

## Naser Shahnoushi

**Ph.D.**

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Ferdowsi University of Mashhad, Iran

### **APPOINTMENTS:**

2020-2021: Adjunct Professor, Oklahoma City Community College (OCCC)

2017–2018: Visiting Scholar, Oklahoma State University (OSU)

2008: Visiting Scholar, Oklahoma State University (OSU)

2011- Present: Full Professor, Ferdowsi University of Mashhad (FUM), Iran

2004-2010: Associate Professor, Ferdowsi University of Mashhad (FUM), Iran

1997-2003: Assistant Professor, Ferdowsi University of Mashhad (FUM), Iran

2003: Visiting Scholar, Department of Land Economics, Aberdeen University, Scotland

### **FIELDS OF INTEREST:**

Primary: Water Economics, Agricultural policy, Macroeconomics

Secondary: International Trade of Agriculture Products, Agribusiness

### **EDUCATION:**

**2003**            **Ph.D.** Agricultural Economics, Tehran University, Iran

**1992**            **M.S.** Agricultural Economics, Shiraz University, Iran

**1988**            **B.S.** Economics, Isfahan University, Iran

## PUBLICATIONS

### A) SELECTED JOURNAL ARTICLES (50 out of 195 total)

1. M. Tirgariseraji. A.P. Nejadhashemi. M. Sabouhi Sabouni. Y. Jafari. T. Persson. A. Mirzabaev. A. Nikouei. K. Moller. **N. Shahnoushi Foroushani**. (2025). "Assessing the impact of nitrogen regulatory policies on fertilizer use and food production elasticity". *Journal of Cleaner Production*, 499, 145218.
2. S. Shayanmehr. S. Asumadu-Sarkodie. SH. Rastegari Henneberry. M. Sabouhi Sabouni. H. Mohammadi. R. Radmehr. E. Kwame Ofori. **N. Shahnoushi Froshani** (corresponding author). 2025. "Market mechanisms and their role in sustainable food security: Adapting to climate change in arid regions". *Sustainable Futures*. 9.
3. N. Yousefian. N. Shahnoushi Foroushani. A. Firoozzare. S. Taghvaeian. 2025. "Prioritizing the effects of sustainable development of reviving the qanat in Fariman-Torbat Jam plain- The Eastern of Iran". *Groundwater for Sustainable Development*. 28.
4. M. Tirgariseraji. P. Nejadhashemi. Y. Jafari. T. Persson. M. Sabouhi Sabouni. A. Mirzabaev. A. Nikouei. **N. shahnoushi Froshani** (corresponding author). 2024. "Exploring the instability in the food security due to nitrogen fertilizer regulatory policy". *Food and energy security*. 13 (3).
5. P. Alizadeh. H. Mohammadi. N. Shahnoushi Foroushani. S. Saghaeian. 2024. "Effects of Socio-Economic and Demographic Factors on Meat Consumption Pattern in Iran: A Demand System Approach". *Agris On-line Papers in Economics and Informatics*. 3 (16).
6. B. Fakari Sardehae. N. Shahnoushi Foroushani. S. Tabrizy. 2023. "Exchange Rate and Agricultural Trade: Evidence from Iran". *Economics Bulletin*, Volume 43 (1). 302-308.
7. M. Tirgariseraji. T. Persson. Y. Jafari. M. Sabouhi Sabouni. A. Mirzabaev. A. Nikouei. N. Shahnoushi Foroushani (corresponding author). 2023. "Aiming at low nitrogen leaching diets based on nitrogen fertilizer regulatory policy: A regional bio-economic assessment of the Zayandeh-Rud river basin-Iran". *Journal of Enviromental Managment*. 351. 119650-119666.
8. N. Yousefian. A. Firoozzare. S. Taghvaeian, **N. Shahnoushi Foroushani** (corresponding author). 2023. "The prioritization of volunteering revival measures of the Qanat". *Water Supply*. 23(11). 4510-4519.
9. V. Kavakebi, L. Abolhassani, M. Feizi1, N. Shahnoushi1, M. Pour, A. H. Viira, T. Dogot, H. Azadi. 2023. "Farmers' Trust in Extension Staff and Productivity: An Economic Experiment in Rural". *Journal of Agricultural Science and Technology*. 25(3). 551-564.
10. N. Zarei, A. Sharafat, M. Daneshvar Kakhki, N. Shahnoushi Foroushani, P. Rezvani Moghaddam, M. Sabouhi Sabouni. 2022. "An Investigation Into the Effect of Dust on Wheat Yield". *Journal of Environmental Assessment Policy and Management* 24. 3.

