

# Prof. İPEK İMAMOĞLU

## Personal Information

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## International Researcher IDs

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## Education Information

Doctorate, University of Wisconsin-Milwaukee, Department Of Civil Engineering And Mechanics, United States Of America  
1998 - 2001

Postgraduate, University of Newcastle Upon Tyne, Civil Engineering, United Kingdom 1995 - 1996

Undergraduate, Middle East Technical University, Faculty of Engineering, Department of Environmental Engineering,  
Turkey 1991 - 1995

## Foreign Languages

English, C1 Advanced

## Dissertations

Doctorate, PCB Sources and Degradation in River Sediments Determined by Receptor Modeling, University Of Wisconsin-Milwaukee, Department Of Civil Engineering And Mechanics, 2001

Postgraduate, A Comparative Study of the Biosorption, Sedimentation and Desorption of Zinc, Copper and Nickel Ions on Different Biomasses, University Of Newcastle Upon Tyne, Civil Engineering, 1996

## Research Areas

Environmental Engineering, Engineering and Technology

## Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Engineering, Department of Environmental Engineering, 2014 -  
Continues

Associate Professor, Middle East Technical University, Faculty of Engineering, Department of Environmental Engineering,

2009 - 2014

Assistant Professor, Middle East Technical University, Faculty of Engineering, Department of Environmental Engineering, 2003 - 2009

Lecturer, Middle East Technical University, Faculty of Engineering, Department of Environmental Engineering, 2002 - 2003

## Academic and Administrative Experience

Vice Dean, Middle East Technical University, Faculty of Engineering, 2012 - 2015

Deputy Head of Department, Middle East Technical University, Faculty of Engineering, Department of Environmental Engineering, 2009 - 2012

Middle East Technical University, Faculty of Engineering, Department of Environmental Engineering, 2003 - 2005

## Courses

FUNDAMENTALS OF ENVIRONMENTAL ENGINEERING, Undergraduate, 2017 - 2018

## Advising Theses

İMAMOĞLU İ., Chemical alternatives assessment for substitution of hazardous chemicals with safer alternatives, Postgraduate, D.RAHİM(Student), 2021

İMAMOĞLU İ., Prediction of fate of selected priority pollutants considering their transformation products using in-silico methods, Postgraduate, N.Gülücük(Student), 2020

ÜNALAN H. E., İMAMOĞLU İ., Investigation of Desalination Performance of Capacitive Deionization Technology, Postgraduate, S.ÖZKUL(Student), 2019

İMAMOĞLU İ., Investigation of biotic degradation of hexabromocyclododecane (HBCDD), Postgraduate, İ.KARAHAN(Student), 2018

İMAMOĞLU İ., TUNCEL S. G., Determination of organic particle composition in ankara atmosphere and investigation of their contribution to receptor modeling, Doctorate, E.KOÇAK(Student), 2017

İMAMOĞLU İ., Sustainable remediation of aquatic sediments contaminated with polybrominated diphenyl ethers and hexabromocyclododecane, Doctorate, H.DEMİRTEPE(Student), 2017

İMAMOĞLU İ., Heterogeneous fenton oxidation process using natural martite and hydrogen peroxide for treatment of color in water, Postgraduate, A.RAHMANI(Student), 2017

İMAMOĞLU İ., Sonocatalytic fenton oxidation process using natural martite for treatment of color in water, Postgraduate, M.DINDARSAFA(Student), 2017

İMAMOĞLU İ., Model development for evaluating remediation of contaminated sediments: pcbs and pbdes as cases for halogenated hydrophobic organics, Doctorate, F.KARAKAŞ(Student), 2016

İMAMOĞLU İ., TUNCEL S. G., Source apportionment of volatile organic compounds in Ankara atmosphere, Postgraduate, E.SENA(Student), 2015

İMAMOĞLU İ., TUNCEL S. G., Source apportionment of trace elements in Ankara, Postgraduate, İ.ÇELİK(Student), 2014

İMAMOĞLU İ., Evaluation of Turkey's status in terms of compliance with the requirements of the Stockholm Convention, Postgraduate, E.ŞİLTU(Student), 2014

İMAMOĞLU İ., Environmentally friendly copper electroplating process development, Postgraduate, N.ÜLGÜDÜR(Student), 2013

İMAMOĞLU İ., Modeling anaerobic dechlorination of polychlorinated biphenyls, Postgraduate, H.DEMİRTEPE(Student), 2012

SANİN F. D., İMAMOĞLU İ., Attenuation of polychlorinated biphenyls (PCBs) under anaerobic conditions, Doctorate, D.Kaya(Student), 2012

İMAMOĞLU İ., Application of two receptor models for the investigation of sites contaminated with polychlorinated biphenyls: Positive matrix factorization and chemical mass balance, Postgraduate, F.DEMİRCİOĞLU(Student), 2010

İMAMOĞLU İ., Occurrence, distribution and sources of polychlorinated biphenyls at selected industrial sites in Turkey, Doctorate, K.GEDİK(Student), 2010

İMAMOĞLU İ., Investigation of PCB pollution: Method validation and case studies from Ankara, Postgraduate, N.AKDUMAN(Student), 2009

İMAMOĞLU İ., Investigation of cadmium removal mechanisms by clinoptilolite, Postgraduate, İ.İPÇİ(Student), 2009

