



#### **PERSONAL INFORMATION:**

**Full Name:** Ramtin Joolaie

**Nationality:** Iranian

**Academic Level:** Associate Professor

**Cell:** +989123132628

**E-mail:** joolaie@gau.ac.ir

#### **EDUCATION:**

**Ph.D.:** Agricultural Economics, Management of Agricultural Units, Tarbiat Modares University, 1998-2004

**M.Sc.:** Agricultural Economics, Tarbiat Modares University, 1995-97

**B.Sc.:** Agricultural Economics, Shiraz University 1990-94

#### **RESEARCH INTEREST:**

Mathematical programming models, optimum cropping pattern, Farm management, Comparative advantage of agricultural products.

#### **PUBLICATION:**

##### **A. Articles published in English:**

1-Joolaie, R. Shirani Bidabadi, F. (2010). Comparative Advantages and Support Indices of Orange: Case Study of Mazandaran Province of Iran. American Eurasian J. Agric. & Environ. Sci., 9(4): 390-397.

2-Aghajani, A. Shirani Bidabadi, F. Joolaie, R. Keramatzadeh, A. (2013) Management cropping patterns agricultural crops of three counties of Mazandaran province of Iran, International Journal of Agriculture and Crop Sciences, Vol., 5(6), 596-602

3-Heidarpoor Malekshah, M. Shirani Bidabadi, F. Hassanpour , E. Joolaie, R. (2013) Investigating factors affecting on delay or non-payment of water bills by customers of rural water and Wastewater Company (case study of Gorgan county), International Journal of Agriculture and Crop Sciences, 5(19), 2322-2328.

4-Mirkarimi, S. H. Joolaie, R. Eshraghi, F. Shirani Bid Abadi, F. (2013), Application of Fuzzy Goal Programming in Cropping Pattern Management of Selected Crops in Mazandaran Province (Case Study Amol Township), International Journal of Agriculture and Crop Sciences, 6(15), 1062-1067.

5- Ataei, S. Joolaie, R. Fatahi Ardakani, A. Amirnejad, H. Shirani Bidabadi, F., 2013. Estimating the recreational value of wilderness areas in the tourist season with contingent valuation method (Case Study: Sadiq Abad Desert), International Journal of Farming and Allied Sciences, 2(23), 1112-1117.

6-Alamian, M. Eshraghi, F. Joolaie, R. (2013). Decomposition of growth of agricultural products value in Golestan province, International Journal of Agriculture and Crop Sciences, 6(3), 139-143.

7-Hasanvand, M. Joolaie R. Keramatzadeh, A. Eshraghi, F. (2013). Studying impact of available water quantity decrease on cropping pattern of agriculture crops to confronting drought condition: case study Neka city, Mazandaran province, International Journal of Agriculture and Crop Sciences, 6(10), 600-604.

8-Ahmadpour, A. Heshmati, G. Joolaie, R. (2016). Rangeland condition assessment based on economic criteria. Journal of landscape ecology, Vol: 9 / No. 2, 83-96.

9-Ahmadpour, A. Heshmati, G. Joolaie, R. (2017). A Conceptual Model on Relationship between Structure and Functions in Rangeland Ecosystems. Journal of rangeland science. Vol. 7, No. 3, 242-252.

10- Joolaie, R. Abedi Sarvestani, A. Taheri, F. Van Passel, S. Azadi, H. (2017). Sustainable cropping pattern in North Iran: application of fuzzy goal programming, Environment Development and Sustainability, 19(6), 2199- 2216.

11-Aghilinezhad, M., Gorgin, S., Van Uhm, D., Joolaie, R., Ghorbani, R., Paighambari, Y., Mohammadi, J., Jalali, A., (2018), What are the drivers of the occurrence of illegal fishing and conservation barriers of sturgeons in the Caspian Sea?, Aquatic Conservation, Volume 28, Issue 3,1-12

12- Kazemi-nejad, R., Rezaee, A., Joolaie, R., Keramatzadeh, K.,(2022) Investigating the effects of water resources consumption reduction policies on agricultural sustainability in different climates in Iran, *Environment, Development and Sustainability*(2022), <https://doi.org/10.1007/s10668-022-02745-1>

