

Curriculum Vitae
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Hamed Najafi Alamdarlo (*H. Najafi Alamdarlo*)
Associate Professor
Tarbiat Modares University

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Personal Information

Date of Birth: 21 Sep. 1984
Place of Birth: Abadeh, Iran
Marital Status: Married
Address: Department of Agricultural Economics, Tarbiat Modares University, Tehran, Iran.
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Education

BSc in Agricultural Economic, University of Zabol. 2006. GPA: 16.49(/20)

MSc in Agricultural Economic, University of Tarbiat Modares. 2009. GPA: 17.83 (/ 20)
Dissertation Title: *The economic impact of climate change on the dry farming wheat (Case study: MARAGHEH County)*. Dr. Amir Hossein Chizari (Assistant Professor at University of Tehran).

PHD in Agricultural Economic, University of Tarbiat Modares. 2013. GPA: 17.92 (/20)
Thesis Title: *An Application of Game Theory to Economic and Environmental Analysis of Groundwater Usage on Cropping Pattern in Varamin Plain*. Supervisor: Dr. Majid Ahmadian (Professor at University of Tehran).

Experiences

Assistant Professor of Agricultural Economic, TMU, 14 Oct 2014 - 04 Jan 2020.

Associate Professor of Agricultural Economic, TMU, from 05 Jan 2020.

Research Activities

Book

Shemshadi K, [Najafi Alamdarlo H.](#) 2015. Commodity study, Agricultural Products. Agricultural Planning, Economic and Rural Development Research Institute. ISSN: 0978-964-5549-86-0.

Students

As a supervisor

MSc

Riyahi Fariba, The Assessment of Virtual Water Trade Impact on Iran's Wheat Trade (Jun 2016).

Pourmozafar Hosein, Technological Progress Effects on the groundwater sustainable management in Qazvin Plain (Oct 2017).

Abolghasemi Fatemeh, Estimation of Water Salinity Taxation in Iranian Agriculture Sector (Jun 2018).

Khademi Shiraz Neda, Spatial Impact Assessment of Groundwater Salinity on Irrigated Wheat Yield in Iran (May 2018).

Akbari Mahdi, The Interactive Effects of Drought on Surface Water Quality and Cropping pattern; Case Study: Qazvin County (Jun 2018).

Zakariyaei Nezam, The Welfare Effects of Methane Emission Internalization on Iran's Rice Market (March 2019).

Jami Aniseh, Economic Impacts of Drought in Groundwater Market in Mahyar Plain (April 2019).

Ostadasiyabi Laya, Estimating Groundwater Value in different economic use for proper water prices, Case Study of Tehran-Karaj Plain (October 2019).

Talebi Otaghvar Yasaman, Estimating the willingness to pay for preserving the biodiversity and ecosystem services in Hableroud watershed (May 2020).

Rashid Khoramabadi Ramin, Optimal allocation of water resources among Agricultural sub-sectors in West Azarbaijan province using modern portfolio theory (September 2021).

Alizadeh Behnam, Estimating food security in Iran with emphasis on sustainability of natural resources (September 2021).

Hasanpor Mohammad Hosein, Evaluating the country's food security policies from the perspective of water resources balance (Dec 2021).

Javardi Fatemeh, Investigation of the rebound effect as a result of the development of new irrigation systems in Varamin city (In Process).

Tadayoni Jafar, Assessment of economic-environmental effects of waste release in forest lands of Mazandaran province, Case study of Babol Anjilsi Region (Jan 2023).

Amani Sara, Evaluate the effect of supportive policies on the productivity of poultry industry (Sep 2023).

Ramaei Shiva, the effect if replacing direct payment with input subsidies on the cultivation pattern of farmers in dehgolan plain of Kurdistan province (In Process).

Nazari NasrAbadi Hassan, Factors affecting the financing of investment in the agricultural sector (case study: Tehran province) (In Process).

Nasirian Mohammad, Economic effects of pasture substitution in sheep meat production in Iran (In Process).

PhD

Karrari Shabnam, Assessing the Economic and Social Effects of Groundwater Pollution in Urmia Plain (Sep 2023).

Asaadi Mohammad Ali, Investigating the efficiency of the supply chain of the broiler industry in Kurdistan province (In Process).