11. S. Shayanmehr. Sh. Rastegari Henneberry. E. Ali. M. Sabouhi Sabouni. **N. Shahnoushi Foroushani** (corresponding author). 2022." Climate change, food security, and sustainable production: a comparison between arid and semi - arid environments of Iran". Environment, Development and Sustainability. 24.11.
12. M. Hosseinzadeh. S. saghaian. Z. Nematollahi. N. Shahnoushi Foroushani. 2022. "Water consumption and economic growth: evidence for the environmental Kuznets curve". Water International. 47. 1-16.
13. M. Ramezani, L. Abolhassani. N. Shahnoushi Foroushani. D. Burgess. M. Aminizadeh, (2022). "Ecological Footprint and Its Determinants in MENA Countries: A Spatial Econometric Approach". Sustainability, 14(18), 11708.
14. S. Shayanmehr. J. Porhajašová. M. Babošová. M. Sabouhi Sabouni. H. Mohammadi. Sh. Rastegari Henneberry. **N. Shahnoushi Foroushani** (corresponding author). 2022. "The Impacts of Climate Change on Water Resources and Crop Production in an Arid Region". Agriculture. 12. 2-22.
15. S. Shayanmehr. **N. Shahnoushi Foroushani** (corresponding author), M. Sabouhi Sabouni. Sh. Rastegari. 2022. "Climate Change and Its Consequences on Food Security in Khorasan Region". Agricultural Economics, 15(4), 95-128.
16. H. Jahangard, H. Salami, **N. Shahnoushi Foroushani**, M. Kazemnezhad, M. Sabouhi Sabouni. 2022. "Evaluation and economic analysis of the effects of climate change on alfalfa yield in Iran with a drought mitigation approach." Iranian Journal of Agricultural Economics and Development Research, 52(2), 201-213.
17. F. Hayatgheibi, **N. Shahnoushi Foroushani**, B. Ghahraman, H. Samadi, M. Ghorbani, M. Sabouhi Sabouni. 2022. "Environmental Flow Assessment of Karun River in Upstream and Downstream of Beheshtabad Dam. Journal of water and soil. 3(77), 319-333.
18. B. Fakari Sardehae, **N. Shahnoushi Foroushani** (corresponding author), H. Mohammadi, S. Rastegari Henneberry. 2021. "Limitations and Production Capacities of Field and Horticultural Crops in Iran." Journal of Agricultural Science and Technology, 23(4), 767-782.
19. **N. Shahnoushi Foroushani**, A. Firoozzare, M. Jalerajab. 2020. "Data mining of Food Buyers behavior (Case study: Mashhad)." Agricultural Economics. 3(3). 1-25.
20. B. Fakari sardehae, **N. Shahnoushi Foroushani** (corresponding author), H. Mohammadi, Sh. Rastegari Henneberry. 2020. "Investigating the Effect of Input Consumption on Selected Grain Production in Iran." Agricultural Economics and Development. 4(112). 141-167.
21. **N. Shahnoushi Foroushani**, H. mohammadi. 2020. "Future study of wheat in Iran". Agricultural Economics. 14 (1), 27-49.
22. A, Sani Heidary, M. Daneshvar Kakhki, **N. Shanoushi Foroushani**, M Sabouhi. 2020. "Analysis of the Effect of Microcredit on Rural Sustainable Development Components:

- Application of Propensity Score Regression Approach and Bootstrap Algorithm.” *Agricultural Economics*. 1(1). 47-87.
23. **N. Shahnoushi Foroushani**, L. Abolhasani, E. Rahmati, R. Mohammadzadeh, 2020. “Rural financing in the field of agricultural financing: A case study of India, China and Turkey.” *Village and Development*. 24(93), 135-171.
  24. S. Shayanmehr, S. Henneberry, M. Sabouhi, **N. Shahnoushi Foroushani** (corresponding author).2020” Climate Change and Sustainability of Crop Yield in Dry Regions Food Insecurity” *Sustainability*, 12(23), 1-24.
  25. S. Shayanmehr, S. Henneberry, M. Sabouhi Sabouni, **N. Shahnoushi Foroushani** (corresponding author). 2020. “Drought, Climate Change, and Dryland Wheat Yield Response: An Econometric Approach” *Int. J. Environ. Res. Public Health*.17 (14), 5264-5281.
  26. A. Dorandish ,S. Saghaian, **N. Shahnoushi Foroushani**, N. Rezazadeh,S.Kohestani.2020 “The Relation Between Property Rights, Farm Size and Technical Efficiency for the Developing Countries' Agricultural Sector” *Journal of International Development* .32(5),749-762.
  27. P. Alizadeh, H Mohamadi, **N. Shahnoushi Foroushani**, S. Saghaian, A. Poya 2019. “Evaluating Cost Structure and Economies of Scale of Beef Cattle Fattening Farms in Mashhad City” *Journal of Agricultural Science and Technology*.21(7), 1753 -1766
  28. P. Alizadeh, H.Mohamadi, **N. Shahnoushi Foroushani**, S.Saghaian, A.Poya.2020. “Application of System Thinking Approach in Identifying the Challenges of Beef Value Chain” *Agris On-line Papers in Economics and Informatics*. 12(2), 3-16.
  29. P. Alizadeh, H.Mohamadi, **N. Shahnoushi Foroushani**, S. Saghaian, A.Poya.2019.” Evaluating Cost Structure and Economies of Scale of Beef Cattle Fattening Farms in Mashhad City” *Journal of Agricultural Science and Technology*.21 (7).1753-1766.
  30. H. Hatef, M. Danshvar, M. Khohansal, **N. Shahnoushi Foroushani**, M. Banaeyan.2019. “Climate vulnerability index fluctuation: a case of Iran” *Journal of Water and Climate Change*.10 (1), 223-235.
  31. S. Parsapur, S. Soltani, **N. Shahnoushi Froshani**. 2017. “Sustainable Management of Water Resources Based on Optimization of Agronomic, Environmental and Economic Factors Using Multi-objective fractional programming: Case Study of Farman Plain of Torbat Jam.” *Journal of Knowledge of agriculture and sustainable production*. (27), 147-163.
  32. H. Mohammadi, **N. Shahnoushi Foroushani**, Marzieh Ronaghi.2017. “The Effects of Governance Indicators on Per Capita Income, Investment and Employment in Selected Mena Countries.” *Iranian Economic Review* 21 (2), 211-229.
  33. Tohidi, **N. Shahnoushi Foroushani**, H. Mohammadi, P. Alizadeh.2015. “Experimental study on the financial impact of trade openness and government size (the application of the