13- Hasti, F., Salmanmahiny, A., Rouhi, H., Sakieh, Y., Joolaie, R., Pezhooli, N., Developing an integrated land allocation model based on linear programming and game theory. *Environ Monit Assess* 195, 493 (2023). <https://doi.org/10.1007/s10661-023-11124-w>

## **B: Articles published in Persian**

14-Joolaie, R. Chizari, A. (1999). Citrus Marketing in Fars Province, *Sonboleh*, No. 112, pp. 60-67.(Persian)

15- Chizari, A. Joolaie , R (2000) A study of the comparative advantage of citrus in Fars province. *Modares Agricultural Sciences Quarterly Journal*, First Year, No. 4

16- Jeyran, A. Joolaie , R. (2005). Evaluation of comparative advantage and support indices of red meat. *Journal of Agricultural Economics and Development*, No. 49, pp. 117-139.

17- Joolaie, R. Azar, A. Chizari, A. (2005). Multi-regional programming models and its application in agriculture: A case study of Fars province, *Journal of Agricultural Economics and Development*, No. 51, pp. 87-112.

18- Joolaie, R. Jeyran, A. (2008). Comparative advantage or self-sufficiency? An Applied study in determining the strategy of wheat production, *Quarterly Journal of Agricultural Economics and Development*, No. 62, pp. 147-165.

19- Miladfar, H. Barani, H.Joolaie, R. Riazifar, P. (2010). Investigating and determining the optimal size of rangeland units based on economic productivity and social sustainability. (Case study: Rangelands of Urmia County), *Journal of Rangeland and Watershed Management*, *Iranian Journal of Natural Resources*, Volume 63, No. 1, pp. 115-118.

20-Joolaie, R. Jeyran, A. Yousefzadeh Jahromi, H. (2011), Investigation of comparative advantage and the effect of supportive policies on pomegranate production in Fars province, *Journal of Agricultural Economics*, Volume 5, Number 1, pp.167-185.

21- Shirani Bidabadi, F. Joolaie, R. Yousefzadeh Jahromi, H. (2011), Investigation of Comparative Advantage and Support Indicators of Kerman Province Dates, *Agricultural Economics Research*, Volume 3, Number 2, pp. 99- 116.

22- Joolaie, R. Kazemnejad, M. (2011), Comparative advantage and supportive policies on raisin production in Qazvin province, *Economics and Agricultural Development (Agricultural Sciences and Industries)*, Volume 25, Number 1, 29 to 37.

23- Yousefzadeh Jahromi, H. Joolaie, R. Shirani Bidabadi, F. (2012) Comparative advantage and supportive indices of Shaahaani dates: Case study of Fars province Jahrom county, *Agricultural Economics Research*, first year, first number, 55 to 78

24- Joolaie, R. Yousefzadeh Jahromi, H. Shirani Bidabadi, F. (2013), A Study of Competitiveness and Supportiveness of Cotton and Rice Production in Golestan Province, *Journal of Plant Production Research*, Volume 20, Number 2, pp. 216-197.

25- Sajjad Nazarian, Ali Najafinejad, Ramtin Joolaie, Economic evaluation of rainwater collection systems in arid and semi-arid regions, Case study: Aq Imam watershed, *Journal of Natural Resources Economics*, second year, second number, pp. 1-20

26- Hassanvand, V., Hassanvand, M. Joolaie, R. Shirani Bidabadi, F. (2014), Simulation of farmers' behavior by applying water reduction policy on cropping pattern using positive mathematical programming model (PMP), *Rural and Development Quarterly*, No. 4, pp. 71-92.

27- Rostami Moskopaei, F. Keramatzadeh, A. Joolaie, R. Kashiri, H. (2015), Economic study of the use of inputs in cotton production in Gorgan, *Iranian Cotton Research Journal*, Volume 3, Number 1, pp. 15-31.

28- Mir Karimi, Sh. Joolaie , R. Ishraqi, F. Shirani Bidabadi, F. (2015), Application of fuzzy approach in determining the optimum cropping pattern in order to achieve the goals of sustainable rural development, *Quarterly Journal of Rural and Development*, No.3, pp. 109-129.

29- Agh, M. Joolaie, R. Keramatzadeh, A. Shirani Bidabadi, F. (2015), Determining the cropping pattern with emphasis on fertilizer and water consumption reduction policy in Mazandaran province (Case study of Behshahr county), *Journal of Soil Management and Sustainable Production*, Volume 5, Number 3, pp. 247-259.

