

A Y S U N S O F U O G L U

İzmir Institute of Technology,
Department of Chemical Engineering and Environmental Research Center
Gulbahce, Urla 35430, İzmir, Turkey
phone +90-232-750-6650/6351 • fax +90-232-750-6645
e-mail aysunsofuoglu@iyte.edu.tr

QUALIFICATIONS

April, 2007 – present -- **Dept. of Chemical Engineering, İzmir Institute of Technology, İzmir, Turkey**

Director of the Environmental Research Center

Professor (2013-present)

Dean of the Graduate School (Jan, 2017- October, 2019)

- Graduate and undergraduate teaching.
- Research in ambient air quality,
- Research in developing coating material for the protection of historical monuments from acidic deposition,
- Research in long range-transport of toxic/ECD chemicals.
- Research in indoor pollutants
- Research in pollution prevention (Source Reduction)
- Project reviewer for TTGV, TEYDEB and TUBITAK

June, 2011, **Clarkson University, W. Rowley Research Lab, Potsdam NY, USA.**

Visiting Scholar

- Research in measurement and modeling related to movement of pollutants in the environments.

April, 2007 – 2013, **Dept. of Chemical Engineering, and Environmental Research Center, İzmir Institute of Technology, İzmir, Turkey**

Assoc. Professor

- Director of the Environmental Research Center
- Graduate and undergraduate teaching.
- Research in ambient air quality,
- Research in developing coating material for the protection of historical monuments from acidic deposition,
- Research in long range-transport of toxic/ECD chemicals.
- Project reviewer for TTGV, TEYDEB and TUBITAK

2000–2007, **İzmir Institute of Technology, Dept. of Chemical Engineering, İzmir, Turkey**

Assistant Professor

- Head of the Environmental Engineering MS Program
- Graduate and undergraduate teaching.
- Research in ambient air quality,
- Research in developing coating material for the protection of historical monuments from acidic deposition,
- Research in transport of toxic/ECD chemicals.
- Research in the environmental effects of geothermal power sources
- Project reviewer for TTGV, TEYDEB and TUBITAK

1996-1999, **Illinois institute of Technology, Dept. of Chemical & Environmental Engineering, Chicago, Illinois, USA**

Graduate Student, Teaching Assistant

- Conduct extensive research on dry deposition of Polychlorinated Pesticides and Naphthalenes.
- Grade homework and exams, assist in tutoring.
- Air Sampling for Water Survey of Illinois.

1994-1999, **Illinois institute of Technology, Dept. Environmental Engineering,**

Graduate Student

1991-1993, **University of Wisconsin-Madison Dept. of Environmental Engineering**

Graduate Student

- Research in wastewater treatment parameters (Copper and Nickel Removal)

EDUCATION

1999- Intern of Environmental Protection Agency of Illinois-

Work: Implementation of pollution prevention in Fuji Films Co.

1994 – 1999 Illinois Institute of Technology, Chicago Illinois, USA

Ph.D./Environmental Engineering

Thesis: The Direct Measurement of Dry Deposition of Chlorinated Pesticides and PCNs

Coursework: Environmental Chemistry, Hazardous Wastes Engineering, Chemodynamics, Physical and Chemical Processes for Industrial Gas Cleaning, Indoor Air Pollution, Design of Air Pollution Control Devices, Air Pollution Meteorology, Control of Toxic Air Pollution,

1991 – University of Wisconsin Madison, Wisconsin, USA

M.Sc./Environmental Engineering

Thesis: Copper and Nickel Removal from the Activated Sludge Process

Coursework: Water Treatment Plant Design, Wastewater Treatment Plant Design, Industrial Pollution Control, Statistics etc...

1990 – 1991 (Middle East Technical University and University of Wisconsin-ESL-Madison)

Language Education-ESL

1984 – 1989 İstanbul Technical University, İstanbul, Turkey

B.Sc./Chemical Engineering

RESEARCH EXPERIENCE

Ongoing Research Projects

Determination of Semi Volatile Organic Compounds Adsorption Capacity onto Microplastics, 2017İYTE38, **Principal Investigator**, 2017.

URBANREC-New approaches for the valorisation of URBAN bulky waste into high added value REcycled products, EU-Horizon2020 , **Turkish Coordinator**, 2015-2019.

Improvement and Renewing Infrastructure of Research Centers in İzmir Institute of Technology, Grant from Republic of Turkey Ministry of Development, Contract No. 2012BŞV016, **Investigator**, 2012.

