

Curriculum Vitae  
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Tarbiat Modares University

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### Personal Information

Date of Birth: 21 Sep. 1984  
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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, from 14 Oct 2014.

### 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).

**Jami Aniseh**, Economic Impacts of Drought in Groundwater Market in Mahyar Plain (In Process).

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

**Zakariyaei Nezam**, The Welfare Effects of Methane Emission Internalization on Iran's Rice Market (In Process).

#### PhD

**Karrari Shabnam**, Assessing the Economic and Social Effects of Groundwater Pollution in Urmia Plain (In Process).

### As an Advisor

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

## 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

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**, Sofalaei E (2015) The test of prior and posterior relationships between agricultural growth and pressure on natural resources in Iran. *Agricultural Economic*, 9(3): 141-161. (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**, 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: 1.1 and %JCR: 71.04).

**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: 0.816 and %JCR: 40.4).

**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: 2.344 and %JCR: 35.3).

**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: 4.9 and %JCR: 9.6).

**Najafi Alamdarlo H**, Riyahi F, Vakilpoor MH (2018) Wheat Self-Sufficiency, Water Restriction and Virtual Water Trade in Iran. *Networks and Spatial Economics*, In Press. (IF: 2.662 and %JCR: 18.07).

Mortazavi SA, **Najafi Alamdarlo H**, Zaghi Bijarbas M (2018) Estimating the eco-environmental value of damages caused by groundwater over drafting. *International Journal of Environmental Science and Technology*, In Press. (IF: 2.037).

**Najafi Alamdarlo H** (2018) The Economic Effects of Environmental Pollution Tax on the Wheat Market. *Journal of Agricultural Science and Technology*, In Press. (IF: 0.89).

**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: 3.182 and %JCR: 11.49).

### Computer Software Familiarities

General Software: Office, SPSS, Photoshop.

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

### Referee for Congress/Journal Articles

6<sup>th</sup>, 7<sup>th</sup>, 8<sup>th</sup>, 9<sup>th</sup> Congress of Pioneers of Progress, Tehran, Iran; 2<sup>th</sup> International Congress of Agricultural Sciences and environment, Tehran, March 2015. 30<sup>th</sup> International Conference of Agricultural Economists (ICAE 2018), 11<sup>th</sup> Biennial Conference on Agricultural Economics in Iran.

Agricultural Water Research Journal; Applied Economic Research Journal; Agricultural Economic; Agricultural Economic and Development; International Journal of Agricultural Management and Development, Iranian Economic Review, Saffron Agronomy and Technology, Iran-Water Resources Research.

### Teaching Activities

PhD

*Econometrics, Natural Resource Economics, Agricultural Management*

MSc

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