İMAMOĞLU İ., Use of clinoptilolite for copper and nickel removal from aqueous solutions, Postgraduate, V.ÇAĞIN(Student), 2006

İMAMOĞLU İ., Use of clinoptilolite for copper and nickel removal from aqueous solutions, Postgraduate, V.Çağın(Student), 2006

İMAMOĞLU İ., Investigation of zinc and lead removal from aqueous solution using clinoptilolite, Postgraduate, N.MORALI(Student), 2006

İMAMOĞLU İ., Investigation of zinc and lead removal from aqueous solutions using clinoptilolite, Postgraduate, N.Moralı(Student), 2006

İMAMOĞLU İ., Cadmium removal using clinoptilolite: Influence of conditioning and regeneration, Postgraduate, K.GEDİK(Student), 2006

## Designed Lessons

İmamoğlu İ., FATE OF POLLUTANTS IN THE ENVIRONMENT, Postgraduate, 2004 - 2005

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

- I. **Mechanistic inferences from empirical and LSER modeling approaches concerning sorption of organic compounds by pristine and aged PE microplastics**  
Özen E. Y., Canbulat Özdemir M., Hatinoğlu M. D., Apul O. G., İMAMOĞLU İ.  
Chemosphere, vol.368, 2024 (SCI-Expanded)
- II. **Linear solvation energy relationships for adsorption of aromatic organic compounds by microplastics**  
Hatinoğlu D., Adan A., Perreault F., İMAMOĞLU İ., Apul O. G.  
Chemical Engineering Science, vol.282, 2023 (SCI-Expanded)
- III. **Modification of Saharan dust size distribution during its transport over the Anatolian Plateau**  
UZUNPINAR E. S., İMAMOĞLU İ., Rahmani A., Tuncel G.  
Science of the Total Environment, vol.892, 2023 (SCI-Expanded)
- IV. **Trace element composition of fine and coarse particles at a background mountain station in Eastern Mediterranean: Assessment aerosol components and their source regions**  
Uzunpınar S., Balçılar I., İMAMOĞLU İ., Zararsız A., Kalaycı Y., Tuncel G.  
Atmospheric Environment, vol.307, 2023 (SCI-Expanded)
- V. **Microplastics & organics - a comparative study of sorption of triclosan and malachite green onto polyethylene**  
Ciftci G., Turkeli U. D., Ozen E. Y., Ozdemir M., SANİN F. D., İMAMOĞLU İ.  
WATER SCIENCE AND TECHNOLOGY, vol.87, no.5, pp.1072-1081, 2023 (SCI-Expanded)
- VI. **Factors affecting particle number size distributions at a suburban and a rural site at the Anatolian Plateau**  
UZUNPINAR E. S., İMAMOĞLU İ., Rahmani A., Tuncel G.  
Atmospheric Pollution Research, vol.13, no.7, 2022 (SCI-Expanded)
- VII. **Characterization and source apportionment of carbonaceous aerosols in fine particles at urban and suburban atmospheres of Ankara, Turkey**

Koçak E., Aslan Kilavuz S., Öztürk F., İmamoğlu I., Tuncel G.

ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.28, no.20, pp.25701-25715, 2021 (SCI-Expanded)