Completed Research Projects

The use of *Vetiveria Zizanioides* (L.) Nash and *Cyperus Alternifolius* L. by Floating Wetland Treatment to improve water quality, 2015İYTE16, **Principal Investigator**, 2015.

Determination of SVOCs Levels in air, soil and other compartments around Turkey, The Scientific and Technological Research Council of Turkey, **Investigator**, 2013.

Enzymatic Degradation of Phthalates. Grant from the İzmir Institute of Technology Contract No. İYTE-BAP2010-09, **Principal Investigator**, 2010.

Assessment of Indoor Environmental Quality in Primary Schools, Grant from the Scientific and Technical Research Council of Turkey (TÜBİTAK) Contract No. ÇAYDAG-105Y263, **Investigator**, 2007-2010.

Protection of marble surfaces with nano-bio composites. Grant from the Scientific and Technical Research Council of Turkey (TÜBİTAK) Contract No. **Investigator**, 2009-2011.

Assessment of Exposure and Risk Associated with Drinking Water in Izmir, Grant from the Scientific and Technical Research Council of Turkey (TÜBİTAK) Contract No. İÇTAG-Ç-077, **Investigator**, 2003-2006.

The Protection of Marble Surfaces with Biopolymers. Grant from the Scientific and Technical Research Council of Turkey (TÜBİTAK) Contract No. MAG -104M564, **Investigator**, 2005-2007.

The Adsorption of Fuel Oxygenates on to Natural Zeolites, Grant from the Scientific and Technical Research Council of Turkey (TÜBİTAK) Contract No. MİSAG-269 **Investigator**, 2004-2006.

Atmospheric Ozone Concentrations in İzmir, Grant from the Scientific and Technical Research Council of Turkey (TÜBİTAK) Contract No. ÇAYDAG-104Y163, **Investigator**, 2005-2008.

The Environmental Effects of Geothermal Energy: Balçova Geothermal Heating System and Kızıldere Geothermal Power Plant. Grant from the Scientific and Technical Research Council of Turkey (TÜBİTAK) Contract No. KARIYER-104M301, **Investigator**, 2005-2008.

Chlorinated Toxic Organics: Monitoring of these compounds in the ambient air and determination the level of pollution of these compounds. Grant from the Scientific and Technical Research Council of Turkey (TÜBİTAK) Contract No. İÇTAG-Ç033, **Principal Investigator**, 2001-2004.

Co-treatability of Domestic and Olive Mills Wastewater, Grant from the İzmir Institute of Technology Contract No. İYTE-BAP 19, **Principal Investigator**, 2002-2003.

COURSES TOUGHT

Undergraduate

CHE 201 Material and Energy Balances in Engineering
CHE-219 Environmental Chemistry
CHE-226 Introduction to Environmental Engineering
ENG-301 Technical Writing and Communication
CHE-410 Chemical Engineering Lab I
CHE-435 Fundamentals of Air Pollution and Control
CHE-336 Pollution Prevention
CHE-420/420 Engineering Plant Design in Chemical Engineering

Graduate

CHE-533 Mass Transport in Environmental Engineering
CHE-544 Industrial Waste Treatment
ENVE-602 Environmental Chemistry

PUBLICATIONS

Journal Articles

Genisoglu, M, **Sofuoglu, A.**, Kurt-Karakus, PB, Birgul, A, Sofuoglu, SC “Brominated flame retardants in a computer technical service: Indoor air gas phase, submicron (PM1) and coarse (PM10) particles, associated inhalation exposure, and settled dust”, CHEMOSPHERE 231216-224, 2019.

Marie D. Mulder MD., Dumanoglu Y., Efstathiou C., Kukučka P., Matejovičová J., Maurer C., Příbylová P., Prokeš R., **Sofuoglu A.**, Sofuoglu SC., Wilson J., Zetzsch C., Wotawa G., Lammel G., “Fast Formation of Nitro-PAHs in the Marine Atmosphere Constrained in a Regional-Scale Lagrangian Field Experiment” ENVIRONMENTAL SCIENCE & TECHNOLOGY, 53, 15, 8914-8924, 2019.

Kaplan, Z., Boke, H., **Sofuoglu, A.**, Ipekoglu, B., Long term stability of biodegradable polymers on building limestone PROGRESS IN ORGANIC COATINGS, 131, 378-388, 2019.