- system of simultaneous equations model on panel data)." Journal of Economic value. (11), 1-19
34. **N. Shahnoushi Foroushani**, S. Naghavi, E. Rahmati. 2015. "Macro feedback (economic-environmental) the policies of population growth in Iran." Journal of Water and Sustainable Development. (3), 31-46.
  35. **N. Shahnoushi Foroushani**, L. Abolhasani, K. Davari, F. Hayatgheybi, Z. Nematolahi. 2015. "The impacts energy carriers and estimated rising energy prices on economic sectors of Iran." Journal of Water and Wastewater. (28), 84-94.
  36. **N. Shahnoushi Foroushani**, S. Shahoseyn, R. Mohammadzadeh. 2014. "Lessons from policies of development of agriculture and water resources of countries of China and India." Journal of Agricultural economics. 83-109.
  37. M. Taheri Safar, **N. Shahnoushi Foroushani**, L. Abolhasani. 2014. "Economic, social, Environmental Impact Assessment of Neyshabur Dam." Journal of Geography and natural hazards.
  38. **N. Shahnoushi Foroushani**, F. Hayatgheybi, M. Daneshvar. 2013. "Investigating the Interaction of Agricultural Sector with Other Economic Sectors in Khorasan Provinces." Journal of Economics and Regional Development. (19), 1-23.
  39. Fakari, **N. Shahnoushi Foroushani** (corresponding author), H. Mohammadi, A. Mirzapour, A. Dourandish. 2013. "The role and function of exchange of Iranian goods in determining the price of agricultural products by analysis of the network process (ANP)." Journal of agricultural economics. (6), 205-226.
  40. **N. Shahnoushi Foroushani**, S. Saghaian, M. Reed, F. Hayatgheibi Boldaji. 2013. "Value of Water in an Arid Area of Central Iran." Journal Basic and Applied Scientific Research. 3(3), 401-407.
  41. M. Moghimi, **N. Shahnoushi Foroushani**. 2012. "Remove fuel subsidies and its effects on production, costs and prices, in Khorasan Razavi." Journal of Economic Research (sustainable growth and development). (12), 1-23.
  42. **N. Shahnoushi Foroushani**, M. Mazhari, H. Khaksar, M. Rasoulzadeh. 2012. "A study on the factors affecting on women's participation in rural areas for the protection of agricultural water resources (case study: Province of Khorasan Razavi)." Journal of rural development. (15), 137-154.
  43. **N. Shahnoushi Foroushani**, M. Bakhsoudeh, A. Firouzzare, Y. Azinfar, A. Nikoukar. 2011. "Reviews the adequacy of the supply of animal protein products in regard objectives of the fourth program of Iran." Journal of agricultural economics and development. (19), 120-134.
  44. **N. Shahnoushi Foroushani**, S. Danesh, M. Daneshvar, M. Moghimi, B. Akbar. 2011. "Welfare and environmental quality impacts of green taxes in Iran (a computable general equilibrium model)." African Journal of Business Management. 4 (416), 155-172.