Akbari Mahdi, Interaction of economic and environmental objectives to increase the production of basic agricultural products in the framework of virtual water trade in Qazvin Plain (In Process).

As an Advisor

MSc

Rzaeifar Maryam, Comparison of smart with classic econometric methods in Iranian agriculture sector growth forecasting. (Feb 2016).

Nasirinia Atefeh, The Effect of Technology Changes on the Rice Efficiency in the City of Noor. (May 2016).

Zaghi Bijarbas Mehri, Assessment of Eco-environmental losses caused by groundwater depletion in Qazvin plain. (May 2017).

Rahmati Parsa, Evaluating the economic effects of drought on optimal cropping pattern with emphasis on water resource sustainability. (Jun 2017).

HasaniKia Ebrahim, Evaluating Energy Efficiency in the Agricultural Sector. (Feb 2018)

Elahi Mahdi, Investigating the Price Policies on Economic, Social and Environmental Indicators on the Use of Groundwater Resources. (Mar 2018).

Ranjbaran Fazlollah, determining economic value of agricultural water in greenhouse cultivation in Qazvin plain. (Jun 2018).

Karami Fatemeh, Investigating the Impact of Investment on Iran's Agricultural Sector (Sep 2018).

Mirshakar Mahboubeh, Energy Efficiency Analysis for Oil Seed Production Using Data Envelopment Analysis in Golestan Province (Feb 2020).

Esmaili Zali Zahra, The Effect of Exchange Rate Increase on Food Security Based on Household Food Cost Index (Aug 2020).

Godarzipor Hadis, Assessing the economic potential of using rice crop residues in Iran (Dec 2020).

Faghihi Azam, Analysis of the effect of oil price on the food security of Iranian households (Sep 2022).

PhD

Kabiri Negin, Investigating the Economic Effects of Orumieh Lake Conservation Policies on Agricultural Sector of Miandoab Plain (February 2019).

Avazdahndeh Kariznouei Somayeh, The Effect of Urban Development on Water Consumption and Crop Production in Qazvin Plain (March 2019).

Jalayeri Mansoreh, Feasibility study of carbon emission trade plan in industries of Isfahan province (Feb 2021).

Asadikia Hiva, Investigation of economic efficiency and influencing factors in the supply chain of trout in Mazandaran province (Feb 2022).

Rahmati Daryosh, Estimation of the total economic value of water transfer from Karkheh dam to Abbas plain, Ilam province (July 2022).

Rezaeifar Maryam, Factors and policies affecting multidimensional poverty in Iran, with an emphasis on the growth of the agricultural sector (July 2023).

Kiani Mohammad, Measuring food security in the value chain of food supply with the approach of water, food and energy relationship (July 2023).

Abasmiri S Samaneh, Investigating the economic and environmental effects of using wastewater in the agriculture of southern plains of Tehran province under conditions of uncertainty (Sep 2023).

Ahmadi Javid Mehri, Investigating the effects of the support policy of guaranteed price and import tariff on the production of sugar beet and corn (Nov 2023).

Interested Research Area

The Effects of Economic Policies on Water Resources Management;

Environment, Agriculture and Economic nexus;

The effects of trade policies on the natural resources and environmental valuation;

Mathematical and Economic Modeling in Agriculture and Natural Resources.

Selected Publications

Najafi Alamdarlo H, Ahmadian M., Khalilian S (2016) Groundwater management at Varamin Plain: the consideration of Stochastic and environmental effects. *International Journal of Environmental Research*, 10(1): 21-30. (IF: 1.488).

Najafi Alamdarlo H (2016) Spatial and temporal factors affecting agricultural trade in European Union (EU) and Economic Cooperation Organization (ECO). *Journal of Agricultural Science and Technology*, 18(Supplementary Issue: 1721-1733). (IF: 0.828).

Najafi Alamdarlo H (2016) Water Consumption, Agriculture Value Added and CO₂ Emission in Iran, Environmental Kuznets Curve Hypothesis. *International Journal of Environmental Science and Technology*, 13(8): 2079–2090. (IF: 2.031).

Najafi Alamdarlo H (2018) The economic impact of agricultural pollutions in Iran, spatial distance function approach. *Science of Total Environment*, 616-617: 1656-1663. (IF: 5.589).