Sofuoglu, S.C., **Sofuoglu, A.**, “An Exposure – Risk Assessment for Potentially Toxic Elements in Rice and Bulgur” ENVIRONMENTAL GEOCHEMISTRY AND HEALTH, 40, 987-998, 2018.

Kurt-Karakus PB, Ugranli-Cicek T, Sofuoglu SC, Celik H, Gungormus E, Gedik K, **Sofuoglu A**, Okten HE, Birgul A, Alegria H, Jones KC, “The first countrywide monitoring of selected POPs: Polychlorinated biphenyls (PCBs), polybrominated diphenyl ethers (PBDEs) and selected organochlorine pesticides (OCPs) in the atmosphere of Turkey” ATMOSPHERIC ENVIRONMENT, 177, 154-165, 2018.

Shahpoury P, Lammel G., Albinet, A., **Sofuoglu A.**, Dumanoglu Y., Sofuoglu SC., Wagner, Z., Zdimal, V., Evaluation of a Conceptual Model for Gas-Particle Partitioning of Polycyclic Aromatic Hydrocarbons Using Polyparameter Linear Free Energy Relationships, ENVIRONMENTAL SCIENCE & TECHNOLOGY, 50, 22, 12312-12319, 2016.

Ugranli T., Gungormus E., Kavcar P., Demircioglu E., Odabasi, M., Sofuoglu SC., Lammel G., **Sofuoglu A.**, POPs in a major conurbation in Turkey: ambient air concentrations, seasonal variation, inhalation and dermal exposure, and associated carcinogenic risks, ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, 23, 22, 22500-22512, 2016.

Lammel G., Ondřej Audy O., Besis A., Efstathiou C., Eleftheriadis K., Kohoutek J., Kukučka P., Mulder MD., Přebilová P., Prokeš R., P. Rusina TD., Samara C., **Sofuoglu A.**, Sofuoglu SC., Taşdemir Y., Vassilatou V., Voutsas D., Vrana B., Air and seawater pollution and air-sea gas exchange of persistent toxic substances in the Aegean Sea: spatial trends of PAHs, PCBs, OCPs and PBDEs, ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, 22:11301–11313, 2015.

Ocak, Y., **Sofuoglu, A.**, Tihminlioglu, F., Böke, H. Sustainable bio-nano composite coatings for the protection of marble surfaces, JOURNAL OF CULTURAL HERITAGE, 16, 299-306, 2015.

Sofuoglu, S.C., Güzelkaya, H., Akgül, T., Kavcar, P., Kurucaovali, F., Sofuoglu, A. Speciated arsenic concentrations, exposure, and associated health risks for rice and bulgur, FOOD AND CHEMICAL TOXICOLOGY, 64, 184-191, 2014.

Sofuoglu, S.C., **Sofuoglu, A.**, Holsen, T.M., Alexander, C.M., Pagano, J.J. Atmospheric concentrations and potential sources of PCBs, PBDEs, and pesticides to Acadia National Park, ENVIRONMENTAL POLLUTION, Volume 177, 116-124, 2013.

Sofuoglu, S.C., Yayla, B., Kavcar, P., Turgut, C., **Sofuoglu, A.**, Olive tree, *Olea europaea* L., leaves as a bioindicator of atmospheric PCB contamination, ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, 20, 9, 6178-6183, 2013.

Ocak, Y., Kilicvuran, A., Eren, AB., **Sofuoglu, A.**, Sofuoglu, SC., “Exposure to particulate matter in a mosque”, ATMOSPHERIC ENVIRONMENT, 56, 169-176, 2012.

Demircioglu E., **Sofuoglu A.**, Odabasi M., “Particle-phase dry deposition and air-soil gas exchange of polycyclic aromatic hydrocarbons (PAHs) in Izmir, Turkey”, JOURNAL OF HAZARDOUS MATERIALS, 186, 328-335, 2011.

Sofuoglu SC., Aslan B., Inal F., **Sofuoglu A.**, “An assessment of indoor air concentrations and health risks of volatile organic compounds in three primary schools” INTERNATIONAL JOURNAL OF HYGIENE AND ENVIRONMENTAL HEALTH, 214 36–46, 2011.

Sofuoglu A., Kiyem N., Kavcar P., Sofuoglu S., Polycyclic and Nitro Musks in a Primary School Classroom and a Women's Sport Center, INDOOR AIR, 20 515–522, 2010.