45. M. Moghimi, **N. Shahnoushi Foroushani**, Sh. Danesh, B. Akbari Moghadam, M. Daneshvar. 2011. "Study impacts of environmental welfare of green taxes and reducing fuel subsidies in a general equilibrium model." *Journal of Agricultural economics and development*. (19), 99-108.
46. F. Hayatgheybi, **N. Shahnoushi Foroushani**, M. Zibaei, M. Daneshvar, N. Akbari. 2011. "Estimation of contribution of water of zayandeh in province of Isfahan." *Journal of agricultural economics*. (6), 1-24.
47. F. Mohammadiyan, **N. Shahnoushi Foroushani**, M. Ghorbani, H. Aghel. 2010. "Determine model of sustainable agricultural (case study of Fry man plain-Torbat Jam)." *Journal of agricultural economics*. 4 (2)1-41.
48. H. Salami, **N. Shahnoushi Foroushani**, KJ Thomson. 2009. "The economic impacts of drought on the economy of Iran: An integration of linear programming and macro econometric modelling approaches." *Journal of Ecological Economics*. 68 (4), 1032-1039.
49. F. Mohammadian, **N. Shahnoushi Foroushani**, M Ghorbani, H Aghel. 2009. "Select the potential cropping pattern based on method and process of AHP analysis." *Journal of sustainable agriculture (science –research)*. 1 (19), 171-187.
50. F. Hayatgheybi, **N. Shahnoushi Foroushani**, R. Mohammadzadeh, Y. Azarinfar. 2009. "The study of pattern of response of wheat supply in Iran." *Journal of agricultural economics research*. (1), 91-106.

## **B) BOOKS**

### **a) Compilation (in Persian)**

1. "Introduction to green tax." publication of Ferdowsi university of Mashhad. 2015
2. "Development strategy of Industry, mining, trade for Khorasan Razavi Province and its cities." Publications of University jihad of Mashhad. 2015.
3. "Support policies of horticultural crops." Publications of Institute of Agriculture Economic Research. 2015.
4. "Bread wastes." Publications of Tarjoman Kherad. 2012.
5. "New cultivation." Publications of University jihad of Mashhad. 2009.

### **b) Compilation (in English)**

1. "Saffron: Science, technology and health - chapter 21" Publication of Elsevier. 2020.

### **c) Translated textbooks from English to Persian**

1. "Sustainability assessment." publication of Ferdowsi university of Mashhad. 2007.
2. "Range economics." publication of Ferdowsi university of Mashhad. 2006.
3. "Agricultural and rural products marketing." publication of Ferdowsi university of Mashhad. 2006.

### **C) PAPERS PRESENTED AT PROFESSIONAL CONFERENCES / MEETINGS (30 out of 63 total)**

1. M. Tirgariseraji; P. Nejadhashemi; N. Shahnoushi Foroushani. M. Sabouhi Sabouni. 2024. "Impacts of Nitrogen Fertilizer Regulations on Household Food Security". 12th International Congress on Environmental Modelling and Software (12TH iEMSS).
2. H. Mohammadi; L. Abolhasani; N. Shahnoushi Foroushani; F. Shabanian. 2018. "The effects of business cycle indicators on stock market indices of food industry in Iran." 30 th International Conference of Agricultural Economics.
3. L. Abolhasani, M. Tajabadi, N. Shahnoushi Foroushani. 2018. "Price elasticity of residential water demand: a Meta-analysis of studies on water demand, (case study: Iran)." 30 th International Conference of Agricultural Economics.
4. N. Shahnoushi Froshani, L. Abolhasani, R. Radmehr. 2017. "Can Virtual Water Trade Solve the World's Water Crisis?" The 1st International Conference of Virtual Water.
5. N. Shahnoushi Foroushani, S. Sayed, R. Hezareh, M. Tirgari Seraji. 2017. "Investigation of Relationship between World Food Prices and Energy Price: A Panel SUR Approach." Annual Meeting, February 4-7, 2017, Mobile, Alabama.
6. N. Shahnoushi Froshani, L. Abolhasani, K. Davari, F. Hayatgheybi Boldaji, Z. Nematolahi. 2016. "Influence of energy carriers and estimation of rising prices in the economic sectors of the country." First National Conference on Water Economics.
7. N. Shahnoushi Froshani, E. Rahmati. 2016. "The relationship between population and water crisis and its impact on macroeconomic variables." First National Conference on Water Economics.
8. M. Taheri Safar, L. Abolhasani, N. Shahnoushi Froshani. 2015. "Determination of the economic, social and environmental sustainability indicators of large dams." Third Iranian Conference on Environment and Agriculture.
9. N. Shahnoushi Froshani. 2015. "Study of Effective Factors on Rural Poverty in Iran." 3d international conference of economic, Finance and management outlooks 28-28 July 2015- Thailand.
10. S. Shahhossein Dastjerdy, N. Shahnoushi Froshani, A. Darijani, K. Davari. 2014. "Application of artificial neural network models in simulating the intensity of drought (province of Golestan)." 3d National Conference on comprehensive management of water resources.

