- VIII. **Existence of SARS-CoV-2 RNA on ambient particulate matter samples: A nationwide study in Turkey**  
Kayalar O., ARI A., Babuccu G., Konyalilar N., Dogan O., Can F., ALVER ŞAHİN Ü., Gaga E. O., KUZU S. L., ARI P. E., et al.  
SCIENCE OF THE TOTAL ENVIRONMENT, vol.789, 2021 (SCI-Expanded)
- IX. **Characterization, source apportionment, air/plant partitioning and cancer risk assessment of atmospheric PAHs measured with tree components and passive air sampler**  
Sari M. F., Esen F., Taşdemir Y.  
ENVIRONMENTAL RESEARCH, vol.194, 2021 (SCI-Expanded)
- X. **Levels of polychlorinated biphenyls (PCBs) in honeybees and bee products and their evaluation with ambient air concentrations**  
Sari M. F., Esen F., Taşdemir Y.  
ATMOSPHERIC ENVIRONMENT, vol.244, 2021 (SCI-Expanded)
- XI. **Organochlorine pesticides in honeybee, pollen and honey in Bursa, Turkey**  
Güneş M. E., Sari M. F., Esen F.  
FOOD ADDITIVES & CONTAMINANTS PART B-SURVEILLANCE, vol.14, no.2, pp.126-132, 2021 (SCI-Expanded)
- XII. **Atmospheric concentration, source identification, and health risk assessment of persistent organic pollutants (POPs) in two countries: Peru and Turkey**  
Sari M. F., Cordova Del Aguila D. A., Taşdemir Y., Esen F.  
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.192, 2020 (SCI-Expanded)
- XIII. **Passive sampler derived polychlorinated biphenyls (PCBs) in indoor and outdoor air in Bursa, Turkey: Levels and an assessment of human exposure via inhalation**  
Sari M. F., ESEN F., Del Aguila D. A. C., KURT KARAKUŞ P. B.  
ATMOSPHERIC POLLUTION RESEARCH, vol.11, no.6, pp.71-80, 2020 (SCI-Expanded)
- XIV. **Biomonitoring and Source Identification of Polycyclic Aromatic Hydrocarbons (PAHs) Using Pine Tree Components from Three Different Sites in Bursa, Turkey**  
Sari M. F., ESEN F., TAŞDEMİR Y.  
ARCHIVES OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.78, no.4, pp.646-657, 2020 (SCI-Expanded)
- XV. **Atmospheric Polycyclic Aromatic Hydrocarbons (PAHs) at Two Sites, in Bursa, Turkey: Determination of Concentrations, Gas-Particle Partitioning, Sources, and Health Risk**  
Ayyıldız E. G., ESEN F.  
ARCHIVES OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.78, no.3, pp.350-366, 2020 (SCI-Expanded)
- XVI. **Determination of polychlorinated biphenyls in honeybee, pollen, and honey samples from urban and semi-urban areas in Turkey**  
Sari M. F., Ayyıldız E. G., ESEN F.  
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.27, no.4, pp.4414-4422, 2020 (SCI-Expanded)
- XVII. **Major air pollutants in Bursa, Turkey: their levels, temporal changes, interactions, and sources**  
Sari M. F., Taşdemir Y., Esen F.  
ENVIRONMENTAL FORENSICS, vol.20, pp.182-195, 2019 (SCI-Expanded)
- XVIII. **Assessments of seasonal trend, gas-particle partitioning and deposition flux of polycyclic aromatic hydrocarbons at a semi-rural site**  
Esen F., Taşdemir Y., Bozkurt Y. M.  
JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZARDOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING, vol.54, no.6, pp.572-581, 2019 (SCI-Expanded)
- XIX. **Determination of polyaromatic hydrocarbons (PAHs) in indoor and outdoor air samples in Bursa**

ESEN F., Kayikci G.