Inal F, Yetgin S, Aksu GT, Simsek S., **Sofuoglu A.**, Sofuoglu S., Activated Carbon Adsorption of Fuel Oxygenates MTBE and ETBE from Water, WATER AIR AND SOIL POLLUTION, 204, 1-4, 155-163, 2009.

Ocak Y, **Sofuoglu A.**, Tihminlioglu F, Boke H., Protection of marble surfaces by using biodegradable polymers as coating agent, PROGRESS IN ORGANIC COATINGS, 66, 3, 213-220, 2009.

Kavcar, P., **Sofuoglu, A.**, Sofuoglu, S.C., A Health Risk Assessment for Exposure to Trace Metals Via Drinking Water Ingestion Pathway, INTERNATIONAL JOURNAL OF HYGIENE AND ENVIRONMENTAL HEALTH, 212, 216-227, 2009.

Odabasi M., Cetin B., Demircioglu E., **Sofuoglu A.**, Air water exchange of polychlorinated biphenyls (PCBs) and organochlorine pesticides (OCPs) at a coastal site in Izmir Bay, Turkey, MARINE CHEMISTRY, 115, p. 109, 2008.

Baytak, D., **Sofuoglu, A.**, Inal, F., Sofuoglu, S.C., “Seasonal Variation in Drinking Water Concentrations of Disinfection By-Products in İzmir and Associated Human Health Risks”, SCIENCE OF THE TOTAL ENVIRONMENT, 2008.

Odabasi M., Cetin E., **Sofuoglu A.**, Determination of octanol-air partition coefficient and supercooled liquid vapor pressure of PAHs as a function of temperature: application to gas/particle partitioning in an urban atmosphere, ATMOSPHERIC ENVIRONMENT, 40, 6615-6625, 2006.

Cetin B., Ozer S., **Sofuoglu A.**, Odabasi M., Determination of Henry’s law constants of organochlorine pesticides in deionized and saline water as a function of temperature. ATMOSPHERIC ENVIRONMENT, 40, 4538-4546, 2006.

Odabasi M., Cetin B., **Sofuoglu A.**, Henry's law constant, octanol-air partition coefficient and supercooled liquid vapor pressure of carbazole as a function of temperature: application to gas/particle partitioning in the atmosphere, *CHEMOSPHERE*, 62, 1087-1096, 2006.

Sofuoglu, S.C., Tayfur, G., Birgili, S., **Sofuoglu, A.**, Predicting Ambient Air Pollutant Concentrations Using an Artificial Neural Networks in Izmir, Turkey, *ENERGY SOURCES., PART B*, 127-136, 2006.

Sofuoglu A., Cetin E., Bozacioglu, S., Sener D. G., Odabaşı M., Short-term Variation in Ambient Concentrations and Gas/Particle partitioning of Organochlorine Pesticides in Izmir, Turkey, *ATMOSPHERIC ENVIRONMENT*, 38/27, 4483-4493, 2004.

Taşdemir Y., Odabaşı M., Vardar N., **Sofuoglu A.**, Murphy, T. J., Holsen T. M., Dry Deposition fluxes and velocities of PCBs associated with particle, *ATMOSPHERIC ENVIRONMENT*, 38, 2447-2456 (2004).

Sofuoglu A., Odabasi M, Tasdemir Y., Khalili N., Holsen T.M., Temperature Dependence of gas phase PAHs and Organochlorine Pesticide Concentrations in Chicago air. *ATMOSPHERIC ENVIRONMENT*, 35, 6503-6510, 2001.

Odabasi M, **Sofuoglu A.** Holsen T. M., Mass transfer coefficients for PAHs to the water surface sampler: Comparison to modeled results. *ATMOSPHERIC ENVIRONMENT*, 35, 1655-1662, 2001.

Odabaşı M., Vardar N., **Sofuoglu A.**, Taşdemir Y., Holsen T. M. Polycyclic aromatic hydrocarbons (PAHs) in Chicago air. *THE SCIENCE OF THE TOTAL ENVIRONMENT* 227, 57-67, 1999.

Odabaşı M., **Sofuoglu A.**, Taşdemir Y., Vardar N., Holsen T. M. Measurement of dry deposition and air-water exchange of polycyclic aromatic hydrocarbons (PAHs) with the water surface sampler. *ENVIRON. SCI. TECHNOL.*, 33, s 426-434, 1999.