Najafi Alamdarlo H, Pourmozafar H, Vakilpoor MH (2019) Improving demand technology and internalizing external effects in groundwater market framework, case study: Qazvin plain in Iran. *Agricultural Water Management*, 213:164-173. (IF: 3.542).

Mortazavi SA, **Najafi Alamdarlo H, Zaghi Bijarbas M (2019)** Estimating the eco-environmental value of damages caused by groundwater over drafting. *International Journal of Environmental Science and Technology*. 16(7): 3861-3868. (IF: 2.031).

Najafi Alamdarlo H, Riyahi F, Vakilpoor MH (2019) Wheat Self-Sufficiency, Water Restriction and Virtual Water Trade in Iran. *Networks and Spatial Economics*. 19(2): 503-520 (IF: 2.084).

Najafi Alamdarlo H (2019) The Economic Effects of Environmental Pollution Tax on the Wheat Market. *Journal of Agricultural Science and Technology*, 21(3): 503-516. (IF: 0.828).

Avazdahandeh S, Khalilian S, Vakilpoor MH, **Najafi Alamdarlo H (2019)** Estimation of Irrigated Water Demand Function, Analyzing its Cross and Symmetrical Relations with other Inputs (Qazvin plain). *Journal of Agricultural Science and Technology*, In Press. (IF: 0.828).

Akbari M, **Najafi Alamdarlo H, Mosavi SH (2020)** The effects of climate change and groundwater salinity on farmers' income risk. *Ecological Indicators*, 105893. (IF: 4.49).

Kalantaripor M, **Najafi Alamdarlo H (2021)** Spatial Effects of Energy Consumption and Green GDP in Regional Agreements. *Sustainability*, 13(18):10078. (IF: 3.251).

Akbari M, **Najafi Alamdarlo H, Mosavi SH (2022)** Economic effects of changing the quality and quantity of water in drought conditions, case study: Qazvin, Iran. *International Journal of Environmental Science and Technology*. 19(4): 2951–2960. (IF: 2.54).

Talebi Otaghvar Y, **Najafi Alamdarlo H, Esmaili R, Asadi M, Mosavi SH, Vakilpoor MH (2022)** Estimation of the monetary value of biodiversity in the Central Alborz Protected Area, *Environmental Science and Pollution Research*. 29(13): 19553–19562. (IF: 4.223).

Asadikia H, Mosavi SH, Reed MR, Khalilian S, **Najafi Alamdarlo H (2022)** The dilemma between imported versus domestic trout egg: Roles of vertical integration and input prices. *Aquaculture*, 554, 738131. (IF: 4.242).

Mahdavian S M, Ahmadpour M, Mohammadi H, Asgharipour M R, **Najafi Alamdarlo H** (2022) Assessment of food-energy-environmental pollution nexus in Iran: the nonlinear approach. *Environmental Science and Pollution Research*, 29:52457–52472. (IF: 5.190).

Asadikia H, Mosavi SH, Reed MR, **Najafi Alamdarlo H**, Khalilian S (2022) Two-level trout supply chain's economic efficiency analysis in Iran: Trout egg import subsidies role. *Reviews in Aquaculture*, In Press. (IF: 10.618).

Rahmati D, Mortazavi SA, **Najafi Alamdarlo H**, Vakilpor MH (2023) Heterogeneity preferences and willingness to pay for environmental services: Evidence from Iran. *Journal of Cleaner Production*, In Press. (IF: 11.072).

Soltani SH, Mosavi SH, **Najafi Alamdarlo H**, Khalilian S (2023) Climate Change and Energy Use Efficiency in Arid and Semiarid Agricultural Areas: A Case Study of Hamadan-Bahar Plain in Iran. *Energy*, In Press. (IF: 8.857).

Asaadi MA, **Najafi Alamdarlo H**, Mosavi H, Ehsani AR, Zamani O (2024) The Productivity of Arian Broiler in Kurdistan Province, Iran: An Application by Using ANP and DAMATEL Methods. *Journal of Agricultural Science and Technology*. In Press.