30- Tanhaei, M. Zare, E. Shirani Bidabadi, F. Joolaie , R. (2015), A study of food security status using food diversity index: a case study of rural areas of

Marvdasht county, Fars province, Quarterly Journal of Rural and Development, No. 4, pp. 15-17.

31- Hasti, F. Salman Mahini, A. Joolaie, R. Aghili, M. (2015), Game Theory, an Appropriate Solution in Resolving Conflicts in Landscaping, Environment and Development, Volume 6, Number 12, pp. 43-54.

32- Joolaie , R. Mirkarimi, Sh. Hassanvand, M. Shirani Bidabadi, F. (2016), Management of the optimum cropping pattern of crops in Mazandaran province using goal programming model, Agricultural Economics and Development, Volume 24, N 94, pp. 71-94

33- Mirkarimi, Sh. Joolaie, R. Eshraghi, F. Shirani Bidabadi, F. (2016), Cropping Pattern Management with Emphasis on Environmental Considerations (Case Study of Amol County), Environmental Science and Technology, Volume 18, Special Issue 2, pp. 331-342.

34- Hasti, F. Salman Mahini, A. Joolaie, R. (2016), Place Optimization Using Goal Programming, Game Theory and GIS, Land Management, Volume 8, Number 2, pp. 203-228

35- Eshraghi, F. Alamian, M. Joolaie , R. (2015), Growth Analysis of Value of Agricultural Products in Golestan Province, Quarterly Journal of Rural Development Strategies, Volume 2, Number 4, pp. 447-454.

36- Nasari, A. Keramatzadeh, A. Shirani Bidabadi, F. Joolaie, R. (2017), Determining the optimal food basket of different income groups in rural areas using weight goal programming model, Quarterly Journal of Rural and Development, Volume 20, Number 1, pp. 77-101.

37- Aghilinejad, M. Gorgin, S. Joolaie , R. Ghorbani, R. Peighambari, Y. Jahangiri, M. (2017), Identifying the effective factors of illegal fishing of sturgeon in the southwestern part of the Caspian Sea, Journal of Fisheries, Volume 70, Number 2, pp. 161-169.

38- Aghilinejad, M. Gorgin, S. Joolaie , R. Ghorbani, R. Peighambari, Y. Jahangiri, M. (2017), Application of Logit model in identifying the effective factors in illegal exploitation of commercial fish stocks in the Caspian Sea, Golestan province, Journal of Animal Environment, Volume 9, Number 4, pp. 269-276.

39- Joolaie, R. Mirkarimi, Sh. Amjadi, A. Barikani, E. (1397), Analysis of the Consequences of Change in Consumption of Agricultural Inputs According to the Fifth Development Plan, on the Cropping Pattern in Amol County, Journal of Agricultural Economics, Volume 12, Number 1, pp. 1-19.

40- Hassanvand, M. Joolaie , R. Keramatzadeh, A. Eshraghi, F. (2015), Application of Positive Mathematical Programming Model to Analyze

the Effect of Price Change Policy and Amount of Agricultural Water on Cropping Pattern of Neka County, Journal of Agricultural Economics, Volume 12, Number 3, pp. 73-95.

41- Ahmadpour, A. Heshmati, Gh. Joolaie , R. (2018), Economic evaluation of recreational value in degraded rangelands of Sohan Chenaran watershed, Agricultural Economics Research, Volume 10, Number 4, pp. 39-58.

42- Jafari Lisar, N. Keramatzadeh, A. Joolaie, R. (2019). Investigating the Impact of Government Support Policies on Rice Supply in Iran, Journal of Agricultural Economics Research, Volume 11, Number 1, pp. 17-18.

43- Jafari Lisar, N. Keramatzadeh, A. Joolaie , R. (2019). Investigating the Welfare Effects of Rice Pricing Policies in Iran, Journal of Agricultural Economics Research, Volume 12, Number 3, pp. 73-94.

44- Rostami Moskopaei, F. Keramatzadeh, A. Joolaie, R. Kashiri, H. (2019), Investigation of economic and financial profitability of different cotton cultivation systems and its effect on the cropping pattern of Gorgan county, Iranian Cotton Research Journal, Volume 7, Number 1, pp. 83-98.