- VIII. **Development of a fate and transport model for biodegradation of PBDE congeners in sediments**  
Karakas F., Aksoy A., İmamoğlu İ.  
Environmental Pollution, vol.266, 2020 (SCI-Expanded)
- IX. **Assessment of PCB contamination, the potential for in situ microbial dechlorination and natural attenuation in an urban watershed at the East Coast of the United States**  
Kaya D., Sowers K. R., Demirtepe H., Stiel B., Baker J. E., İmamoğlu İ., Kjellerup B.  
SCIENCE OF THE TOTAL ENVIRONMENT, vol.683, pp.154-165, 2019 (SCI-Expanded)
- X. **Biostimulation enhanced the biotic degradation of hexabromocyclododecane in sediments**  
Demirtepe H., İmamoğlu İ.  
JOURNAL OF SOILS AND SEDIMENTS, vol.19, pp.2859-2868, 2019 (SCI-Expanded)
- XI. **Levels of polybrominated diphenyl ethers and hexabromocyclododecane in treatment plant sludge: Implications on sludge management**  
Demirtepe H., İmamoğlu İ.  
CHEMOSPHERE, vol.221, pp.606-615, 2019 (SCI-Expanded)
- XII. **Degradation of decabromodiphenyl ether (BDE-209) in microcosms mimicking sediment environment subjected to comparative bioremediation strategies**  
Demirtepe H., İmamoğlu İ.  
JOURNAL OF ENVIRONMENTAL MANAGEMENT, vol.233, pp.120-130, 2019 (SCI-Expanded)
- XIII. **Source identification of VOCs in METU Campus through factor analysis**  
UZUNPINAR E. S., SERT E. E., Kilavuz A. S., İMAMOĞLU İ., Tuncel G.  
GLOBAL NEST JOURNAL, vol.20, no.1, pp.109-114, 2018 (SCI-Expanded)
- XIV. **A comparative evaluation of anaerobic dechlorination of PCB-118 and Aroclor 1254 in sediment microcosms from three PCB-impacted environments**  
Kaya D., İmamoğlu İ., Sanin F. D., Sowers K. R.  
JOURNAL OF HAZARDOUS MATERIALS, vol.341, pp.328-335, 2018 (SCI-Expanded)
- XV. **Estimation of Anaerobic Debromination Rate Constants of PBDE Pathways Using an Anaerobic Dehalogenation Model**  
KARAKAS F., İMAMOĞLU İ.  
BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.98, no.4, pp.582-587, 2017 (SCI-Expanded)
- XVI. **Estimation of rate constants of PCB dechlorination reactions using an anaerobic dehalogenation model**  
KARAKAS F., İMAMOĞLU İ.  
JOURNAL OF HAZARDOUS MATERIALS, vol.324, pp.554-563, 2017 (SCI-Expanded)
- XVII. **Potential risk reduction of Aroclor 1254 by microbial dechlorination in anaerobic Grasse River sediment microcosms**  
Kaya D., İmamoğlu İ., Sanin F. D., Payne R. B., Sowers K. R.  
JOURNAL OF HAZARDOUS MATERIALS, vol.321, pp.879-887, 2017 (SCI-Expanded)
- XVIII. **PM<sub>2.5</sub> BOUND ORGANIC MOLECULAR MARKER SPECIATION METHODS AND OBSERVATIONS FROM DAILY MEASUREMENTS IN ANKARA, TURKEY**  
Kocak E., Kilavuz S. A., İMAMOĞLU İ., Tuncel G.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.26, no.1, pp.263-272, 2017 (SCI-Expanded)
- XIX. **Positive Matrix Factorization dynamics in fingerprinting: A comparative study of PMF<sub>2</sub> and EPA-PMF<sub>3</sub> for source apportionment of sediment polychlorinated biphenyls**  
Karakas F., İmamoğlu İ., Gedik K.  
ENVIRONMENTAL POLLUTION, vol.220, pp.20-28, 2017 (SCI-Expanded)
- XX. **PM<sub>2.5</sub> bound organic molecular marker Speciation methods and observations from Daily measurements in Ankara, Turkey**  
KOÇAK E., ASLAN KILAVUZ S., İMAMOĞLU İ., TUNCEL S. G.

- Fresenius Environmental Bulletin, vol.26, pp.263-272, 2017 (SCI-Expanded)
- XXI. **Evaluation of PCB dechlorination pathways in anaerobic sediment microcosms using an anaerobic dechlorination model**  
Demirtepe H., Kjellerup B., Sowers K. R., İmamoğlu İ.  
JOURNAL OF HAZARDOUS MATERIALS, vol.296, pp.120-127, 2015 (SCI-Expanded)
- XXII. **PCBs in Sludge: Development of a Practical Extraction Procedure and Its Application in an Urban Water Resource Recovery Facility**  
Kaya D., Karakas F., Sanin F. D., İmamoğlu İ.  
WATER ENVIRONMENT RESEARCH, vol.87, pp.145-151, 2015 (SCI-Expanded)
- XXIII. **Anaerobic mesophilic digestion of waste activated sludge in the presence of 2,3',4,4',5-pentachlorobiphenyl**  
Kaya D., İmamoğlu İ., Sanin F. D.  
INTERNATIONAL BIODETERIORATION & BIODEGRADATION, vol.83, pp.41-47, 2013 (SCI-Expanded)
- XXIV. **Levels, Distribution, and Sources of Polychlorinated Biphenyls in Sediments of Lake Eymir, Turkey**  
Gedik K., İmamoğlu İ.  
ARCHIVES OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.65, pp.203-211, 2013 (SCI-Expanded)
- XXV. **Impact of PCB-118 and transformer oil toxicity on anaerobic digestion of sludge: Anaerobic toxicity assay results**  
Kaya D., İmamoğlu İ., Sanin F. D.  
CHEMOSPHERE, vol.92, pp.821-827, 2013 (SCI-Expanded)
- XXVI. **Apportionment of PCB Sources Near a Transformer Maintenance and Repair Facility in Ankara, Turkey**  
Karakas F., Gedik K., İmamoğlu İ.  
BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.91, pp.141-147, 2013 (SCI-Expanded)
- XXVII. **Current Situation and Future Perspectives in Municipal Wastewater Treatment and Sludge Management in Turkey**  
Insel G., Kendir E., Ayol A., Erdinçler A., Arıkan O. A., İmamoğlu İ., Alagoz B. A., Gencsoy E. B., Sanin F. D., Buyukkamaci N., et al.  
JOURNAL OF RESIDUALS SCIENCE & TECHNOLOGY, vol.10, pp.133-138, 2013 (SCI-Expanded)
- XXVIII. **Levels and sources of polychlorinated biphenyls in Ankara creek sediments, Turkey**  
Ozyurek N. A., Gedik K., Siltu E., İmamoğlu İ.  
JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZARDOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING, vol.48, pp.800-808, 2013 (SCI-Expanded)
- XXIX. **Sustainable Use of Natural Zeolites in the Treatment of Wastes**  
İMAMOĞLU İ., Gedik K.  
HANDBOOK OF NATURAL ZEOLITES, pp.509-518, 2012 (SCI-Expanded)
- XXX. **Chemical Mass Balance (CMB) Evaluation of Polychlorinated Biphenyl (PCB) Sources in Sediments of Kizilirmak River, Turkey, Near a Scrap Yard**  
Gedik K., İmamoğlu İ.  
ENVIRONMENTAL FORENSICS, vol.13, pp.39-44, 2012 (SCI-Expanded)
- XXXI. **Environmental Applications of Natural Zeolites**  
Kazemian H., Gedik K., İMAMOĞLU İ.  
HANDBOOK OF NATURAL ZEOLITES, pp.473-508, 2012 (SCI-Expanded)
- XXXII. **A preliminary investigation of the environmental impact of a thermal power plant in relation to PCB contamination**  
Gedik K., İmamoğlu İ.  
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.18, pp.968-977, 2011 (SCI-Expanded)
- XXXIII. **Assessment of temporal variation and sources of PCBs in the sediments of Mediterranean Sea, Mersin Bay, Turkey**  
Gedik K., İmamoğlu İ.  
MARINE POLLUTION BULLETIN, vol.62, pp.173-177, 2011 (SCI-Expanded)

