

# CV

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## **Education Records:**

Bachelor of Science in Agriculture, Tehran University, Iran (1960-64)  
Master of Science in Forestry Economics, University of California, Berkeley, USA (1965-67)  
Ph.D. in Agricultural Economics, University of California, Berkeley, USA (1967-70)

### ***Course Streams:***

- Production Economics and Farm Management
- Agricultural Policy
- Natural Resource Economics
- Benefit-Cost Analysis

*MS. Thesis:* Wood Requirements and Resources of IRAN in Relation to Economic Development.

*Ph.D.Thesis:* Development of Irrigated Agriculture in IRAN: the Problem of Choice Between Irrigation Techniques.

## **Professional Experiences:**

### ***Academic***

- 1) *Instructor* at Agricultural Training School (Iran) 1964-1965
- 2) *Research Assistant*, Department of Agricultural Economics, University of California, Berkeley 1969-1970
- 3) *Assistant Professor* of Agriculture Economics, Shiraz 1971-1975
- 4) *Associate Professor*, Shiraz University 1975-1984
- 5) *Visiting Scholar*, University of Florida, USA 1976-1977
- 6) *Professor*, Shiraz University 1984-
- 7) *Visiting Scholar*, Department of Agricultural Economics, University of New England, Armidale, NSW, Australia 1987-1988
- 8) *Visiting Scholar*, Department of Agricultural and Resource Economics, University of Western Australia, Nedlands, WA, Australia, 1997
- 9) *Associate Editor*, IRAN Agricultural Research Journal
- 10) *President*, IRANIAN Agricultural Economics Society
- 11) IRAN Academy of Science *Member*
- 12) Ex EOLSS *Consulting Editor*

- 13) Ex FAO Regional Consultant
- 14) Head Department of Agriculture and Economics, 1982 – 1988
- 15) Research Fellow, Economic Research Forum for Arab countries Iran and Turkey
- 16) Participating in Sustainable Agriculture Program ,USDA Graduate School, Washington ,D. C. July 23-August 11, 2007.
- 17) Chairman, Environmental Economics Conference, National Academy of Sciences, May 5, 2010, Tehran, Iran
- 18) Chairman, 8<sup>th</sup> Biennial Conference of Iranian Agricultural Economics held in May 2012 at Shiraz University.
- 19) Chief Editor, Journal of Agricultural Economic Research ( <http://Journals.miau.ac.ir/jae>
- 20) Associate Editor, Iranian Journal of Agricultural Economics ( [www.iranianaes.com](http://www.iranianaes.com) ).
- 20) Founding member of International Iranian Economic Association.

### **Membership of Professional Societies:**

International Association of Agricultural Economists  
 American Agricultural Economic Association (past member)  
 Australian Agricultural Economics Society (past member)  
 Asian Society of Agricultural Economists  
 Iranian Agricultural Economic Society .

## **P U B L I C A T I O N S :**

### **I. Journal ARTICLES and Conference papers:**

1. Problems of Choosing Irrigation Techniques in a Developing Country. *Water Resources Research*, 8(1), 1972.
2. Estimation of Returns to Irrigation Water in Fars Province, Iran. *Quarterly Journal of International Agriculture*, 1974.
3. Considerations for Determination of Optimum Size of Farms in Irrigated Agriculture. *Iran Journal of Agricultural Research*, 1(2), 1972.
4. Economic Analysis of Water-Saving Techniques in Iran. *Water Resources Bulletin*, 13(1), 1977.
5. Cost-Size Relationships and Traditional Farmer's Economic Behavior. *Southern Journal of Agricultural Economics*, 8(2), 1976.
6. The Effects of Farm Mechanization on Labor Utilization and Its Social Implications. *Indian Journal of Agricultural Economics*, 29(1), 1974.
7. Small Farm versus Large Farm Development in Iran. *Indian Journal of Agricultural Economics*, 22(3), 1978.