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.33, no.4, pp.1531-1541, 2018 (SCI-Expanded)

- XX. **Polycyclic aromatic hydrocarbons in indoor and outdoor air in Turkey: Estimations of sources and exposure**  
ESEN F., Kayikci G.  
ENVIRONMENTAL FORENSICS, vol.19, no.1, pp.39-49, 2018 (SCI-Expanded)
- XXI. **Effects of sampling interval on the passive air sampling of atmospheric PCBs levels**  
SAKIN A. E., ESEN F., TAŞDEMİR Y.  
JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZARDOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING, vol.52, no.7, pp.673-679, 2017 (SCI-Expanded)
- XXII. **Evaluation and application of a passive air sampler for polycyclic aromatic hydrocarbons (PAHs)**  
ESEN F., Evci Y. M., TAŞDEMİR Y.  
JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZARDOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING, vol.52, no.10, pp.1022-1029, 2017 (SCI-Expanded)
- XXIII. **Monitoring of Long-Term Outdoor Concentrations of PAHs with Passive Air Samplers and Comparison with Meteorological Data**  
Evci Y. M., ESEN F., TAŞDEMİR Y.  
ARCHIVES OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.71, no.2, pp.246-256, 2016 (SCI-Expanded)
- XXIV. **Development of a Passive Sampling Device Using Polyurethane Foam (PUF) to Measure Polychlorinated Biphenyls (PCBs) and Organochlorine Pesticides (OCPs) near Landfills**  
Esen F.  
ENVIRONMENTAL FORENSICS, vol.14, no.1, pp.1-8, 2013 (SCI-Expanded)
- XXV. **Determination of mass transfer rates and deposition levels of polycyclic aromatic hydrocarbons (PAHs) using a modified water surface sampler**  
ESEN F., TAŞDEMİR Y., CİNDORUK S. S.  
ATMOSPHERIC POLLUTION RESEARCH, vol.1, no.3, pp.177-183, 2010 (SCI-Expanded)
- XXVI. **Dry deposition, concentration and gas/particle partitioning of atmospheric carbazole**  
ESEN F., Tasdemir Y., CİNDORUK S. S.  
ATMOSPHERIC RESEARCH, vol.95, no.4, pp.379-385, 2010 (SCI-Expanded)
- XXVII. **Seasonal concentrations and partitioning of PAHs in a suburban site of Bursa, Turkey**  
Vardar N., ESEN F., Tasdemir Y.  
ENVIRONMENTAL POLLUTION, vol.155, no.2, pp.298-307, 2008 (SCI-Expanded)
- XXVIII. **Deposition of polycyclic aromatic hydrocarbons (PAHs) and their mass transfer coefficients determined at a trafficked site**  
Tasdemir Y., ESEN F.  
ARCHIVES OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.55, no.2, pp.191-198, 2008 (SCI-Expanded)
- XXIX. **Atmospheric concentrations of PAHs, their possible sources and gas-to-particle partitioning at a residential site of Bursa, Turkey**  
ESEN F., Tasdemir Y., Vardar N.  
ATMOSPHERIC RESEARCH, vol.88, pp.243-255, 2008 (SCI-Expanded)
- XXX. **Bulk deposition of polycyclic aromatic hydrocarbons (PAHs) in an industrial site of Turkey**  
ESEN F., CİNDORUK S. S., Tasdemir Y.  
ENVIRONMENTAL POLLUTION, vol.152, no.2, pp.461-467, 2008 (SCI-Expanded)
- XXXI. **Measurement of atmospheric deposition of polychlorinated biphenyls and their dry deposition velocities in an urban/industrial site in Turkey**  
Cindoruk S. S., Esen F., Vardar N., Tasdemir Y.  
JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZARDOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING, vol.43, pp.1252-1260, 2008 (SCI-Expanded)