- XXXIV. **Spatial distribution and source apportionment of PCBs in sediments around Izmit industrial complexes, Turkey**  
Gedik K., Demircioglu F., İmamoğlu İ.  
CHEMOSPHERE, vol.81, pp.992-999, 2010 (SCI-Expanded)
- XXXV. **An Assessment of the Spatial Distribution of Polychlorinated Biphenyl Contamination in Turkey**  
Gedik K., İmamoğlu İ.  
CLEAN-SOIL AIR WATER, vol.38, pp.117-128, 2010 (SCI-Expanded)
- XXXVI. **Removal of cadmium from aqueous solutions using clinoptilolite: Influence of pretreatment and regeneration**  
Gedik K., İmamoğlu İ.  
JOURNAL OF HAZARDOUS MATERIALS, vol.155, pp.385-392, 2008 (SCI-Expanded)
- XXXVII. **Affinity of clinoptilolite-based zeolites towards removal of Cd from aqueous solutions**  
Gedik K., İmamoğlu İ.  
SEPARATION SCIENCE AND TECHNOLOGY, vol.43, pp.1191-1207, 2008 (SCI-Expanded)
- XXXVIII. **Use of a natural mineral for the removal of copper and nickel from aqueous solutions to reduce heavy metal content of precipitation sludges**  
Cagin V., Morali N., Imamoglu I.  
JOURNAL OF RESIDUALS SCIENCE & TECHNOLOGY, vol.4, pp.45-54, 2007 (SCI-Expanded)
- XXXIX. **Sources and dechlorination of polychlorinated biphenyl congeners in the sediments of Fox River, Wisconsin**  
Imamoglu I., Li K., Christensen E., McMullin J.  
ENVIRONMENTAL SCIENCE & TECHNOLOGY, vol.38, pp.2574-2583, 2004 (SCI-Expanded)
- XL. **Modeling polychlorinated biphenyl congener patterns and dechlorination in dated sediments from the Ashtabula River, Ohio, USA**  
Imamoglu I., Li K., Christensen E.  
ENVIRONMENTAL TOXICOLOGY AND CHEMISTRY, vol.21, pp.2283-2291, 2002 (SCI-Expanded)
- XLI. **PCB sources, transformations, and contributions in recent Fox River, Wisconsin sediments determined from receptor modeling**  
Imamoglu I., Christensen E.  
WATER RESEARCH, vol.36, pp.3449-3462, 2002 (SCI-Expanded)
- XLII. **PCB sources and degradation in sediments of Ashtabula River, Ohio, USA, determined from receptor models**  
Imamoglu I., Li K., Christensen E.  
WATER SCIENCE AND TECHNOLOGY, vol.46, pp.89-96, 2002 (SCI-Expanded)
- XLIII. **PAHs in dated sediments of Ashtabula River, Ohio, USA**  
Li K., Christensen E., Van Camp R., Imamoglu I.  
ENVIRONMENTAL SCIENCE & TECHNOLOGY, vol.35, pp.2896-2902, 2001 (SCI-Expanded)
- XLIV. **Apportionment of polycyclic aromatic hydrocarbon sources in lower Fox River, USA, sediments by a chemical mass balance model**  
Su M., Christensen E., Karls J., Kosuru S., Imamoglu I.  
ENVIRONMENTAL TOXICOLOGY AND CHEMISTRY, vol.19, pp.1481-1490, 2000 (SCI-Expanded)
- XLV. **Screening of various types biomass for removal and recovery of heavy metals (Zn, Cu, Ni) by biosorption, sedimentation and desorption**  
Bakkaloglu I., Butter T., Evison L., Holland F., Hancock I.  
WATER SCIENCE AND TECHNOLOGY, vol.38, pp.269-277, 1998 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Hexabromosiklododekanın Biyolojik Bozunumunun İncelenmesi**  
Karahana I., Demirtepe H., İmamoğlu İ.