Conference Papers in English

Basalp D, Tihminlioglu D, Sofuoglu A., Sofuoglu SC, Inal F., "Utilization of Municipal Bulky Plastics and Wood Wastes in Industrial Manufacturing of Wood Plastic Composites", *HERAKLION 2019*, June 26-29, 2019, Crete, GREECE.

Sofuoglu A., Sofuoglu, F. Tihminlioglu, D. Metin, S.C. Sofuoglu, F. Inal "Towards Substitution of Urban Bulky Waste for Wood-Plastic Composite Products" *Eur-Asia Waste Management Symposium 2018*, İstanbul, Turkey.

M. Genisoglu, E. Gungormus, **A. Sofuoglu**, PB. Kurt-Karakus, A. Birgul, , SC. Sofuoglu., "Particle-bound PBDEs in a Computer Repair Service: PM1, PM10, and settled dust" *DIOXIN-2017 37th International Symposium on Halogenated Persistent Organic Compounds*, August 20- 25, 2017, Vancouver, Canada.

A. Yücel, SC. Sofuoğlu, **A. Sofuoglu**, "The Usage of *Vetiveria zizanioides* (L.) Nash and *Cyperus alternifolius* L. by Floating Method for Treatment of Olive Mill Wastewater" *IWA-PPFW*, 22-24 Mart 2017, Çeşme, İzmir.

MD. Mulder, Y. Dumanoglu., P. Kukučka, J. Matejovičova, P. Přebilova, **A. Sofuoglu**, SC. Sofuoglu, G Lammel, "Chemical and physical Sinks simulated by a Lagrangian travelling box model for selected POPs over the Aegean in summer 2012" *DIOXIN-2016 36th International Symposium on Halogenated Persistent Organic Compounds*, August 28-September 2, 2016, Firenze, Italy.

C. Guven, , T. Ugranli, H. Celik, , E. Gungormus, A. Birgul, K. Gedik, E. Okten, SC. Sofuoglu, **A. Sofuoglu**, H. Alegria., , KC. Jones, , PB. Kurt-Karakus., "Passive sampling of PCBs and PBDEs in Turkey's Atmosphere" *DIOXIN-2016 36th International Symposium on Halogenated Persistent Organic Compounds*, August 28-September 2, 2016, Firenze, Italy.

T. Ugranli, E. Gungormus, , PB Kurt-Karakus, K., Gedik, , E. Okten, **A. Sofuoglu**, SC. Sofuoglu, H. Alegria, KC. Jones, "Passive Sampling of PBDEs in Turkey's Atmosphere: Preliminary Results" *DIOXIN-2015 35th International Symposium on Halogenated Persistent Organic Compounds*, August 23-28.08, 2015, Sao Paolo, Brazil.

PB. Kurt-Karakus, E. Gungormus, E. Okten, H. Celik, T.Ugranli, **A. Sofuoglu**, K. Gedik, SC Sofuoglu, Henry Alegria, "PBDEs and NBRs in ambient air in Istanbul and Izmir-Turkey", 34th International Symposium on Halogenated Persistent Organic Pollutants, *DIOXIN-2014*, September 1-5, 2014, Madrid, Spain.

SC Sofuoglu, A. Sofuoglu, "Size Segregated Elemental Content of Indoor Air Particulate Matter in Three Primary Schools in Turkey", *Climamed (6th Mediterranean Congress of Climatization)*, 2-3 June 2011, Madrid, Spain.

Y. Ocak, A. Kılıçvuran, AB. Eren, **A. Sofuoglu**, SC. Sofuoglu, "Exposure to Particulate Matter in a Mosque", *II. International Conference on Air Pollution and Control*, 19-23 September 2011 Antalya.

