

Layla Shiva

09123802987

Tehran Institute for Advanced Studies, Khatam University

No 30, Hakim Azam St, North Shiraz St, Tehran Iran

l.shiva@teias.institute

CURRENT APPOINTMENT

Assistant professor, Department of Economics, Tehran Institute for Advanced Studies, Khatam University	2020- current
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PAST APPOINTMENTS

Assistant professor, Department of Economics, Shahid Beheshti University	2019-2020
Research fellow, Department of Economics, Tehran Institute for Advanced Studies	2018-2020
Quantitative Research Analyst, Iran Mercantile Exchange	2018-2019
Research fellow at Environmental Economics Group, Environmental Science Research Center, Shahid Beheshti University	
Data Scientist, PROS Holdings, Inc., Houston, TX	2015-2017
Research assistant, Texas A&M University, College Station, TX	2012-2014

RESEARCH INTEREST

Environmental Economics, Economics of Climate Change and Water,
Price Dynamics and markets interactions, Algorithms of Inductive Causation, Forecasting

EDUCATION

Ph.D. in Economics, Texas A&M University, College Station, TX	2014
• Thesis title: Economic Analysis of Voluntary Carbon Offset Markets and Bioenergy Policies	
• Committee: Bruce A. McCarl, David A. Bessler	
M.S. in Economics, Texas A&M University	2010
B.S. in Economics, University of Tehran	2006

GRANTS & PROJECTS

UNDP, Green Banking project for Inclusive Growth and Sustainable Development	2017
USDA, Economic Research services: Modeling Carbon offset market design	2014
USDA, Economic Research services: Analyzed market penetration and cost competitiveness of biofuels production on marginal land	2013

AWARDS & HONORS

Texas A&M University Graduate Student Association travel scholarship
Texas A&M University Departmental Scholarship
Top ranked in preliminary exam in Market and Information field among 12 Ph. D. students
Recognized as a Scientific Elite, Iran National Elites Foundation

PUBLICATIONS

“The Price of Proximity: Socioeconomic Disparities in Valuing Urban Parks” with Ahmad Seifi. Land Economics, R&R, November 2025
“Climate Change and Agricultural Adaptations: Insights on Crop Choices and Irrigation Shifts” with Soroush Kamyab. Journal of Agricultural Economics, R&R, November 2025
“The Distributional Impacts of Climate Change on Agricultural Revenues in Iran: Accounting for Spatial Spillovers” with S.M. Malaekheh, A.Safaie. Agricultural Economics, March 2024

“Spatio-temporal Variation of Climate Variables and Extreme Indices over Iran during 1986-2015” with S.M. Malaekheh, A.Safaie. Stochastic Environmental Research and Risk Assessment, 2022

“Unintended Consequences of Agricultural Participation in Voluntary Carbon Markets: Their Nature and Avoidance” with M.Wang, BA. McCarl, H.Wei. Complexity 2021

“Trading Agricultural Soil Carbon” with BA McCarl, Sung Ju Cho, P Huang, Chi Yu. Encyclopedia of Soil Science, Taylor and Francis Group, New York, 3rd edition, 2016

“Climate Change, Society, and Agriculture: An Economic and Policy Perspective” with J Chen, P Huang, BA McCarl, Encyclopedia of agriculture and food systems, 2nd Edition, Elsevier Inc, 2014

SELECTED PRESENTATIONS

“Climate Change and Agricultural Adaptations: Insights on Crop Choices and Irrigation Shifts” with Soroush Kamyab. European Economic Association (EEA), August 2025

“Valuing Ecosystem Services: Exploring the Impact of Urban Green Spaces on the Housing Market” with Ahmad Seifi. European Economic Association (EEA), August 2024

“Long-Term Agricultural Adaptations to Climate Change: Evaluating Irrigation Shifts and Crop Substitution Strategies” with Soroush Kamyab. European Association of Environmental and Resource Economists (EAERE), July 2024

“Valuing Ecosystem Services: Exploring the Impact of Urban Green Spaces on the Housing Market” with Ahmad Seifi. European Association of Environmental and Resource Economists (EAERE), July 2024

“Climate Impacts on Agriculture: Do Spatial Spillovers Matter?” with S.M. Malaekheh, A.Safaie. The European Geosciences Union (EGU) Conference, Econometrics session, April 2022

“Spatio-temporal Variation of Climate Variables and Extreme Indices over Iran during 1986-2015” with S.M. Malaekheh, A.Safaie. The European Geosciences Union (EGU) Conference, April 2021

“An Economic Perspective of Water Resource Management in Iran: Market Based Incentives” with N Mobarghaee. Water Security and Climate Change Conference, Köln, Germany, September 2017

“Price Dynamic Causation and Forecasting in Energy and Agricultural Markets” with DA Bessler, Agricultural & Applied Economic Association” conference, Minneapolis, July 2014

TEACHING EXPERIENCE

Econometrics (Masters Level) fall at Tehran Institute for Advanced Studies	2019- 2025
Environmental Economics (Masters Level)	2020- 2025
Environmental Economics at Shahid Beheshti University	2017, 2018
Microeconomics at Shahid Beheshti University	2017
Game Theory at Shahid Beheshti University	2017
Industrial Economics at Shahid Beheshti University	2017
Environmental Economics (PhD Level) at Tehran University	2012
Natural Resource Economics at Texas A&M University	2012
Fundamental of Agricultural Economics Analysis at Texas A&M University	2008, 2009
Intermediate Microeconomics at Texas A&M University	

INVITED TALKS

Economics of Climate Change, Department of Economics, Shahid Beheshti University	2021
Economics of Climate Change, Environmental Science Research, Shahid Beheshti University	2018
Price Dynamic Discovery: Energy and Agriculture Market, Department of Economics, Tarbiat Modares University	2017
Forecasting methods in biofuel market and Airlines, Department of Industrial Engineering, Amir Kabir University	2016
Price Dynamic Causation and Forecasting in Energy and Agricultural Markets, Department of Economics, Bakers Institutes, Rice University, TX	2016 2015

PROFESSIONAL SOCIETY MEMBERSHIPS

American Economic Association (AEA) Since 2013

Agricultural and Applied Economic Association (AAEA) Since 2011

IT SKILLS

FASOM, GAMS, Stata, RATS, R, SAS, Gretel, Eviews, HTML, Visual Basic