ÇMO Çevre Bilim ve Teknoloji Dergisi, vol.2, no.2, pp.28-39, 2017 (Peer-Reviewed Journal)

- II. **Source apportionment of volatile organic compounds in Ankara Atmosphere**  
UZUNPINAR E. S., ASLAN KILAVUZ S., İMAMOĞLU İ., SERT e., YURDAKUL S., TUNCEL S. G.  
ÇEVRE BİLİM VE TEKNOLOJİ, vol.1, pp.89-105, 2016 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Interactions of organic contaminants with UV-aged PE type microplastics: experimental and LSER model approach**  
Özdemir M., Hatinoğlu D., Özen E. Y., İmamoğlu İ.  
5th International Environmental Chemistry Congress (EnviroChem), Antalya, Turkey, 30 October - 02 November 2023, pp.60
- II. **Mikro atıklar ve mikro kirleticiler: Polietilen mikroplastiklerin UV ile yaşlandırılması ve çeşitli organik kirleticiler ile etkileşimlerinin incelenmesi**  
Türkeli Ü. D., Tapan K., Uygur M., Özdemir M., İmamoğlu İ.  
11. Ulusal Katı Atık Yönetimi Kongresi, Ardahan, Turkey, 18 - 21 October 2023, pp.1
- III. **POLİETİLENİN ATIKSU ARITMA TESİSLERİNE ETKİLERİ VE BİYOLOJİK YAŞLANMASI**  
Dassouki Dit Tahan M., Zaineh L., ÖZDEMİR M., İMAMOĞLU İ., SANİN F. D.  
11. Ulusal Katı Atık Kongresi, Ardahan, Turkey, 18 October 2023
- IV. **Tetrachloroethane Sorption onto Pristine and Aged Polyethylene Type Microplastics**  
Çiftçi G., Çalışkan R., Özdemir M., İmamoğlu İ.  
DIOXIN 2023, Maastricht, Netherlands, 10 - 14 September 2023, pp.421
- V. **Interaction of an ionizable halogenated organic with high and low density polyethylene**  
Adan A., Özdemir M., Sanin F. D., İmamoğlu İ.  
DIOXIN 2023, Maastricht, Netherlands, 10 - 14 September 2023, pp.549
- VI. **Bio-aging of Polyethylene And Its Impact on Sorption of Organic Contaminants**  
Dassouki Dit Tahan M., Özdemir M., Sanin F. D., İmamoğlu İ.  
DIOXIN 2023, Maastricht, Netherlands, 10 - 14 September 2023, pp.548
- VII. **TRICLOSAN SORBS HIGHLY ON MICROPLASTICS**  
Özen E. Y., Türkeli Ü. D., Çiftçi G., ÖZDEMİR M., SANİN F. D., İMAMOĞLU İ.  
6th EurAsia Waste Management Symposium, İstanbul, Turkey, 24 - 26 October 2022
- VIII. **INTERACTION OF MICROPLASTICS WITH ORGANICS: ECOSYSTEM IMPACTS AND EQUILIBRIUM MODELING**  
Uçkan A. Y., Türkan M. K., İMAMOĞLU İ.  
6th EurAsia Waste Management Symposium, İstanbul, Turkey, 24 - 26 October 2022
- IX. **A Comparative Sorption Study for Phenol and Trichlorophenol onto Polyethylene Type Microplastics**  
Adan A., Koçuş B., ÖZDEMİR M., SANİN F. D., İMAMOĞLU İ.  
6th EURASIA Waste Management Symposium, 24 October 2022
- X. **Microplastics & Organics – A comparative study of sorption of triclosan & malachite green onto polyethylene**  
Çiftçi G., Türkeli Ü. D., Özen E. Y., ÖZDEMİR M., SANİN F. D., İMAMOĞLU İ.  
IWA World Water Congress, Kopenhag, Denmark, 11 - 15 September 2022
- XI. **HEXABROMOCYCLODODECANE (HBCDD) BIODEGRADATION IN ANAEROBIC SEDIMENT MESOCOSMS**  
Karahan İ., Demirtepe H., İmamoğlu İ.  
International Network of Environmental Forensics Conference, Utah, United States Of America, 25 - 27 June 2018, pp.1
- XII. **Sources and Sinks of PBDEs in Treatment Plant Sludges**  
Demirtepe H., İmamoğlu İ.  
International Network of Environmental Forensics Conference, Utah, United States Of America, 25 - 27 June 2018, pp.1