Ghasemi A., Hasanlo S., Piroz R. **Najafi Alamdarlo H** (2013) The environmental approach for the determination of optimal cropping pattern by using Goal Programming Model (Case study: Varamin plain). *Environmental Research*, 6(11): 169-172. (In Persian).

Najafi Alamdarlo H, Ahmadian M, Khalilian S (2013) Economic Assessment of Groundwater Pricing Policy in Varamin Plain. *Research of Agricultural Economics*, 5(19): 137-154. (In Persian).

Najafi Alamdarlo H, Ahmadian M, Khalilian S (2013) Economic Evaluation of Agricultural Water Allocation in Varamin Plain, Case Study: Latian Dam. *Research of Applied Economics*. 5(19): 137-154. (In Persian).

Najafi Alamdarlo H, Babania S (2016) The Effects of Spatial and Temporal Decisions on Orange Marketing in Babol County. *Journal of Agricultural Economic and Development*, 30(1): 50-57. (In Persian).

Najafi Alamdarlo H, Riyahi F, Vakilpoor MH (2016) Wheat self-sufficiency effects on the flow of virtual water trade in Iran. *Research of Applied Economics*, 5(2):63-79. (In Persian).

Riyahi F, **Najafi Alamdarlo H**, Vakilpoor MH (2018) Welfare Effects of Sustainable Self-Sufficiency on Iran's Wheat Market. *Agricultural Economic and Development*, 26(101): 125-143. (In Persian).

Najafi Alamdarlo H, Shemshadi K (2018) Estimation the Shadow Price of Pollution in Iran's Wheat Production and Distribution Chain. *Journal of Environmental Studies*, 44(1): 85-98. (In Persian).

Elahi M, Vakilpoor MH, **Najafi Alamdarlo H** (2018) Effect of Water Pricing and Allocation on Management of Groundwater Resources in Kabudarahang Plain. *Journal of Water Research in Agriculture*, 32(2): 267-283. (In Persian).

Khademi Shiraz N, **Najafi Alamdarlo H**, Khalilian S (2018) Estimation of the Shadow Cost of Groundwater Salinity Used in Irrigated Wheat Production. *Iranian Journal of Agricultural Economics and Development Research*, 49(2): 215-224. (In Persian).

Najafi Alamdarlo H, Asadi MA (2019) Economic evaluation of optimum cultivating pattern for reducing the use of groundwater in Dehgolan plain. *Iranian Journal of Agricultural Economics and Development Research*, 50(1): 29-43 (In Persian).

Asadi MA, **Najafi Alamdarlo H** (2019) Investigating the Effects of Water Reduction Policies on Sustainable Development of Agricultural Sector in Ghorveh Plain of Kurdistan Province. *Iranian Journal of Irrigation and Drainage*, 13(2): 540-551 (In Persian).

Mosavi SH, Ranjbaran SF, **Najafi Alamdarlo H** (2019) Determination of Economic Value of Agricultural Water in Greenhouse Cultivation of Qazvin Plain. *Journal of Science and Technology of Greenhouse Culture*. 2019; 10 (2) :55-68 (In Persian).

Akbari M, **Najafi Alamdarlo H**, Mosavi SH (2019) Impacts of Climate Change and Drought on Income Risk and Crop Pattern in Qazvin Plain Irrigation Network. *Journal of Water Research in Agriculture*, 33(2): 265-281. (In Persian).

Roshanfar MA, Amirnejad H, **Najafi Alamdarlo H**, Nazari B (2019) The Cost-effectiveness Evaluation of the Grant Policy for under Pressure Irrigation Systems in Conservation of Groundwater Resources. *Agricultural Economics & Development*, 33(2): 205-220. (In Persian).

Abolghasemi F, **Najafi Alamdarlo H**, Mortazavi SA (2020) Estimation of Shadow Price and External Cost of Groundwater Salinity in Agricultural Sector, *Journal of Environmental Science and Technology*, 22(8): 197-209. (In Persian).

Akbari M, **Najafi Alamdarlo H**, Mosavi SH (2021) Effect of drought on water quality and agricultural land value. *Journal of Geography and Development*, 19(63): 95-118. (In Persian).

Akbari M, **Najafi Alamdarlo H**, Mosavi SH (2020) Analysis of the effects of drought risk management using water productivity indicators. *Journal of Natural Environmental Hazards*, 10(27): 197-209. (In Persian).

