

Dr. Shihomi ARA AKSOY

CONTACT

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EDUCATIONAL BACKGROUND

Graduate/ Ph.D.: Environmental Economics, The Ohio State University, Columbus, Ohio, USA, 2007. **Title of the Ph.D. Dissertation:** “The Influence of Water Quality on the Demand for Residential Development around Lake Erie.” (Advisor: Elena Irwin, Timothy Haab)

Graduate/Masters’ Degree:

1. Economics, Kobe University, 2002. **Title of M.A. Thesis:** “Environmental Evaluation of Organic Rice: A Case Study in the Philippines” (Advisor: Mitoshi Yamaguchi)

2. Economics, The Ohio State University, 2003.

Undergraduate: International Economics, AoyamaGakuin University, Tokyo, Japan, 2000. (Advisor: Yujiro Hayami)

ACADEMIC AREAS OF INTEREST

- Environmental Economics
- Natural Resource Economics
- Benefit-Cost Analysis
- Behavioral Economics

PROFESSIONAL WORK EXPERIENCE

- Lecturer, Department of Economics, Hacettepe University, 4/2008 – 2/2013, 4/2014- current
- Graduate Research Assistant, Department of Agricultural, Environmental and Development Economics, The Ohio State University, 2001– 2006

ACADEMIC RESEARCH-PUBLICATIONS

Journal Articles (Refereed)

International

Shihomi ARA AKSOY, Merih Aydınalp Köksal, Şükran Elçin Tekeli, Ulaş Im, Yeşer Aslanoğlu, Fatma Öztürk, Ahmet Burçin Yereli, Alper Ünal, Anna Kızıltan, Mustafa Kızıltan, Nilhan Duran, Gülen Güllü. (2021) “Mortality and Morbidity Costs of Road Traffic-based Air Pollution in Turkey”, Journal of Transport and Health (SSCI-Q2) **Volume 22**, September 2021, 101142 <https://doi.org/10.1016/j.jth.2021.101142>

Merih Aydınalp Köksal, Şükran Elçin Tekeli, **Shihomi ARA AKSOY**, Anna Kızıltan, Mustafa Kızıltan, Yeşer Aslanoğlu, Fatma Öztürk, Ahmet Burçin Yereli, Nilhan Duran, Gülen Güllü. (2021) “Long Term Characterization of the Vehicle Stock to Combat Air Pollution in Turkey”, Transportation Research Part D (SSCI-Q1) **Volume 99**, October 2021, 102988 <https://doi.org/10.1016/j.trd.2021.102988>

Shihomi ARA, Cem TEKEŞİN (2017) “The Monetary Valuation of Lifetime Health Improvement and Life Expectancy Gains in Turkey.” **International Journal of Environmental Research and Public Health**. 14(10),1151 (SCI-Expanded, SSCI-Q2)

Shihomi ARA, Cem TEKEŞİN (2016) “The Monetary Valuation of Acute Respiratory Illness from Air Pollution in Turkey.” **Atmospheric Pollution Research**. 2016; 7(1) 82-91 (SCI-Q2).

Cem TEKEŞİN, **Shihomi ARA**. (2014) “Measuring the Value of Mortality Risk Reductions in Turkey.” **International Journal of Environmental Research and Public Health**. 11(7):6890-6922. (SCI-Expanded, SSCI-Q2)

National

Shihomi ARA AKSOY, Elena Irwin (2021) “Cluster Analysis for Housing Market Segmentation” **Sosyoekonomi**, 29/49

Selcen ÖZTÜRK, Dilek BAŞAR DİKMEN, **Shihomi ARA AKSOY** (2021) “Gender Differences in Smoking Behavior: Analyzing the Changes for 2008-2014 Period in Turkey” **Sosyoekonomi** , 29/48

Duygu KURAL, **Shihomi ARA AKSOY** (2020) “An Analysis of the Optimal Design of Feed-in Tariff Policy for Photovoltaic Investments in Turkey” **Sosyoekonomi**, 28 / 46, 425-444 . <https://doi.org/10.17233/sosyoekonomi.2020.04.20>