11. L. Hassani, N. Shahnoushi Froshani. 2014. "The Effect of Information Transparency of Central Bank on Inflation in Iran." First International Conference on Economics, Management, Accounting and Social Sciences.
12. S. Yazdan bakhsh, M. Elahi, N. Shahnoushi Froshani. 2012. "Economic evaluation of sugar industry from a perspective." Thirty-fourth annual conference.
13. Z. Nematolahi, N. Shahnoushi Froshani. 2012. "Evaluation of the effects of targeting subsidies of energy carries on prices of agricultural products, food industry and household welfare (application of input-output table)." Eighth Biennial Conference of Iranian Agricultural Economics.
14. M. Jhaleh Rajabi, A. Firuzzare, N. Shahnoushi Froshani. 2012. "Prediction of consuming water by farmers in Khorasan Razavi within the framework of rational expectations." Eighth Biennial Conference of Iranian Agricultural Economics.
15. M. Jhaleh Rajabi, A. Firuzzare, N. Shahnoushi Froshani. 2012. "Estimation of function of Bread Waste to Improve Current Usage Model of Bread (Case Study of Mashhad)." Eighth Biennial Conference of Iranian Agricultural Economics.
16. N. Mahmudi Kanzagh, N. Shahnoushi Froshani. 2012. "Investment, Energy Consumption and Pollution in Developing Countries." Eighth Biennial Conference of Iranian Agricultural Economics.
17. S. Yazdan bakhsh, N. Shahnoushi Froshani, M. Tabraei. 2011. "SWOT – ANP Analysis of Food & Beverage Processing Industries in Khorasan-Razavi, Iran." IFAMA.
18. M. Tabraei, N. Shahnoushi Froshani. 2011. "The Elimination of Subsidy on Fossil Fuels & It, s Effects on Macroeconomic indicators in Khorasan-Razavi Province, Iran." 6th Annual International Symposium on Economic Theory, Policy and Applications.
19. N. Shahnoushi Froshani, S. H. Saghaian, N. Ashktorab. 2011. "An Analysis of Aflatoxin Food Safety Concerns and other Factors Affecting Iran's Pistachio Exports to European Countries, Australia and Japan." International Food and Agribusiness Management Association – IFAMA 2011.
20. S. Hamraz, N. Shahnoushi Foroushani. 2011. "Comparison of cropping pattern based on the comparative advantages by current pattern of Pomegranate in the Razavi Khorasan Province's counties." Journal of National Conference of pomegranate.
21. N. Shahnoushi Froshani, Samaneh Shahhossein Dastjerdy, Ali Darijani, Kamran Davary, Mohsen Tabraei, Sara Yazdan Bakhsh. 2010. "Drought Risk Management for Sustainable Use of Agricultural Water Resources in Golestan Province, Iran.doc." 5th international conference social responsibility and current challenges. 2010.
22. N. Shahnoushi Froshani, M. Motallebi, S. Yazdan Bakhsh, N. Ashktorab. 2010. "Estimation of Willingness to Pay for Air Quality Improvements." 5th international conference social responsibility and current challenges 2010.



23. N. Shahnoushi Froshani. 2009. "The Effect of Trade Liberalization on Water Resources Pollution in Iran: (Case Study Rice)." 11th International Conference on Global Business and Economic Development.
24. N. Shahnoushi Froshani, S. Shah Hosein Dstjerdi, Ali Darijani, K. Davari. 2009. "Risk management of drought for the sustainable use of agricultural resources in Province of Golestan." Conger of sustainability of qualitative and quantitative of water resources in Iran (Academy of Sciences).
25. M. JhaleRjabi, N. Shahnoushi Froshani, S. Dehghaniyan Ghotbabadi, M. Daneshvar Kakhki, A. Firuzzare, F. Salehi. 2009. "Investigating of Affecting Factors of Bread Wastes at the Production Stage." Fourth National Conference on Agricultural Products Wastes.
26. N. Shahnoushi Foroushani, M. Jalerajabi, F. Salehi. 2009. "Prospect of Sugarcane yield and sugar import in Iran using ARIMA model and neural network." Specialized Seminar on economic issues related sugarcane and its industries.
27. N. Shahnoushi Froshani. 2009. "Economic Efficiency of Smallholder Intensive Dairy Farms in Iran: Adjusted for Market Distortion" 111 EAAE-IAAE Seminar 'Small Farms: decline or persistence'.
28. N. Shahnoushi Froshani. 2009. "An Examination of the Relationship between Food Prices and Government Monetary Policies in Iran" Southern Agricultural Economics Association Annual Meeting, Atlanta, Georgia, US.
29. N. Shahnoushi Froshani. "Government Expenditure and Revenue Relation and Fiscal Sustainability in Iran." The 10th international conference of the society for global business and Economic Development (SGEBED). Japan. 2007.
30. N. Shahnoushi Froshani. "Government Monetary and Fiscal Policies Effects on Economic and Social Duality in Iran." Journal of 10th international conference of the society for global business and Economic Development (SGEBED). 2007. Japan.