Jami A, [Najafi Alamdarlo H](#), Mortazavi SA (2020) Effects of drought on cultivation pattern and welfare of farmers in South Mahyar plain. *Journal of Water Research in Agriculture*, 34(3): 481-494. (In Persian).

Avazdahandeh S, Khalilian S, [Najafi Alamdarlo H](#), Vakilpor MH (2021) Estimation of Water Demand, its Relationship with Other Inputs and the Impact of Technology on Water Consumption in Qazvin Province. *Iranian Journal of Trade Studies*, 97: 51-76. (In Persian).

Asadi M, [Najafi Alamdarlo H](#), Hoseinpor B (2021) Investigating the Effect of Macroeconomic Variables on Business Cycles in Iran, Markov-Switching Model Approach. *Journal of Econometric Modeling*, 5(4): 63-87. (In Persian).

AsadiKia H, Mosavi SH, Khalilian S, [Najafi Alamdarlo H](#) (2021) Comparison of technical and economic efficiency of trout farms production from imported and domestic egg, *Journal of Aquaculture Science*, 9(1): 35-47. (In Persian).

Jalyeri M, Vakilpor MH, Khalilian S, [Najafi Alamdarlo H](#) (2021) Estimating the shadow price of CO2 in the Isfahan province energy intensive industries using Stochastic Non-Parametric Envelopment of Data approach (StoNED), *Environmental Science*, 19(3): Online published. (In Persian).

Taei F, Khalilian S, Vakilpoor MH, [Najafi Alamdarlo H](#) (2021) Investigating the multiple effects of adjusting the price of energy carriers on Major economic-environmental Indicators in the agricultural sector of Iran, *Journal of Agricultural Economics and Development*, 29(2): 215-248. (In Persian).

Shemshadi K, [Najafi Alamdarlo H](#), Akbari M, Alizadeh B (2021) The Pathology of Iranian Agricultural Support Policies, *Majles and Rahbord*. 28(108):5-34. (In Persian).

Asadikia H, Mosavi SH, Khalilian S, [Najafi Alamdarlo H](#) (2022) Economic Efficiency Analysis of Cold-Water Fish Production Based on Self-Reliance on Domestic or Imported Eggs. *Agricultural Economics Research*. Online Published. (In Persian).

Kiani DehKiani M, [Najafi Alamdarlo H](#) (2022) Investigating the Relationship between Value Added of Agricultural Sub sectors and Income Inequality in Rural Areas of Iran. *Journal of Rural Development Strategies*, 9(1): 103-121. (In Persian).

Rezaeifar M, Khalilian S, [Najafi Alamdarlo H](#) (2022) Spatial distribution of food insecurity in urban and rural areas of Iran, *Agricultural Economics*, 16(1): 99-121. (In Persian).

Kiani De Kiani M, Khalilan S, [Najafi Alamdarlo H](#), Vakilpour M (2022) Evaluating the impact of rising food prices on the cost of living of Iranian households. *Journal of Economic Research*, 56(4): 771-802. (In Persian).

Jalayeri M, Vakilpor M, Khalilian S, [Najafi Alamdarlo H](#) (2022) Comparison of Technical and Environmental Efficiencies of Energy Industries in Isfahan Province - using Stochastic Nonparametric Envelopment of Data Approach. *Journal of Environmental Science and Technology*, 24(2): 285-300. (In Persian).

Rahmati D, Mortazavi SA, [Najafi Alamdarlo H](#), Vakilpor MH (2022) Evaluation of Non-Market Value of Karkheh Dam Water Transfer to Dasht-e Abbas Plain Aquifer of Ilam Province in Iran Using Choice Experiment (CE) Method. *Agricultural Economics and Development*, 30(2): 167-199. (In Persian).

Zakariyaei N, [Najafi Alamdarlo H](#), Mosavi SH (2022) Estimation of the shadow price of methane emissions in alternative methods of rice cultivation. *Journal of Natural Environment*, Article in Press. (In Persian).