- XIII. **Sources and Sinks in Treatment Plant Sludges**  
DEMİRTEPE H., İMAMOĞLU İ.  
INEF 2018 International Network of Environmental Forensics, 25 - 27 June 2018, pp.33
- XIV. **Hexabromocyclododecane (HBCDD) Degradation in Anaerobic Sediments**  
Karahan İ., Demirtepe H., İmamoğlu İ.  
SMICE 2018, Rome, Italy, 23 - 25 May 2018, pp.308-310
- XV. **Brominated flame retardant levels in treatment plant sludges of Turkey**  
Demirtepe H., İmamoğlu İ.  
SMICE 2018, Rome, Italy, 23 - 25 May 2018, pp.25-27
- XVI. **TÜRKİYE'DE BROMLU ALEV GECİKTİRİCİ KİRLİLİK SEVİYELERİ VE TÜRKİYE ARITMA ÇAMURLARINDA İLK ÖLÇÜMLER**  
DEMİRTEPE H., İMAMOĞLU İ.  
12.Ulusal Çevre Mühendisliği Kongresi, Turkey, 5 - 07 October 2017
- XVII. **Hexabromosiklododekanın Biyolojik Bozunumunun İncelenmesi**  
Karahan I., DEMİRTEPE H., İMAMOĞLU İ.  
12.Ulusal Çevre Mühendisliği Kongresi, Turkey, 5 - 07 October 2017
- XVIII. **Kirlenmiş Sahalarda İyileştirme Stratejilerinin Geliştirilmesi**  
DEMİRTEPE H., İMAMOĞLU İ.  
12.Ulusal Çevre Mühendisliği Kongresi, Turkey, 5 - 07 October 2017
- XIX. **DETERMINATION OF AMBIENT ELEMENTEL AND ORGANICCARBON CONCENTRATIONS IN URBAN AND SUBURBANATMOSPHERES IN ANKARA: ESTIMATION OF SECONDARYORGANIC AEROSOL**  
KOÇAK E., ÖZTÜRK F., ASLAN KILAVUZ S., İMAMOĞLU İ., TUNCEL S. G.  
8th Atmospheric Sciences Symposium, İstanbul, Turkey, 1 - 04 November 2017
- XX. **DIURNAL VARIATION OF VOLATILE ORGANIC COMPOUNDCONCENTRATIONS IN SUBURBAN ANKARA ATMOSPHERE**  
UZUNPINAR E. S., Ezgi S., ASLAN KILAVUZ S., İMAMOĞLU İ., TUNCEL S. G.  
8th Atmospheric Sciences Symposium, İstanbul, Turkey, 1 - 04 November 2017, pp.150-153
- XXI. **Determination of Ambient Elemental and Organic Carbon Concentrations in Urban and Suburban Ankara Atmospheres: Estimation of Secondary Organic Aerosol**  
KOÇAK E., ÖZTÜRK F., ASLAN KILAVUZ S., İMAMOĞLU İ., TUNCEL S. G.  
8th Atmospheric Sciences Symposium –ATMOS 2017, 1 - 04 November 2017
- XXII. **DIURNAL VARIATION OF VOLATILE ORGANIC COMPOUNDCONCENTRATIONS IN SUBURBAN ANKARA ATMOSPHERE**  
UZUNPINAR E. S., EZGİ S., ASLAN KILAVUZ S., İMAMOĞLU İ., TUNCEL S. G.  
8th Atmospheric Sciences Symposium - 01-04 November 2017 - İstanbul - Turkey, 1 - 04 November 2017
- XXIII. **Ankara'da Kentsel Yerleşim ve Banlıyo İstasyonlarında Ölçülen Uçucu Organik Bileşik Konsantrasyonlarının Zamansal Değişimi**Elif Sena Uzunpınar,  
UZUNPINAR E. S., ezgi s., ASLAN KILAVUZ S., İMAMOĞLU İ., TUNCEL S. G.  
VII. Ulusal Hava Kirliliği ve Kontrolü Sempozyumu, Turkey, 1 - 03 November 2017
- XXIV. **ANKARA'DA PM2.5 FRAKSİYONUNDAKİ PARTİKÜLLERDE PAH DERİŞİMLERİNİN VE KAYNAKLARININ BELİRLENMESİ**  
KOÇAK E., ASLAN KILAVUZ S., İMAMOĞLU İ., TUNCEL S. G.  
VII. ULUSAL HAVA KİRLİLİĞİ VE KONTROLÜ SEMPOZYUMU, Antalya, Turkey, 1 - 03 November 2017
- XXV. **DETERMINATION OF AMBIENT ELEMENTEL AND ORGANIC CARBON CONCENTRATIONS IN URBAN AND SUBURBAN ATMOSPHERES IN ANKARA: ESTIMATION OF SECONDARY ORGANIC AEROSOL**  
KOÇAK E., ÖZTÜRK F., ASLAN KILAVUZ S., İMAMOĞLU İ., TUNCEL S. G.  
8th Atmospheric Sciences Symposium (ATMOS 2017), İstanbul, Turkey, 18 - 21 October 2017
- XXVI. **ANKARA'DA PM2.5 FRAKSİYONUNDAKİ PARTİKÜLLERDE N-ALKANOİK ASİT DERİŞİMLERİNİN İNCELENMESİ**  
KOÇAK E., ASLAN KILAVUZ S., İMAMOĞLU İ., TUNCEL S. G.  
12. ULUSAL ÇEVRE MÜHENDİSLİĞİ KONGRESİ, Ankara, Turkey, 5 - 07 October 2017