Shihomi ARA. (2020) “On the benefit transfer of the value of a statistical life” **Turkish Journal of Public Health**. 8(2) :113-128. doi:10.20518/tjph.464518

Articles under Review

Anna Kızıltan, Mustafa Kızıltan, Merih Aydınalp Köksal, Şükran Elçin Tekeli, **Shihomi ARA AKSOY**, Ahmet Burçin Yereli, Yeşer Aslanoğlu, Fatma Öztürk, Nilhan Duran, Gülen Güllü (2020) “Cost-Benefit Analysis of Road-Transport Policy Options to Combat Air Pollution in Turkey” (Under Review: Environment, Development and Sustainability)

Acelya Gizem Oktem, Selcen Öztürk, Shihomi ARA AKSOY, “Investigating the Determinants of University Students Recycling Behavior” (Under Review: Environmental Management)

Working Papers:

Beyhan Dönmez, **Shihomi ARA AKSOY**, İbrahim Özkan. “Behavioral Determinants of Consumers’ Credit Card Overspending”

Ş. Elçin Tekeli, **Shihomi Ara Aksoy**, Merih Aydınalp Köksal. “Health Benefits of Electric Vehicles Adoption in Turkey”

Ş. Elçin Tekeli, **Shihomi Ara Aksoy**, Merih Aydınalp Köksal. “The Impact of Electric Vehicles Penetration on CO2 emission in Turkey”

Book Chapters

Beyhan Özilhan Dönmez, **Shihomi ARA AKSOY**, İbrahim Özkan. “SMS Mesajı ile Kredi Kartı Borç Bakıyesi Biliriminin Kredi Kartı ile Harcama Davranışı Üzerine Etkisi: Bir

Uygulama Önerisi” in **Senin Kararın’ mı? Kamu Politikası Tasarımında Davranışsal Yaklaşım**. TC Ticaret Bakanlığı

Shihomi ARA AKSOY. “Geleceğin Davranışsal Ekonomistlerinin Davranışsal Ekonomik Projeleri” in **Senin Kararın’ mı? Kamu Politikası Tasarımında Davranışsal Yaklaşım** TC Ticaret Bakanlığı

Conferences

Nilhan Duran, Anna Golovko, Mustafa Kızıltan, Deniz Oğlu, Ağça Cül Yılmaz, Irde Çetintürk Gürtepe, Canan Esin Köksal, **Shihomi Ara Aksoy**, Ahmet Burçin Yerli, Merih Aydınalp Köksal, Gülen Güllü “Air Pollution Detection in Road Vehicles” 18th World Clean Air Congress, 23-27 September 2019

Dönmez Beyhan, **Shihomi Ara** (2018). “The analysis of overspending behavior of consumers by credit cards with the behavioral economics approach” 4th Turkish Workshop on Experimental and Behavioral Economics Bogazici University, Department of Economics on May 12, 2018, Istanbul Turkey

Duygu Kural, **Shihomi ARA-AKSOY**. “Estimation of the Optimal Feed-in Tariff Policy for Photovoltaic Investments for Turkey.” Presented at Renewable Energy and Energy Efficiency Conference, Sep. 7-8, 2017, Ankara, Turkey

Cem Tekeşin, **Shihomi ARA-AKSOY**. “Willingness to Pay for Renewable and Nuclear Energy Options in Turkey” 10th International Conference on Sustainable Energy Technologies, Istanbul, Turkey, 4 - 7 September, 2011.

Onur Reşit Ünaldı, **Shihomi ARA-AKSOY**, Güllen Güllü. “Cost-Benefit Analysis of Gold Mining with Environmental Valuation Methods” 22nd World Mine Congress, Istanbul, Turkey, 11 – 16 September.

Shihomi ARA, Elena Irwin, Timothy Haab, “The Influence of Water Quality on the Housing Price Around Lake Erie.” In Proceedings of American Agricultural Economics Association Annual Meeting, Long Beach, CA, July, 2006.

Shihomi ARA, Elena Irwin, Timothy Haab, “Measuring the Effects of Lake Erie Water Quality in Spatial Hedonic Price Models.” In Proceedings of Environmental and Resource Economists, Third World Congress, Kyoto, Japan, July, 2006.