45- Rostami Moskopaei, F. Keramatzadeh, A. Joolaie , R. Kashiri, H. (2019), Investigating the changes in the cultivated area and profitability of cotton products due to the implementation of government supportive policies: A case study of Gorgan county, Agricultural Economics and Development, Volume 27, Number 108, pp. 41-62.

46- Eshraghi, F. Akbari, Sh. Joolaie , R. (2019). Investigation of Price Asymmetry in Iran's Sugar Import Market, Agricultural Economics Research, Volume 12, Number 2, pp. 217-236.

47- Bahadori, M. Joolaie , R. Eshraghi, F and Rezaei, A. (2019), Optimizing the cropping pattern in Rey county with regard to risk, agricultural economics and development, Volume 27, Number 107, pp. 133-163.

48- Deilmi, A. Joolaie , R. Rezaei, A. Keramatzadeh, A. (2019), Investigation of the effects of climate change on yield, gross profit and cropping pattern of Gorgan county, Journal of Agricultural Economics, Volume 13, Number 2, pp. 137-160.

49- Mirkarimi, Sh. Amirnejad, H. Joolaie , R. (2019), Integration of Core and Uncertainty Bankruptcy Methods for Optimal Allocation of Gorganrud-Gharahso Basin, Journal of Agricultural Economics, Volume 13, Number 4, pp. 105-126.

50- Mirkarimi, Sh. Amirnejad, H. Joolaie , R. (2020), The role of price factor in water management of Gorganrud-Gharasoo basin, Journal of Soil and Water Conservation Research, Volume 2, Number 3, pp. 181-195.

51- Tajari, A. Shirani Bidabadi, F. Keramatzadeh, A. Joolaie, R. (2020), Environmental Impact Investigation of Agricultural Chemical Inputs Pricing Policy in Aliabad-e-Katul County, Journal of Agricultural Economics, Volume 14, Number 2, pp. 1-21.

52- Keramatzadeh, A. Khosravipayam, and. Joolaie , R.(2020), The Impact of water pricing method on agricultural water consumption in Gonbad Kavous County, Journal of Water and Soil Conservation Research, Volume 27, Number 2, pp. 179-194.

53- Rezaei, A. Joolaie , R. Keramatzadeh, A. (2020), The effect of agricultural water price policies and rationing on the sustainability of water resources in Golestan province, Journal of Water Research in Agriculture, Volume 34, Number 2, pp. 269-285.

### **C. Conferences:**

1- Yousefzadeh, H. Joolaie , R. Shirani Bidabadi, F. (2011), Sensitive Analysis of Social Profitability of Kerman Dates to World Crop Prices, National Conference on Agricultural Management, Islamic Azad University, Jahrom Branch. (June 5 and 6, 2011)

2- Shirani Bidabadi, F. Yousefzadeh Fard Jahromi, H. Joolaie, R. (2011) A Study of Social and Individual Factors Affecting the Consumption of Medicinal Plants: A Case Study of Gorgan, the Second National Student Conference on Iranian Economics, Mazandaran University, Faculty of Economics and Administrative Sciences.

3- Yousefzadeh, H. Joolaie , R. Shirani Bidabadi, F. (2011). Sensitivity Analysis of Social Profitability of Orange in Mazandaran Province to Exchange Rate, Regional Conference on Knowledge Management in Sustainable Agriculture and Natural Resources, Gorgan University of Agricultural Sciences and Natural Resources. (May 31 and June 1, 1990)

4- Hassanvand, Maryam, Ramtin Joolaie, Ali Keramatzadeh, and Farshid Eshraghi, 2012, Determining the economic value of agricultural water using the model of optimum cropping pattern Case study of Neka city, Mazandaran province, The first national conference on strategies for achieving sustainable development, Tehran, Ministry of Interior.

5- Hassanvand, M. Joolaie , R. Keramatzadeh, A. Eshraghi, F. (2012), Determining the Economic Value of Agricultural Water Using the

Optimum Cropping Pattern: A Case Study of Khorramabad County, Lorestan Province,  
The First National Conference on Strategies for Achieving Sustainable Development, March 11, 2012, Tehran.

6- Eshraghi, F. Alamian, M. Joolaie, R. (2012) Factors affecting the growth of Iran's agricultural sector, the first scientific-specialized conference on rural development and agriculture with emphasis on national production, Payame Noor University of Piranshahr.