## **EXPERIENCE:**

**Oklahoma City Community College (OCCC)**

**2020 -2021:** Adjunct professor

*Teaching:*

21SPM Principles of Macroeconomics

20SPM Principles of Macroeconomics

**Oklahoma State University (OSU)**

**2017 – 2018: Visiting Scholar**

*Research:*

- Water Economics, Water Management, and Agricultural Financing in Iran.
- Led to 3 journal articles which are under the review process of refereed journal.

**2008: Visiting Scholar**

*Research:*

- International trade of agricultural products.
- Led to 1 journal article.

**1997-Persent: Ferdowsi University of Mashhad (FUM), Iran**

*Research (20 out of 55)*

- 2023. “Measuring the Population Pressure and Environmental Capacity of Food Production in Zayandeh-Rud River Basin (Iran)- An Application of Bioeconomic approach” Supported by Iran Research and Natural Resources Center.
- 2022. “Analyzing and Assessing the Possible Economic and Environmental Effects of Inter-Basin Water Transfer from Karun to Zayanderood (Case Study: Behesht Abad Water Transfer Project).” Ministry of Energy in Iran.
- 2021. “Climate Change and Its Impacts on Major Crops Production and Market in Iran” Supported by Ministry of Energy in Iran.

- 2020. “Outlook for wheat production based on capacity- constraints in Iran (Futures Studies of Wheat in Iran).” Supported by National Agriculture and Water Strategic Research Center in Iran.
- 2019. “Investigation of drought effects on agricultural sector and economy of Iran” Supported by Ministry of Agriculture Jihad in Iran.
- 2017. “Mutation agricultural, water and rural development of Mexico and the factors affecting it”. Supported by National Agriculture and Water Strategic Research Center in Iran.
- 2017. “Feasibility of replacing of traditional cultivation with greenhouse cultivation of agricultural products. Comparing savings in inputs and factors of production with an emphasis on water”. Supported by National Agriculture and Water Strategic Research Center in Iran.
- 2017. “Designating of financing system for activities of agricultural sector”. Supported by Ministry of Agriculture Jihad in Iran.
- 2016. “Water economy in terms of energy consumption”. Supported by National Agriculture and Water Strategic Research Center in Iran.
- 2014. “The effectiveness of soil and water activities of Agriculture Organization of Khorasan Razavi on increasing production and productivity in agriculture and horticulture”. Supported by Ministry of Agriculture Jihad in Iran.
- 2014. “Organization and establishing water market in province of Khorasan Razavi”. Supported by Ministry of Energy in Iran.
- 2014. “Mutation agricultural, water and rural development of India and the factors affecting it”. Supported by National Agriculture and Water Strategic Research Center in Iran.
- 2014. “Effects enforcement law of targeted subsidies on wheat, flour and bread”. Supported by Ministry of Industry, Mine and Trade in Iran
- 2013. “The effectiveness of soil and water projects in the province of Khorasan Razavi”. Supported by Ministry of Agriculture Jihad in Iran.
- 2013. “Study mechanisms of economic investment in the construction of parks and green spaces in Mashhad”. Supported by Mashhad Municipality in Iran.
- 2012. “Upheaval in agricultural development, water and rural of China and its influencing factors”. Supported by National Agriculture and Water Strategic Research Center in Iran.
- 2012. “Economic and non-economic parameters affecting fluctuations in the prices of wheat, flour and bread in Iran”. Supported by Ministry of Industry, Mine and Trade in Iran
- 2012. “Comparative study on protection policies of horticultural Products in Iran and selected countries”. Supported by Ministry of Agriculture Jihad in Iran.
- 2012. “Codification of Document of Employment in province of Khorasan Razavi”. Supported by Ministry of Cooperatives, Laboure, and Social Welfare in Iran.

- 2012. “Adopt appropriate strategies by management of parks and green spaces of Mashhad Municipality in regard implement targeted subsidies law”. Supported by Mashhad Municipality in Iran.

*Teaching*

**2011-Present, Full Professor**

<u>Subject</u>	<u>Level</u>
Agricultural policy and development	MS.c
Macroeconomic	BS.c
Macroeconomic	MS.c
Advanced macroeconomics	Ph.D
Agricultural Policy	Ph.D

**2004-2010, Associate Professor**

<u>Subject</u>	<u>Level</u>
Macroeconomics	MS.c
Macroeconomics - I	BS.c
Econometrics - II	B.Sc
International trade of agricultural products	MS.c
Agricultural policy and development	MS.c.
Advanced natural resources economics	MS.c
Advanced price analysis	MS.c
Economy of development with emphasis on Iran	Ph.D
Advanced macroeconomics	Ph.D

**1997-2003, Assistant professor**

<u>Subject</u>	<u>Level</u>
Microeconomics	BS.c
Agricultural economics	BS.c
Application of Computer in agricultural economics	BS.c
Macroeconomics - I	BS.c
Linear programming	BS.c

Macroeconomics	MS.c
Fundamentals of economics	BS.c
Management and accounting	BS.c
Engineering economics	BS.c
Development and policy	BS.c
Macroeconomic - II	BS.c
General economics	BS.c
International trade of agricultural products	MS.c

### **2003 Department of Land Economics, Aberdeen University, Scotland**

#### **Visiting Scholar**

##### *Research*

- Economic impacts of drought in Iran.
- Led to 1 journal publications.