- XXVII. **In-Situ Bioremediation Alternatives for Sediments Contaminated with Hexabromocyclododecane**  
DEMİRTEPE H., İMAMOĞLU İ.  
Fourth International Symposium on Bioremediation and Sustainable Environmental Technologies, 22 - 25 May 2017
- XXVIII. **Mathematical Model Development for use in Bioremediation of PCB Contaminated Sediments**  
Karakas F., İMAMOĞLU İ.  
Ninth International Conference on Remediation and Management of Contaminated Sediments, 9 - 12 January 2017
- XXIX. **Prediction of PCB Dechlorination Rate Constants**  
Karakas F., İMAMOĞLU İ.  
Ninth International Conference on Remediation and Management of Contaminated Sediments, 9 - 12 January 2017
- XXX. **Abiotic Degradation of Decabromodiphenyl Ether (BDE-209) via Catalyzed Hydrogen Peroxide Propagations**  
DEMİRTEPE H., Hatipoğlu G., İMAMOĞLU İ.  
NINTH INTERNATIONAL CONFERENCE ON REMEDIATION AND MANAGEMENT OF CONTAMINATED SEDIMENTS, 9 - 12 January 2017
- XXXI. **Identification and Source Apportionment of Trace Elements in Suburban Area of Ankara**  
Çelik İ., Goli T., ASLAN KILAVUZ S., İMAMOĞLU İ., TUNCEL S. G.  
First International Black Sea Congress on Environmental Sciences (IBCESS), 31 August - 03 September 2016
- XXXII. **Identification of VOCs in METU Campus through factor analysis**  
uzunpinar e. s., sert e., ASLAN KILAVUZ S., İMAMOĞLU İ., TUNCEL S. G.  
First International Black Sea Congress on Environmental Sciences IBCESS, Giresun, Turkey, 31 August - 03 September 2016
- XXXIII. **PM2 5 bound PAH speciation methods and evaluation of seasonal concentrations**  
KOÇAK E., ASLAN KILAVUZ S., İMAMOĞLU İ., TUNCEL S. G.  
1st International Black Sea Congress on Environmental Sciences, Giresun, Turkey, 31 August - 03 September 2016, pp.93
- XXXIV. **Source Identification of VOCs in METU campus through factor analysis**  
UZUNPINAR E. S., Ezgi S., ASLAN KILAVUZ S., İMAMOĞLU İ., TUNCEL S. G.  
1st International Black Sea Congress on Environmental Sciences, Giresun, Turkey, 31 August - 03 September 2016, pp.864-892
- XXXV. **Identification and source apportionment of trace elements in suburban area of Ankara**  
Çelik İ., Goli T., ASLAN KILAVUZ S., İMAMOĞLU İ., TUNCEL S. G.  
1st International Black Sea Congress on Environmental Sciences, Giresun, Turkey, 31 August - 03 September 2016, pp.767-772
- XXXVI. **Evaluation of Remediation Alternatives for Reductive Debromination of Polybrominated Diphenyl Ethers**  
DEMİRTEPE H., İMAMOĞLU İ.  
36th International Symposium on Halogenated Persistent Organic Pollutants, 28 August - 02 September 2016
- XXXVII. **PM2 5 bound organic molecular marker speciation methods and observations from daily measurements in Ankara Turkey**  
KOÇAK E., ASLAN KILAVUZ S., İMAMOĞLU İ., TUNCEL S. G.  
18th International Symposium on Environmental Pollution and its impact on life in the Mediterranean Region, Girit, Greece, 26 - 30 September 2015
- XXXVIII. **Polybrominated Diphenyl Ethers in Treatment Plant Sludges Method Validation and First Results for Turkey**  
DEMİRTEPE H., İMAMOĞLU İ.  
35th International Symposium on Halogenated Organic Pollutants - Dioxin 2015, 23 - 28 August 2015
- XXXIX. **Regulatory Impact Assessment of Implementing the EU Persistent Organic Pollutants Regulation in Turkey**  
Kirhensteine I., İMAMOĞLU İ., Erdogdu S., Futo P., Holoubek I.  
35th International Symposium on Halogenated Organic Pollutants - Dioxin 2015, 23 - 28 August 2015

- XL. Identification of chemical compositions of aerosols in Ankara atmosphere**  
Çelik İ., ASLAN KILAVUZ S., İMAMOĞLU İ., TUNCEL S. G.  
Fifth International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2015) and SECOTOX conference, Mykonos, Greece, 14 - 18 June 2015
- XLl. Identification of chemical compositions of aerosols in Ankara s atmosphere**  
çelik i., ASLAN KILAVUZ S., İMAMOĞLU İ., TUNCEL S. G.  
Fifth International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2015) & SECOTOX Conference, 14 - 18 June 2015
- XLII. Comparison of Structural Properties of Copper Deposits from Sulfate and Pyrophosphate Electrolytes**  
ARSLAN B., Ulgudur N., ERDOĞAN M., İMAMOĞLU İ., KARAKAYA İ.  
Symposium on Fundamentals of Electrochemical Growth - From UPD to Microstructures 3 held during the 224th Meeting of the Electrochemical-Society (ECS), San-Francisco, Costa Rica, 27 October - 01 November 2013, vol.58, pp.105-113
- XLIII. Investigation of PCB levels and sources: The case of Ankara Creek, Turkey**  
Ozyurek N., Gedik K., İMAMOĞLU İ., Siltu E.  
242nd National Meeting of the American-Chemical-Society (ACS), Colorado, United States Of America, 28 August - 01 September 2011, vol.242
- XLIV. Investigation of the effect of variable CMB input data on source apportionment of PCBs in sediments**  
Gedik K., İMAMOĞLU İ.  
242nd National Meeting of the American-Chemical-Society (ACS), Colorado, United States Of America, 28 August - 01 September 2011, vol.242
- XLV. Exploration of the use of PMF for the investigation of PCB sources and fate in the aquatic environment**  
Karakas F., İMAMOĞLU İ.  
242nd National Meeting of the American-Chemical-Society (ACS), Colorado, United States Of America, 28 August - 01 September 2011, vol.242
- XLVI. Çevre Mühendisliğinin geleceğine yönelik görüşler**  
AKSOY A., İMAMOĞLU İ.  
2. Çevre Mühendisliği Eğitimi ve Meslek Alanındaki Gelişmeler Çalıştayı, Antalya, Turkey, 25 - 26 March 2011, pp.113-125