7- Mirkarimi, Shahrzad, Ramtin Joolaie, Farshid Eshraghi and Farhad Shirani Bidabadi (2012), The Role of Optimal Use of Fertilizer and Toxin Inputs in Sustainable Agriculture, 2nd National Conference on Sustainable Development of Agriculture and Healthy Environment, Hamedan, Iran, 21 / 6/91.

8- Mirkarimi, Shahrzad, Ramtin Joolaie, Farshid Eshraghi and Farhad Shirani Bidabadi (2013), Management of Cultivation Model and Analysis of Employment in Agricultural Sector in the Conditions of Economic Sanctions (Ideal Planning Approach), International Electronic Conference on Economics in Sanctions.

9- Dizej Cheraghi, E. Joolaie, R. Keramatzadeh, A. (2014), Determining the optimum cropping pattern of Mazandaran Province, (case study Sari County), International Conference and Online Green Economy.

10- Dizej Cheraghi, E. Joolaie, R. Keramatzadeh, A. (2014), Productivity Analysis of Production Factors in Rice Cultivation of Mazandaran Province (Case Study, Sari County), The Second National Conference on Sustainable Development of Agriculture and Healthy Environment.

11- Nobahar, Z. Joolaie, R. Keramatzadeh, A. Dehghani, E. (2014), Determining the optimum cropping pattern using linear programming (Case study: Ardabil city), Fourth National Conference on Health, Environment and Sustainable Development, Bandar Abbas, Iran.

12- Joolaie, R. Keramatzadeh, A. Dizej Cheraghi, E. (2014), The Impact of Chemical Fertilizer Reduction on Agricultural Employment and Rural Development in Sari County: Application of PMP Model, 2nd International Conference on Rural Development, Mashhad, Iran.

13- Joolaie, R. Keramatzadeh, A. Dizej Cheraghi, aE. (2014), Estimation of Economic Value of Agricultural Inputs in Sari County: Application of Optimum Cropping Model, 2nd International Conference on Rural Development, Mashhad, Iran.



14- Bayat, H. Joolaie, R. Shirani Bidabadi, F. Eshraghi, F. (2014), Investigation of Comparative Advantage and Support Indices of Soybean and Rapeseed Products in Mazandaran Province (Case Study of Ghaemshahr County), The Second National Conference on Agriculture and Sustainable Natural Resources, Online.

15- Ravanbakhsh, Sh. Joolaie , R. Zare Mehrjerdi, M. Eshraghi, F. (2014), Export Forecast of Iranian Agricultural Products to Until 2018, 2nd National Conference on Agricultural Engineering and Management, Environment and Natural Resources, Tehran, Iran.

16- Bahadori, M. Joolaie , R. Eshraghi, F. Rezaei, A. (2016). Effects of income risk on the cropping pattern in Rey county, 6th National Conference on Sustainable Agriculture and Natural Resources, Tehran, Iran.

17- Bahadori, M. Joolaie, R. Eshraqhi, F. Rezaei, A. (2016). Determining the optimum cropping pattern in Rey county in risk condition: Application of Target Motad Model, 6th National Conference on Agriculture and Sustainable Natural Resources, Tehran, Iran.

18- Hosseini, T. Joolaie , R. Shirani Bidabadi, F. Eshraghi, F. (2016). Investigation the uncertainty of price and yield of crop products in Neka County with positive mathematical programming model, 6th National Conference on Sustainable Agriculture and Natural Resources, Tehran, Iran.

19- Bahadori, M. Joolaie , R. Eshraghi, F. Rezaei, A. (2016). Optimizing the cropping pattern of Rey County by considering income risk, First International Conference on Environmental Sciences, Agriculture and Natural Resources, Hamedan, Iran.

20- Bahadori, M. Joolaie, R. Eshraghi, F. Rezaei, A. (2016). Optimization of cropping pattern in Rey county: Application of linear programming, First International Conference on Environmental Sciences, Agriculture and Natural Resources, Hamedan, Iran.

21- Kordjazi, M. Joolaie , R. Shirani Bidabadi, F. Keramatzadeh, A. (2016). Investigating the Marketing Route of Canned Olives in Gorgan, The First International Conference on Environmental Sciences, Agriculture and Natural Resources, Hamedan, Iran.