- G. Gokcen, **A. Sofuoğlu**, S. Yılmaz, N. Yildirim Ozcan, "Waste Water Disposal of Kizildere Geothermal Power Plant: Impact on Great Menderes River Water Quality", *World Geothermal Congress*, April 2010, Bali Indonesia.
- Y. Ocak, **A. Sofuoğlu**, F. Tihminlioglu, H. Böke "A Novel Biodegradable Polymer Nanocomposite Coating for the Protection of Stone Monuments", *6th Coatings Science International Conference*, Haziran-2010, Noordwijk, The Netherlands. (Poster sunum)
- Y. Ocak, **A. Sofuoğlu**, F. Tihminlioglu and Hasan Böke "Protection of the Marble Monuments by using Nanocomposite Polymer Films" *6. Nanobilim ve Nanoteknoloji Konferansı*, Haziran -2010, Çeşme İzmir Turkey.
- A. Sofuoğlu**, N. Kıymet P. Kavcar, S. Sofuoğlu, "Synthetic Musk Compounds in Indoor Air: a Primary School Classroom and a Women's Sports Center", *10th REHVA World Congress: Sustainable Energy Use in Buildings*, Mayıs, 2010, Antalya, TURKEY.
- P. Kavcar, **A. Sofuoğlu**, SC. Sofuoğlu, "Indoor Air Polychlorinated Biphenyl Concentrations in Three Primary Schools of İzmir, Turkey," *10th REHVA World Congress: Sustainable Energy Use in Buildings*, Mayıs, 2010, Antalya, TURKEY.
- C. Tan., K. Ozkan, **A. Sofuoğlu**, Effets of various media parameters on pellet morphology, polygalacturonase and ethanol production of *Rhizopus oryzae*. *5th International Congress on Food Technology*, Thessaloniki Greece, 2007.
- Y. Ocak, **A. Sofuoğlu**, F. Tihminlioglu, B. İpekoğlu, H.Böke, Protection of Marble Using Biodegradable Polymers, *International Conference on Environment: Survival and Sustainability*. February 19-24, 2007, Nicosia-Northern Cyprus.
- S. Bozacıoğlu, E. Cetin, M. Odabaşı, F. İnal, **A. Sofuoğlu**., Short-term Variation in Ambient Concentrations of polychlorinated biphenyls (PCBs) in Izmir Turkey. *1st International Conference on Air Pollution and Combustion*, June 22-25, Ankara.
- E. Cetin, S Bozacıoğlu., **A. Sofuoğlu**, F. Inal, M. Odabaşı, Particulate Dry Deposition Fluxes of polychlorinated biphenyls (PCBs) in Izmir Turkey, *1st International Conference on Air Pollution and Combustion*, June 22-25, Ankara.
- SC. Sofuoğlu, G. Tayfur, **A. Sofuoğlu**, S. Birgili, Forecasting SO₂ Concentrations in Izmir Air Using an Artificial Neural Networks Model. *Proceedings of Exergy, Energy, and Environment*, 961-965, Izmir, Turkey, July, 2003.
- M. Odabaşı, Y. Taşdemir, N. Vardar, **A. Sofuoğlu**, TM, Holsen Polycyclic Aromatic hydrocarbons (PAHs) and Polychlorinated Biphenyls in the ambient air of Chicago, *Environmental Research Forum*, 7-8, 280-285,1997.
- N. Vardar, M. Odabaşı, Y. Taşdemir, **A. Sofuoğlu**, KE. Noll, TM. Holsen, Gas-Particle Partitioning of PAHs and PCBs in an Urban Atmosphere, *Environmental Research Forum 1997*, 7-8, 299-304.
- Y. Taşdemir, M. Odabaşı, N. Vardar, **A.Sofuoğlu**, KE. Noll, TM. Holsen, Development and evaluation of a water surface sampler to investigate the deposition of semivolatile organic compounds. *Environmental Research Forum*, 7-8, 305-310, 1997.