- XXXII. **Concentration and gas/particle partitioning of polychlorinated biphenyls (PCBs) at an industrial site at Bursa, Turkey**  
Cindoruk S. S., Esen F., Tasdemir Y.  
ATMOSPHERIC RESEARCH, vol.85, pp.338-350, 2007 (SCI-Expanded)
- XXXIII. **Urban air PAHs: Concentrations, temporal changes and gas/particle partitioning at a traffic site in Turkey**  
Tasdemir Y., Esen F.  
ATMOSPHERIC RESEARCH, vol.84, no.1, pp.1-12, 2007 (SCI-Expanded)
- XXXIV. **Dry deposition fluxes and deposition velocities of PAHs at an urban site in Turkey**  
Tasdemir Y., Esen F.  
ATMOSPHERIC ENVIRONMENT, vol.41, no.6, pp.1288-1301, 2007 (SCI-Expanded)
- XXXV. **Ambient concentrations and gas/particle partitioning of polycyclic aromatic hydrocarbons in an urban site in Turkey**  
Esen F., Cindoruk S. S., Tasdemir Y.  
ENVIRONMENTAL FORENSICS, vol.7, no.4, pp.303-312, 2006 (SCI-Expanded)
- XXXVI. **Monitoring of criteria air pollutants in Bursa, Turkey**  
Tasdemir Y., Cindoruk S. S., Esen F.  
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.110, pp.227-241, 2005 (SCI-Expanded)
- XXXVII. **Evaluation of NO<sub>x</sub> and O<sub>3</sub> concentrations in the atmosphere of Bursa, Turkey**  
Esen F., Tasdemir Y., Cindoruk S.  
ENVIRONMENTAL FORENSICS, vol.6, no.3, pp.311-317, 2005 (SCI-Expanded)

## Articles Published in Other Journals

- I. **BURSA'DAKİ İÇ VE DIŞ ORTAM HAVASINDA ORGANOKLORLU PESTİSİTLER (OCP'LER): KONSANTRASYON DAĞILIMLARI, MUHTEMEL KAYNAKLARI VE SAĞLIK RİSKLERİ**  
Sari M. F., Esen F., Shanoba S.  
Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, vol.23, no.3, pp.705-720, 2023 (Peer-Reviewed Journal)
- II. **BURSA ATMOSFERİNDEKİ POLİSİKLIK AROMATİK HİDROKARBON KONSANTRASYONLARI VE MUHTEMEL KAYNAKLARININ BELİRLENMESİ**  
Sari M. F., Esen F.  
Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, vol.27, no.3, pp.961-973, 2022 (Peer-Reviewed Journal)
- III. **Determination of organochlorine pesticide (OCP) residues in air and pollen samples and pollutant partition between these environments**  
Sari M. F., ESEN F.  
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE ÜNİVERSİTESİ MUHENDİSLİK BİLİMLERİ DERGİSİ, vol.28, no.6, pp.881-887, 2022 (ESCI)
- IV. **BURSA ULUDAĞ ÜNİVERSİTESİ KAMPÜSÜNDEKİ ATMOSFERİK PAH'LARIN SEZONSAL DEĞİŞİMİNİN BELİRLENMESİ**  
ESEN F., Gürkan Ayyıldız E., Bozkurt Y. M.  
Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, vol.24, pp.711-724, 2019 (Peer-Reviewed Journal)
- V. **PM<sub>10</sub> VE SO<sub>2</sub> KONSANTRASYONLARI VE METEOROLOJİK PARAMETRELERİN KONSANTRASYONLAR ÜZERİNE ETKİLERİ**  
Sari M. F., ESEN F.  
Niğde Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi, vol.8, pp.689-697, 2019 (Peer-Reviewed Journal)
- VI. **BURSA'DA TRAFİĞİN YOĞUN OLDUĞU BİR BÖLGEDE PASİFHAVA ÖRNEKLEYİCİ KULLANARAK POLİKLORLUBİFENİLLERİN (PCB'lerin) KONSANTRASYONLARININ MEVSİMSEL OLARAK BELİRLENMESİ**  
ESEN F., SAKIN A. E., Sari M. F.

Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, vol.22, no.3, pp.225-233, 2017 (Peer-Reviewed Journal)

VII. **İÇ VE DIŞ ORTAM HAVA ÖRNEKLERİNDE POLİAROMATİK HİDROKARBONLARIN (PAH'ların) İNCELENMESİ: BURSA ÖRNEĞİ**

ESEN F., Kayıkçı G.

Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, vol.22, no.3, pp.213-224, 2017 (Peer-Reviewed Journal)

### Refereed Congress / Symposium Publications in Proceedings

- I. **Concentration, Temporal Variation and Sources Identification of Polycyclic Aromatic Hydrocarbons (PAHs) In Olive Leaf in Bursa, Turkey**  
ESEN F., Sari M. F., TAŞDEMİR Y.  
13th PORTUGAL International Conference on Healthcare, Environment, Food and Biological Sciences, Lizbon, Portugal, 18 - 20 December 2019, vol.1, pp.47-51
- II. **BURSA'DA İÇ VE DIŞ ORTAM HAVA ÖRNEKLERİNDE POLİAROMATİK HİDROKARBONLARIN (PAH'ların) BELİRLENMESİ**  
ESEN F., Sari M. F.  
HEZARFEN Uluslararası Fen Matematik ve Mühendislik Bilimleri Kongresi, İzmir, Turkey, 8 - 10 November 2019, vol.1, pp.126-140
- III. **Energy Efficiency Applications: Metal Industries**  
Hasdemir I., ESEN F., Sari M. F.  
1st International Conference on Environment, Technology and Management (ICETEM), Niğde, Turkey, 27 - 29 June 2019, vol.1, pp.708-715
- IV. **DETERMINATION OF POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) CONCENTRATION IN INDOOR AND OUTDOOR AIR**  
ESEN F., Sari M. F.  
1st International Conference on Environment, Technology and Management (ICETEM), Niğde, Turkey, 27 - 29 June 2019, vol.1, pp.716-723
- V. **Pasif Hava Örnekleyici Yardımıyla Farklı Numune Alma Materyallerinin Polisiklik Aromatik Hidrokarbon Ve Poliklorlu Bifenil Konsantrasyonları Üzerindeki Etkileri**  
ESEN F., Sari M. F.  
6. Uluslararası Multidisipliner Çalışmaları Kongresi, Gaziantep, Turkey, 26 - 27 April 2019, vol.1, pp.415-425
- VI. **Bursa'da İç ve Dış Ortam Havasındaki Yarı-Uçucu Organik Bileşiklerin Konsantrasyonları ile Muhtemel Kaynaklarının Belirlenmesi**  
ESEN F., Sari M. F., Gürkan Ayyıldız E.  
6. Uluslararası Multidisipliner Çalışmaları Kongresi, Gaziantep, Turkey, 26 - 27 April 2019, vol.1, pp.179-191
- VII. **Bursa'da Kentsel ve Yarı-kentsel bölgelerden alınan hava örneklerinde PAH'ların konsantrasyon seviyelerinin mevsimsel olarak incelenmesi**  
Gürkan Ayyıldız E., ESEN F., Sari M. F.  
6. Uluslararası Multidisipliner Çalışmaları Kongresi, Gaziantep, Turkey, 26 - 27 April 2019, vol.1, pp.193-203
- VIII. **Determination of Atmospheric PAHs Concentration by Using Honeybee and Passive Air Samplers**  
Gürkan Ayyıldız E., Sari M. F., GÜNEŞ M. E., TAŞDEMİR Y., ESEN F.  
Proceedings of the 4th World Congress on Civil, Structural, and Environmental Engineering (CSEE'19), Roma, Italy, 7 - 09 April 2019
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## **Scientific Consultations**

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## **Awards**

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