8. Labor Productivity on Small Farms in Relation to Rural Migration: The Case of Iran. *Iran Agricultural Research*, 1(2), 1982.
9. Co-operative Farm Credit for Unemployed Graduates in Iran: A Case Study. *Saving and Development*, 11(1), 1987.
10. Sadan,E.and G.R.Soltani, "Technology, Wages and Factor Shares". Paper presented at the Annual Meeting of the Western Agricultural Economic Association-Tucson, Arizona, 1970.
11. Karami,E. and G.R.Soltani, "Rural Development and Out-Migration from Small and Large Villages in Iran". *IRAN Agricultural Research*, 7(2), 1988.
12. G.R.Soltani, S.Pandy and W.Musgrave, "Transferring Crop-Water Production Function Knowledge to Developing Countries: Problems and Prospects". *International Association of Agricultural Economists Occasional Paper No.6*, 1992.
13. Under-Employment and Rural Migration in IRAN. *Iran Agricultural Research*, 10(1), 1991
14. The Economics of Water Resources Utilization. *Proceedings of the Regional Conference on Water Resources Management, Isfahan University of Technology, Aug. 28-30, 1995.*
15. Pricing and Allocation of Irrigation Water. *Proceedings of 2nd Symposium on Iran Agricultural Policy, Shiraz University-Shiraz, Iran- Oct. 1993.*
16. The Impact of Economic and Social Factors on Range Management and Utilization in Iran. *Proceedings of Range Management Seminar, Isfahan University of Technology, Oct. 1994.*
17. Irrigation Planning for Optimal Use of Water Resources. *Proceedings of the First Congress of National Soil and Water Planning, Ministry of Agriculture- Tehran, Iran- Oct. 1994.*
18. Soltani, G.R. and A. Kehkha, "A Comparative Study of Input and Product Price Subsidies in Agriculture: A Case Study". *Proceedings of 3rd Planning and Development Conference, Tehran University- Tehran, Iran- July, 1994.*
19. Kohansal, M. and Soltani, G.R., "The Economic Effects of Eliminating Fertilizer Subsidy in Fars Province". *Agriculture Economics and Development; Special Issue, Winter 1993.*
20. Zibaei, M. and G.R.Soltani, "Alternative Methods of Estimating Frontier Production Function and Technical Efficiency in Dairy Farms". *Plan and Development*, 2(10) 71-79, 1995.
21. 21.Kehkha, A. and G.R.Soltani, "Determination of Farmers' Risk Aversion Coefficient in Fars Province". *Proceedings of First Agricultural Economics Conference of Iran. Zabol-Iran, 5-7 April, 1996.*
22. Sabuhi, M. and G.R.Soltani, "Modeling to Generate Alternatives: A Tool for Agricultural Planning". *Proceedings of First Agricultural Economics Conference of Iran. Zabol-Iran, 5-7 April, 1996.*
23. Rahmani, R. and G.R.Soltani, "Optimizing Crop-Livestock Systems". *Proceedings of First Agricultural Economics Conference of Iran. Zabol-Iran, 5-7 April, 1996.*
24. Economic Analysis of Poultry Farms in Fars Province. *Research Report No.79, College of Agriculture, Shiraz University, 1995.*
25. Self-sufficiency vs. Comparative Advantage in Agricultural Production. *Tazehaye Eghtessad: A Monthly Review of Economy and Banking No. 22, Mar. 1996.*
26. Trade Policy and Agricultural Development. *Agricultural Economics and Development; Special Issue, Winter 1993.*
27. Hassanpour, B. and G.R.Soltani, "Systems Simulation and its Application to Agriculture". *Proceedings of the First Agricultural Economics Conference of Iran. Zabol-Iran, 5-7 April, 1996.*
28. Pourafzal, H and G.R.Soltani, "Socio-Economic Study of Villages under Dorudzan Dam". *Research Report No.1, College of Agriculture, Shiraz University, 1975.*
29. Sadeghi, M. and G.R.Soltani, "Economic Analysis of Machine-Labor Substitution in Dorudzan Dam Region". *Research Report No.4, College of Agriculture, Shiraz University, 1978.*