Shihomi ARA, “Consumer Willingness to Pay for Multiple Attributes of Organic Rice: A Case Study in the Philippines.” In Proceedings of 25th International Conference of Agricultural Economists, Durban, South Africa. August, 2003.

AWARD

Türkiye Ekonomik Kurumu (Turkish Economic Foundation) Master’s Thesis Award – Duygu Kural (2018)

PROJECTS

T.C. Ministry of Environment and Urbanization, Application of National Emission Charge/Trading (Ulusal Emisyon Ücreti Uygulaması) 4/2021- present

T.C. Ministry of Health, Multi-stakeholder Health Improvement Program (ÇPSSGP) Project on “Health Costs of Air Quality Working Group Six” Consultant 9/2017- present

T.C. Ministry of Environment and Urbanization, Pollution Detection Project of Road Vehicles, Researcher, 6/2018- 12/2019.

WYG Turkey Development of E.U. Project Proposal for ‘Low Carbon Development’ Consultant 2/2017- 4/2017.

“Monetary Valuation of Health Damages from Air Pollution in Turkey” sponsored by TÜBİTAK (The Scientific and Technological Research Council of Turkey), 199,340 TL, 2/2009 - 2/2013. Principle Investigator

COURSES TAUGHT

Current Semester

- ECO 135 Introduction to Economics I (Undergraduate) : 125 students
- ECO 137 Mathematics for Economists I (Undergraduate) : 139 students
- ECO 239 Statistics I (Undergraduate) : 117 students
- CEV406 Environmental Economics (Department of Environmental Engineering):38 students

Past Courses

- ECO 135 Introduction to Economics I (Undergraduate)
- ECO 136 Introduction to Economics II (Undergraduate)
- ECO 137 Mathematics for Economists I (Undergraduate)
- ECO 138 Mathematics for Economists II (Undergraduate)
- ECO 141 Introduction to Economics (Undergraduate-non-Econ majors)
- ECO 239 Statistics I (Undergraduate)
- ECO 240 Statistics II (Undergraduate)
- ECO 241 Mathematical Economics I (Undergraduate)
- ECO 336 Urban Economics (Undergraduate)
- ECO 344 Behavioral Economics (Undergraduate)
- ECO 448 Natural Resource and Environmental Economics (Undergraduate)
- ECO 661 Mathematical Foundations of Economics (M.A.)
- ECO 663 Experimental Economics (M.A.)
- CEV406 Environmental Economics (Department of Environmental Engineering)

Supervised and Completed Theses

Master’s Theses

a. Department of Economics

Başak Dilara Çevik’ Behavioral Economic Analysis of Electric Vehicle Adoption in Turkey’ (On-going)

Açelya Gizem Öktem ‘Investigating the Determinants of Students’ Recycling Behavior’ (2021, Co-advisor)

Duygu Kural, “The Role of Feed-in Tariff Policy for Photovoltaic Investments in Turkey: The Search of Optimal Duration and Model” (2018)

Cem Tekeşin, “Economic Analysis of Renewable Energy Sources in Turkey” (2011)

b. Department of Environmental Engineering

Ş. Elçin Tekeli, “Analysis of the Role of Transportation Sector During the Transition to Low Carbon Economy.” (Co-advisor, 2020)

Selçuk Ünsal “Türkiye'nin Rüzgar Enerjisi Politikalarının Etkinliğinin İncelenmesi.” (Co-advisor, 2019)

Bengü Özge Şerifoğlu, “An Application of Cost-Benefit Analysis for the Evaluation of Wastewater Treatment Plants.” (Co-advisor, 2011)

Onur Raşit Ünal, “Cost-Benefit Analysis of Gold Mining with Environmental Valuation Methods.” (Co-advisor, 2009)

Doctor’s Dissertation

Beyhan Dönmez” Determinants of Consumer’s Overspending Decisions and Credit Card Using Behavior” (On-going, Co-advisor)

(FOREIGN) LANGUAGES

- English
- Japanese
- Turkish

(Updated on July 16, 2021)