Conference Papers in Turkish

- Genişoğlu M., Güngörmüş E., **Sofuoğlu A.**, Kurt-Karakuş PB., AB., Sofuoğlu SC., "Bir Bilgisayar Teknik Servisinde İç Hava ve Çökeltmiş Tozda Bromlu Difenillerler", VII. Hava Kirliliği ve Kontrolü Sempozyumu, 1-3
- Elif Güngörmüş, Halil Çelik, Tuğba Ugranlı, Perihan Binnur Kurt Karakuş, Kadir Gedik, Eser Ökten, Sait C. Sofuoğlu, **Aysun Sofuoğlu**, Kevin C. Jones, "İzmir'de Poliklorlu Bifenil Derişimleri Ve Potansiyel Kaynak Bölge Tahmini" Ulusal Hava Kirliliği ve Kontrolü Sempozyumu, 5-7 Ekim 2015, İzmir.
- Tuğba Ugranlı, Halil Çelik, Elif Güngörmüş, Perihan Binnur Kurt Karakuş, Kadir Gedik, Eser Ökten, Sait C. Sofuoğlu, **Aysun Sofuoğlu**, Henry Alegria, Kevin C. Jones, "Organoklorlu Pestisitler İçin Pasif Örnekleme Yöntemi İle Ulusal Hava Kirliliği Profiline Belirlenmesi – Ön Çalışma" Ulusal Hava Kirliliği ve Kontrolü Sempozyumu, 5-7 Ekim 2015, İzmir.
- Macit Toksoy, Sait C. Sofuoğlu, **Aysun Sofuoğlu**, İbrahim Atmaca, Z. Tuğçe Kazanasmaz, Melik Kara, Hasan Yüksel, Orhan Ekren, İrfan Sayar, Necmi Varlık, "Okullarda İç Hava Kalitesi Eğitimi: Pilot Çalışma" İzmir, 12. Ulusal Tesisat Mühendisliği Kongresi, İzmir, 2015.Kasım 2017, Antalya.
- Sait C. Sofuoğlu, **Aysun Sofuoğlu**, "İlköğretim Okullarında Bina-İçi Çevresel Kalite: İzmir Çalışması Sonuçlarının Değerlendirilmesi" 10. Ulusal Tesisat Mühendisliği Kongresi, 13-16 Nisan 2011, İzmir.
- Sait C. Sofuoğlu, Güler Aslan, Fikret İnal, **Aysun Sofuoğlu**, "Uçucu Organik Bileşiklerin İlköğretim Okulları için Sağlık Riski Tabanlı Sınıflandırılması", Ulusal Hava Kirliliği ve Kontrolü Sempozyumu, 25-27 Ekim 2010, Ankara.
- Kocahakimoğlu, C., Turan, D., Özeren, F., **Sofuoğlu, A.**, Sofuoğlu, S.C., "İlköğretim Okullarında Bina-İçi Hava Ozon Derişimleri" 9. Ulusal Tesisat Mühendisliği Kongresi, İzmir, Turkey, 2009.

Güler Aslan, Fatma Özeren, Pınar Kavcar, **Aysun Sofuoğlu**, Fikret İnal, Mustafa Odabaşı, Sait C. Sofuoğlu, “İzmir Metropol Alanında İki İlköğretim Okulunda Kış ve Bahar Dönemlerinde Uçucu Organik Bileşik ve Formaldehit Derişimleri”, Ulusal Hava Kirliliği ve Kontrolü Sempozyumu, 22-24 Ekim 2008, Antakya, pp.81-94.

Sofuoğlu, S.C., Odabaşı, M., **Sofuoğlu, A.** “Bina-İçi Yüzeyle Çökelişmiş Partiküllerdeki Uçucu Organik Madde İçeriğinin Niceliksel Analizi” 8. Ulusal Tesisat Mühendisliği Kongresi, sf. 405-414, İzmir, Turkey, 2007.

Baytak, D., İnal, F., **Sofuoğlu, A.** ve Sofuoğlu, S.C. “İzmir İçme Suyunda Dezenfeksiyon Yan Ürünleri Derişimlerinin Mevsimsel ve Kaynağa Göre Değişimi” 7. Ulusal Çevre Mühendisliği Kongresi, sf. 223-228, İzmir, Turkey, 2007.

Yetin S., Şimşek S., Aksu T.G., **Sofuoğlu A.**, İnal F., Adsorpsiyon Yöntemi ile MTBE ve ETBE nin Sudan Uzaklaştırılması, 7. Ulusal Çevre Mühendisliği Kongresi, sf. 710-718, İzmir, 2007.

Sofuoğlu, S.C., Tayfur, G., **Sofuoğlu, A.**, Birgili, S., "İzmir Havaındaki Toz Derişimlerinin Yapay Sinir Ağları Modeli ile Tahmini" *Yanma ve Hava Kirliliği Kontrolü Sempozyumu*, 331-339, İzmir, 2003.

Book Chapters in Turkish

Sofuoğlu, S.C., “Bölüm 13, Kirleticilerin Sınıflandırılması”, Ekotoksikoloji'nin Temelleri, Palme Yayıncılık, Ankara, 2013. Translation to Turkish from Fundamentals of Ecotoxicology, 3rd ed., by Michael C. Newman, CRC Press, New York, USA, 2010

Environmental Pollution and Control, edited by Özer Çınar, Nobel Yayın Dağıtım, 2008, Ankara, Turkey. Chapter 4 – Air Pollution and Control, **Sofuoğlu, A.**, and Sofuoğlu, S.C., pp. 114-160.

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