## Supported Projects

- İMAMOĞLU İ., TÜBİTAK Project, Bromlu Alev Geciktiricilerin Sucul Sedimanlardaki Akibetinin İncelenmesi, 2015 - 2018
- İMAMOĞLU İ., TUNCEL S. G., TÜBİTAK Project, Hava Kalitesine Yönelik, Kaynak Belirleme Çalışmaları ile Saptanabilen Kaynak Gruplarının Farklı Doğal İzleyiciler (Tracer) Kullanılarak Arttırılması, 2012 - 2017
- İMAMOĞLU İ., Project Supported by Higher Education Institutions, Kalıcı Organik Kirleticilerden Tekstil Sektöründe Kullanılan Alev Geciktiricilerin Akibetinin İncelenmesi, 2014 - 2016
- İmamoğlu İ., Sanin F. D., Project Supported by Higher Education Institutions, Eymir Gölü arazisinde trafo yağı kaynaklı PCB kirliliğinin belirlenmesi modellenmesi ve PCB li trafo yağlarının bertarafının incelenmesi, 2009 - 2011
- İMAMOĞLU İ., TÜBİTAK Project, Türkiye nin Poliklorlu Bifeniller Kaynaklı Kirlilik Durumunun Belirlenmesi ve Bu Kirleticilerin Akibetinin İncelenmesi TÜBİTAK KARIYER Proje No 104I126, 2005 - 2010
- İmamoğlu İ., Project Supported by Higher Education Institutions, Doğal zeolitlerin atıksu arıtımında kullanılabilirliği, 2003 - 2005
- İmamoğlu İ., Christensen E., Other International Funding Programs, Source Apportionment of Organic Pollutants in the Aquatic Environment Considering Fractionation Between Source and Receptor, 1998 - 2001

## Scientific Refereeing

ENVIRONMENTAL SCIENCE & TECHNOLOGY, SCI Journal, October 2023  
ENVIRONMENTAL POLLUTION, SCI Journal, December 2022  
WATER SCIENCE AND TECHNOLOGY, SCI Journal, November 2022  
MARINE POLLUTION BULLETIN THE INTERNATIONAL JOURNAL FOR MARINE ENVIRONMENTALISTS, SCIENTISTS, ENGINEERS, ADMINISTRATORS, POLITICIANS AND LAWYERS, SCI Journal, March 2022  
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, SCI Journal, March 2022  
chemosphere, SCI Journal, January 2022  
CHEMOSPHERE CHEMISTRY, BIOLOGY AND TOXICOLOGY AS RELATED TO ENVIRONMENTAL PROBLEMS, SCI Journal, January 2022  
ENVIRONMENTAL SCIENCE & TECHNOLOGY, SCI Journal, July 2021  
ENVIRONMENTAL SCIENCE & TECHNOLOGY, SCI Journal, March 2021  
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, SCI Journal, November 2020  
CHEMOSPHERE, SCI Journal, July 2020  
TUBITAK Project, 3001 - Initial R&D Projects Support Program, Middle East Technical University, Turkey, July 2020  
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, SCI Journal, June 2020  
SCIENCE OF THE TOTAL ENVIRONMENT, SCI Journal, May 2020  
TUBITAK Project, 1005 - National New Ideas and Products Research Support Program, Middle East Technical University, Turkey, May 2020  
CHEMOSPHERE, SCI Journal, April 2020  
JOURNAL OF HAZARDOUS MATERIALS, SCI Journal, March 2020  
SCIENCE OF THE TOTAL ENVIRONMENT, SCI Journal, October 2019  
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, SCI Journal, July 2019  
CHEMOSPHERE, SCI Journal, January 2019  
ENVIRONMENTAL SCIENCE & TECHNOLOGY, SCI Journal, March 2018

## Scientific Consultations

United Nations Development Program, Scientific Consultancy, Middle East Technical University, Faculty of Engineering, Department of Environmental Engineering, Turkey, 2020 - Continues  
United Nations Industrial Development Organization, Scientific Consultancy, Middle East Technical University, Faculty of Engineering, Department of Environmental Engineering, Turkey, 2020 - 2020

## Tasks In Event Organizations

Sanin F. D., Kocasoy G., Filibeli A., Çağlar N., Gökkurt Baki O., AKSOY A., İMAMOĞLU İ., 11. ULUSAL KATI ATIK YÖNETİMİ KONGRESİ (UKAY 2023), Scientific Congress, Ardahan, Turkey, Ekim 2023

## Metrics

Publication: 101  
Citation (WoS): 671  
Citation (Scopus): 759  
H-Index (WoS): 15  
H-Index (Scopus): 16

## **Congress and Symposium Activities**

International Network of Environmental Forensics Conference, Working Group, Utah, United States Of America, 2018  
SMICE2018, Working Group, Rome, Italy, 2018

## **Non Academic Experience**

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