30. Soltani, G.R. and M. Sadeghi, "Determination of Economic Returns in Farms with Different Sizes in Dorudzan Dam Region". *Research Report No.4 College of Agriculture, Shiraz University, 1978.*
31. Determination of Minimum Economic Size in Relation to Rural Migration in Dorudzan Region. *Proceedings of the First Symposium on Iran Agricultural Policy, Shiraz University, Shiraz-Iran, Oct. 1979.*
32. Pourafzal, H., N. Najafi, and G.R. Soltani, "Problems of Fruit and Vegetable Marketing in Shiraz". *Research Report No.3, Department of Agricultural Economics, Shiraz University, 1986.*
33. Problems and Prospects of Agricultural Development and Farmers' Income Improvement in Fars Province. *Research Report No.2, Department of Agricultural Economics, Shiraz University, 1986.*
34. Soltani, G.R., J. Torkamani, and D. Zarnegar, "Determination of Marketing Margins of Fruit and Vegetables in Shiraz". *Iranian Journal of Agricultural Sciences. 17(3&4), 1987.*
35. Economic Principles of Natural and Environmental Resources Utilization Policy". *Proceedings of Economic Development and Environmental Considerations Seminar, Tehran University, February 1992.*
36. The Role of Agricultural Research, Education and Extension in Iran: A Systems View. *Proceedings of 6th Agricultural Extension Seminar, Ferdowsi University, Meshad, Iran, 1992.*
37. Application of Mathematical Programming in Agricultural Development Planning. *Proceedings of the First Planning and Development Conference, Sharif University of Technology, Tehran, January 1992.*
38. Najafi, B. and G.R. Soltani, "Study of Rural Services Centers of Marvdasht". *Research Report No.6, Shiraz University, 1986.*
39. Soltani, G.R. and M. Zibaei, "Pricing Irrigation Water in Iran". *Journal of Water and Development; Special Issue. Ministry of Energy, Tehran-Iran, December 1996.*
40. Development and Rational Utilization of Water Resources of Iran. *Proceedings of the First Conference of Economic Reconstruction, Islamic Republic of Iran-Tehran, 1989.*
41. Management and Rational Utilization of Nomads' Rangeland in Iran. *Paper presented at International Conference on Nomads' and Economic Development. University of Shahre Kord, September 1993.*
42. Najafi, B. and G.R. Soltani, "Economic Efficiency of Mosha Cooperatives In Fars Province, Iran". *Proceedings of 2nd Planning and Development Conference-Tehran, January 1994.*
43. Malek-mohammadi, I., E. Shahbazi, and G.R. Soltani. Inferential Study on the Relations between Characteristics & Research Status of Agricultural & Natural Resources Faculty Members in Iran. *Quarterly Journal of the Academy of Sciences of I.R.IRAN, Vol 3, No 4, Fall 1996.*
44. Malek-mohammadi, I., G.R. Soltani, and E. Shahbazi. Factors unfavorable to Research Project Undertaken by Agricultural & Natural Resources Faculty Members. *Quarterly Journal of the Academy of Sciences of I.R.IRAN, Vol 4, No 6 & 7, 1997.*
45. Soltani, G.R. Biotechnology & Sustainable Agricultural Development. *Quarterly Journal of Agricultural Economics & Development, No 4, 1997.*
46. Assadi, H. and G.R. Soltani. Estimation of Municipal Demand for Water in Tonekabon. *Journal of Water & Development, Vol 4, No 4, March 1997.*
47. Abdollahi, M.G. and G.R. Soltani. Optimal Utilization of Rafsanjan Groundwater Resources. *Journal of Water & Development, Vol 5, No 1, June 1997.*
48. Soltani G.R. *Optimal utilization of water resources with emphasis on deficit irrigation. Proceedings of the first optimization conference. Oct 1998, Ferdowsi University Mashhad.*
49. Soltani G.R. and M. Abdollahi. *Economic comparison of alternative ground water resources management in arid and semiarid regions. Proceedings of thirty ninth science week conference, November 1999, Damascus, Syria.*