AbbasMiri S, Mortazavi S, Vakilpor MH, [Najafi Alamdarlo H](#) (2022) Economic and Environmental Effects of Treated Wastewater Use in Agriculture in the South of Tehran City with SWAT model. *Ecohydrology*, Article in Press. (In Persian).

AbbasMiri S, Mortazavi S, Vakilpor MH, [Najafi Alamdarlo H](#) (2022) Estimating the amount of compensatory payment as a result of changes in energy prices in the field of urban drinking water consumers. *Applied Economic Studies Iran*, Article in Press. (In Persian).

Soltani S, Mosavi SH, Khalilian S, [Najafi Alamdarlo H](#) (2023) Assessing the effects of climate change on the prevalence of food insecurity with emphasis on the role of water resources management in Hamadan -Bahar plain. *The Economic Research (Sustainable Growth and Development)*, 23 (2) :249-274. (In Persian).

Soltani S, Mosavi SH, Khalilian S, [Najafi Alamdarlo H](#) (2023) The effects of climate change and climate variability on economic surplus of producers and consumers in the agricultural sector of Hamadan- Bahar plain. *Iranian Journal of Agricultural Economics and Development Research*, 54(1): 53-72. (In Persian).

Soltani S, Mosavi SH, Khalilian S, [Najafi Alamdarlo H](#) (2023) Investigation of management strategies to coping with climate change in order to reduce the poverty of farmer households in the Hamadan-Bahar plain. *Agricultural Economics*, 16(4), 57-91. (In Persian).

Zakariyaei N, [Najafi Alamdarlo H](#), Mosavi SH (2023) Evaluation of the adverse effects of rice planting restrictions on welfare in Iran. *The Journal of Economic Policy*, 14(28):1-20. (In Persian).

Assadi MA, [Najafi Alamdarlo H](#), Mosavi SH, Ehsani A (2023) Technical efficiency and its determinants: Arian broiler farms in Kurdistan province. *Animal Production*, 25(2): 229-240. (In Persian).

Karrari Gharebagh Sh, [Najafi Alamdarlo H](#), Khalilian S, Delavar M (2023) Agro-Economic Survey on Quantitative and Qualitative Changes of Irrigation Water in Urmia Plain of Iran. *Agricultural Economics and Development*, 31(3): 89-130. (In Persian).

Soltani S, Mosavi SH, Khalilian S, [Najafi Alamdarlo H](#) (2023) Reducing the waste of agricultural products; An optimal strategy to improve food security. *Agricultural Economics*, 17(3), 35-66. (In Persian).

Project

Estimating the economic value of ecosystem services in the northern part of the Central Alborz Protected Area, Mazandaran Environmental Protection Organization, 2020.

Computer Software Familiarities

General Software: Office, SPSS, Photoshop.

Expertise Software: EVIEWS, GAMS, LNDO, LINGO, R, STATA, MICROFIT.

Referee for Congress/Journal Articles

6th, 7th, 8th, 9th Congress of Pioneers of Progress, Tehran, Iran;

2th International Congress of Agricultural Sciences and environment, Tehran, March 2015.

30th International Conference of Agricultural Economists (ICAE 2018),

11th Biennial Conference on Agricultural Economics in Iran.

12th Biennial Conference on Agricultural Economics in Iran.

Agricultural Water Research Journal;

Applied Economic Research Journal;

Agricultural Economic;

Agricultural Economic and Development;

Iranian Economic Review,

Saffron Agronomy and Technology,

Iran-Water Resources Research,

Iranian Economic Review (University of Tehran),

Iranian Journal of Science and Technology, *Transactions of Civil Engineering* (Springer),

Applied Economics (Taylor & Francis),

Science of the Total Environment (Elsevier),

Journal of Agricultural Science and Technology (Tarbiat Modares University),

Ecological Indicators (Elsevier),

Environmental Science and Pollution Research (Springer),
Journal of International Trade & Economic Development (Taylor & Francis),
Sustainability (MDPI),
Agronomy (MDPI),
Agriculture (MDPI),
International Journal of Environmental Science and Technology (Springer).

Teaching Activities

PhD

Econometrics,
Natural Resource Economics,
Agricultural Management,
Energy Economics.

MSc

Macroeconomics,
Econometrics,
Natural Resource Economics,
Sustainable Development in Natural Resources,
Water Economics.