### **AWARDS AND HONORS**

- 2020** Outstanding Researcher, Ferdowsi University of Mashhad  
**2016** Outstanding Researcher, Ferdowsi University of Mashhad  
**2015** Outstanding Teacher of the Year Award, Iranian Agricultural Economics Society  
**2011** Outstanding Faculty of the Year Award, Ferdowsi University of Mashhad

### **LEADERSHIP AND SERVICE IN ACADEMIC AND SCHOLARLY ORGANIZATIONS**

- 2007, 2012-2014** Head of Agricultural Economics Department, Ferdowsi University of Mashhad  
**2009-2014** Head of Economic Research Group, Mashhad, Iran  
**2006-2008** Member of the Board, Iranian Agricultural Economics Society (IAES)  
**2007** Secretary of Sixth Agricultural Economics Conference, Mashhad, Iran  
**2010** Secretary of First Conference of the urban economy of Iran  
**2013-2017** Dean of Faculty of Agriculture of Ferdowsi University of Mashhad  
**2010-2017** Chairman of Committee of Economics and the Promotion of the  
**2007-2019** Redactor of Department of Agriculture of the Planning Council of Higher Education  
**2007- 2019** Member of Journal of agricultural economics and development  
**2015-2019** Member of Editorial Board of the journal of agricultural economics and development

<b>2011-2019</b>	Member of Editorial Board of journal of agricultural economics research
<b>2010-2019</b>	Member of Editorial Board of journal of economics and agricultural
<b>2011-2015</b>	Member of Editorial in chief of journal of economics and agricultural development
<b>2005- 2017</b>	Head of Department of economic planning of University of Mashhad
<b>2014-2019</b>	Member of Editorial Board of tourism studies
<b>2013-2017</b>	Member of Committee on the economy and promoting the agricultural group of Council of higher education planning
<b>2014-2017</b>	Chairman of Specialized Committee of agriculture and natural resources, Ferdowsi University of Mashhad
<b>2013-2017</b>	Member of Board of Auditors, Ferdowsi University of Mashhad
<b>2014-2016</b>	Member of Specialized group of engineering planning of agriculture and natural resources
<b>2015-2019</b>	Member of Research Council of Institute of planning, agricultural economics and rural development
<b>2013-2017</b>	Head of Department of Economics and Agricultural Promotion of Commission of Planning and Development of Agricultural Engineering and Natural Resources, Ministry of Science, Research and Technology
<b>2014 -2016</b>	Member of Scientific Board of Institute of Food Science and Technology of the Academic Center of Education, Culture and Research, Khorasan Razavi
<b>2009-2013</b>	Referee of Agricultural Economics and Development Quarterly Journal of Agricultural Economics
<b>2017</b>	Referee of the 10 <sup>th</sup> Biennial Conference of Iran's Agricultural Economics
<b>2009-2013</b>	Referee of Journal of Iran's Economics and Agricultural Development Researches

### **GRADUATE STUDENT COMMITTEE ACTIVITIES (29 out of 80 total)**

1. Aliakbar Hosein Zadeh. "Assessing factors affecting saving of private sector in Iran." MS thesis, Tehran University, 2006. Major academic advisor
2. Sahar Soltani. "Estimating the drought losses on urban and rural water resources in Iranshahr." MS thesis, Ferdowsi university of Mashhad, 2006. Major academic advisor.
3. Farshad Mohamadian. "Designing agricultural plan for sustainable agriculture emphasizing virtual water (case study: Torbat jam)." MS thesis, Ferdowsi university of Mashhad, 2007. Major academic advisor.
4. Samaneh Shahhossein Dastjerdy. "Drought risk management in the agricultural sector of province of Golestan." MS thesis, Ferdowsi university of Mashhad, 2008. Major academic advisor.
5. Fatemeh Hayatgheybi. "Estimation of water quota of Zayanderood in province of Esfahan." MS thesis, Ferdowsi university of Mashhad, 2009. Major academic advisor.