22- Kordjazi, M. Joolaie, R. Shirani Bidabadi, F. Keramatzadeh, A. (2016). Analysis of Margin and cost of agricultural products marketing in Iran, First International Conference on Environmental Sciences, Agriculture and Natural Resources, Hamedan, Iran.

23- Bahadori, M.Joolaie, R. Eshraghi, F. Rezaei, A. (2016). Investigation of risk aversion of farmers in Rey county using advanced MOTAD model, the first international conference on the new horizons in agricultural sciences, natural resources and environment, Tehran, Iran.

**D: Projects:**

Projects title	Year of completion	Position	Employer
Efficient price planning for agricultural products	2002	Co-worker	Institute For Trade Studies and Research
Sustainable Agricultural Development Strategy	2003	Co-worker	Food and Agriculture Organization(F.A.O)
A study on the experiences of selected countries in regulating the market of agricultural products	2003	Strategy expert Supervisor	Agricultural Planning, Economic and Rural Development Research Institute (APERDRI)
Investigation of the comparative advantage and supportive indices of cotton in Golestan province	2011	Executor	Gorgan University of Agricultural Sciences and Natural Resources
Investigation of comparative advantage and supportive indicators of rice in Golestan province	2011	Executor	Gorgan University of Agricultural Sciences and Natural Resources

Investigation of comparative advantage and support indicators of selected horticultural products	2009	Executor	Agricultural Planning, Economic and Rural Development Research Institute (APERDRI)
Management of the cropping pattern and horticulture in Mazandaran province	2015	Executor	Agricultural Planning, Economic and Rural Development Research Institute (APERDRI)
Application of coping strategy(CSI) in estimating nutritional status amongst the staff of Gorgan University of Agricultural Sciences and Natural Resources	2012	Co-worker	Gorgan University of Agricultural Sciences and Natural Resources

Investigation of the comparative advantage and supportive indicators of rapeseed in Golestan province	2014	Executor	Gorgan University of Agricultural Sciences and Natural Resources
Determining the economic value of water input in rice production in the city of Sari, Mazandaran province.	2015	Co-worker	Gorgan University of Agricultural Sciences and Natural Resources
Survey on the quality of life index in urban and rural areas of Iran	2015	Co-worker	Gorgan University of Agricultural Sciences and Natural Resources
The Impact of Government Policies on Cereals in Mazandaran Province: Application of Policy Analysis Matrix	2016	Executor	Gorgan University of Agricultural Sciences and Natural Resources

Investigating the Impact of Water Resources Pricing Policy on Cropping Pattern in Gorgan	2017	Co-worker	Gorgan University of Agricultural Sciences and Natural Resources
Measuring the efficiency of rice farmers in Mazandaran province	2018	Executor	Gorgan University of Agricultural Sciences and Natural Resources
A Standard Model for Assessing the Socio- Economic Impact of Assigning Development Projects to Non-Governmental Sector	2020	Executor	Golestan Governorate (selected plan of the Ministry of Science, Research and Technology in 2020)
Investigating the Effects of Fluctuations in Price and Yield on Cropping Pattern, A Case Study: Gorgan township	2020	Executor	Gorgan University of Agricultural Sciences and Natural Resources

**E. Workshops:**

- 1- Economic evaluation of projects, Workshop, Golestan Regional Water Company.

## ACADEMIC TEACHING EXPERIENCE:

**B.Sc.:** Microeconomics 1, Macroeconomics 1, Mathematical Economics, Farm Management, Econometrics, Marketing Agricultural Products, Agricultural Economics, Marketing and Export, Research Methods in Agricultural Economics, Economics and Agricultural Management, Application of Mathematical Programming in Agricultural Economics.

**M.Sc.:** Advanced Microeconomics, Advanced Farm Management, Advanced Application of Mathematical Programming in Agricultural Economics, Socio Economic Issues of Desert Areas, Socio-Economic Issues of Watersheds, Research Methods, Price Analysis of Agricultural Products.

## SERVICE AND PROFESSIONAL MEMBERSHIP:

Member, Iranian Agricultural Economics society

## LANGUAGES:

Persian: native

English: Speaking: Intermediate;

Listening: Intermediate;

Reading: Excellent;

Writing: Intermediate