6. Zahra Rezaee. "The study of effect of protection policies on the added value of horticultural crops by of social accounting matrix (SAM)." MS thesis, Ferdowsi university of Mashhad, 2011. Major academic advisor.
7. Saman Ziaee. "Construction and applying of Computable General Equilibrium Model of multi-regional of Iran." Ph.D. thesis, Zabol University, 2011. Major academic advisor.
8. Masoomah Taherian. "The effect of increasing the price of water on crops pattern and agricultural water consumption policy with an emphasis on virtual water trade (Case Study: city of Khatam)." MS thesis, Ferdowsi university of Mashhad, 2011. Major academic advisor.
9. Azadeh Taali Moghadam. "Analysis of the price of wheat by the government guarantee on the level of production and the welfare of producers in Iran." MS thesis, Ferdowsi university of Mashhad, 2012. Major academic advisor.
10. Nazanin Mohammadzadeh, "An Estimation of Spatial Price Transmission in Iranian saffron market." Ph.D. thesis. Ferdowsi University of Mashhad. 2013. Major supervisor.
11. Marjan Taheri. "Assessment of economic, social and environmental sustainability of projects on Large Dams (Case Study: Bar Dam of Neyshabur)." MS thesis, Ferdowsi university of Mashhad, 2014. Major academic advisor.
12. Mahsa Bahrami nasab. "Determine the optimal cropping pattern under uncertainty with emphasis on water resources management." MS thesis, Ferdowsi University of Mashhad. 2014. Major academic advisor.
13. Mohammad Malekan, Investigate Import Function of selected Agricultural products in Iran." MS thesis, Ferdowsi University of Mashhad. 2014. Major academic advisor.
14. Marieh Negahdar, "Designing the rice future market in Mazandaran." MS thesis, Ferdowsi University of Mashhad. 2015. Major supervisor.
15. Atefeh Baiani, "Economic valuation of ecotourism in Iran: A case study in Naharkhoran Gorgan province." MS thesis, Ferdowsi University of Mashhad. 2015. Major supervisor.
16. Samaneh Heidarzadeh, "Evaluation factors influencing the choice of consuming different medicinal plants forms (Case study: Thyme, Menth and Liquorice)." MS thesis, Ferdowsi University of Mashhad. 2017. Major academic advisor.
17. Hakimeh Hatef, "Climate change and its impacts on Iran's food security." Ph.D. thesis. Ferdowsi University of Mashhad. 2018. Advisor.
18. Amin Nezam eslami, the comparative advantage of saffron production in Khorasan Razavi province with regard to greenhouse gas emissions (Case Study: Torbat Heydarieh region). MS thesis, Ferdowsi University of Mashhad. 2018. Major supervisor.
19. Ali Firozzare, "Spatial Investigation of Farmers' Collective and Individual Actions for Acceptance of Agri-environmental Schemes of Water-Related Ecosystem Services Improvement." Ph.D. thesis. Ferdowsi University of Mashhad. 2019. Major academic advisor.

20. Mazaher Janat Sadeghi, “Drought Effects on Bank Loans Repayment by the Farmers (Case Study Agricultural Bank of Khorasan- Razavi Province).” MS thesis, Ferdowsi University of Mashhad. 2019. Major supervisor.
21. Amin Najafi, “Factors Effecting the Level of Milk Consumption in Mashhad.” MS thesis, Ferdowsi University of Mashhad. 2019. Major supervisor.
22. Parisa Alizadeh, “Dynamic Modeling of the Effects of Supportive Government Policies on Value Chain of Red Meat in Mashhad.” Ph.D. thesis. Ferdowsi University of Mashhad. 2020. Supervisor.
23. Samira AnsariPoor, “Investigation of the impact of feedlot regeneration on rural sustainable development indicators (Case Study of Kashmar Region).” MS thesis, Ferdowsi University of Mashhad. 2020. Major supervisor.
24. Halimeh Jahangard, “Investigation of drought effects on agricultural sector and economy of Iran.” Ph.D. thesis. Ferdowsi University of Mashhad. 2021. Major supervisor.
25. Behzad Fakari, “Outlook for wheat production based on capacity- constraints in Iran (Futures Studies of Wheat in Iran).” Ph.D. thesis. Ferdowsi University of Mashhad. 2021. Major supervisor.
26. Samira Shaianmehr, “Climate Change and Its Impacts on Major Crops Production and Market in Iran.” Ph.D. thesis. Ferdowsi University of Mashhad. 2022. Major supervisor.
27. Fatemeh Haiatgheibi, “Analyzing and Assessing the Possible Economic and Environmental Effects of Inter-Basin Water Transfer from Karun to Zayanderood (Case Study: Behesht Abad Water Transfer Project).” Ph.D. thesis. Ferdowsi University of Mashhad. 2022. Major supervisor.
28. Aiaz khan Naseri, “Identifying factors affecting food security in Afghanistan” Ph.D. thesis. Ferdowsi University of Mashhad”. 2024. Major supervisor.
29. Mohammad Tirgariseraji, “Measuring the Population Pressure and Environmental Capacity of Food Production in Zayandeh-Rud River Basin (Iran)- An Application of Bioeconomic Approach” Ph.D. thesis. Ferdowsi University of Mashhad. 2024. Major supervisor.

## **CERTIFICATIONS:**

2020 Online Instructor Training Course - Oklahoma City Community College  
2023 Financial Analysis – Skills for Success (3 courses, Coursera)