50. Abdeslahi, A. and G.R. Soltani. Investigation of farmers risk behavior using the empirical, econometric and risk programming models. *Journal of science and technology of agriculture and natural resources*. 4(1), 2000.
51. Ahmadpour, M. and G.R. Soltani. Impact of fishing technology on labor productivity in Bushehr province. *Journal of science and technology of agriculture and natural resources*. 4(2), 2000.
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54. Zibae, M. and G.R.Soltani. The effects of increasing the acreage of corn on the cropping pattern and farmer's income in Fars province. *Journal of science and technology of agriculture and natural resources*. 2(4), 1999.
55. Torkamani, J., G.R. Soltani, and H. Asadi. Effects of water price on optimum consumption of water. *Journal of agricultural science and technology*. 13(2), 1999.
56. Zande Parsa, Sh., G.R. Soltani and A.R. Sepaskhah. Determination of optimum irrigation depth of corn in sprinkler irrigation. *Journal of science and technology of agriculture and natural resources*. 2000.
57. Abdollahi, M., and G.R. Soltani, Time allocation in rural households, A case study for Rafsanjan. *Iranian journal of agricultural sciences*. In press.
58. G.R. Soltani. Irrigation management focusing on sustainability. Presented at ERF Annual Conference Amman, Jordan, October 2000.
59. ----- . Precision Technology for sustainable agriculture. Contributed paper. Third Asian conference of agricultural economists, October 18-20, 2000. Jaipur, India.
60. Zibae, M. and G.R. Soltani. Risk efficient wheat irrigation strategy in Kavar region of Iran. *Journal of Agricultural Economics and Development*. No.36 Winter 2002.
61. Abdollahi, M. and G.R. Soltani. Investigating the possible participation of farmers in using a simple farm management information system: A Case study in Rafsanjan, Iran. *Journal of Science and Technology of Agriculture and Natural Resources*. 5(4), 2001.
62. Soltani, G.R. and H. Mohammadi. Estimation of Iran's import demand for rice using source Differentiated Aids Model. Paper presented at 24<sup>th</sup> International Rice Research Conference, Beijing, Peoples Republic of China. 16-20 September 2002.
63. Soltani, G.R. and M . Bakhshoodeh.. Evaluations of Iran's Agricultural sector performance. A report prepared for the World Bank. July 2003.
64. Soltani, G.R. and M . Bakhshoodeh. 2004 Rice market liberalisation in Iran: Welfare and poverty working paper 0231. *The Economic Research Forum*.
65. Soltani G.R 2004. Determination of Rate of return on Investment in the Agriculture sector of Iran. *Agricultural Economics and Development*. 12:19 – 40.
66. Kehkha , A. , G.R.Soltani, R, Villano.2005. Agricultural Risk analysis in the Fars province of Iran: A risk programming Approach. Presented at the 49<sup>th</sup> Annual Conference of the Australian Agricultural Resource Economics Society, Coffs Harbour.
67. Soltani, G.R. 2005. Factors Affecting farmers performance in Sustainable irrigation Management. ERF research project No.: 0405.
68. Soltani, G.R. 2005. Pricing Irrigation Water focusing on sustainability ERF research project report ( Project No: ERF.IR. 3001)
69. Soltani, G.R. and M. Bakhshoodeh 2005. Enhancing Agricultural Water Productivity in MENA Countries through Adoption of Improved Irrigation Technology under production risk. Presented at ERF 12<sup>th</sup> Annual Conference in Cairo, Egypt.
70. Soltani, G.R. and M. Sabouhi 2006. Evaluating Optimal Cropping Patterns of mathematical programming models in terms of social profits. *Journal of Agricultural sciences and Technology*, 20: 111-123.

71. Soltani, G.R., and M. Bakhshoodeh 2007. *Optimization of Agricultural water use and Trade patterns: The case of Iran*. GDN Research project report No : ERF-05-IR3002.
72. Soltani, G.R. and M. Sabouhi -*Determination of deficit Irrigation strategy aimed at maximizing Social profits* .*Quarterly Journal Agricultural economics and Development*. In press.
73. Zibaei, M. , G.R.Soltani, and M. Bakhshoodeh. 2007. *The utility Maximizing investment in the well capacity for Conjunctive use of ground and surface waters at farm level in Southern Iran*. *Journal of Agricultural science and Tchnology*. ( JAST )
- 74 Soltani, G.R. and M. Sabouhi 2007.*Evaluation of Alternative Ground water management strategies in the Nariman plain of Khorasan province, Iran*. *Journal of science and technology of Agricultural and Natural Resources*. Esfahan University of Technology, Spring, vol. 11, No. 1 ( B ) .
75. Sabuhi, M., and G.R.Soltani. 2008. *Optimization of Cropping Patterns at Basin level focusing on its water potential*. *Journal of science and technology of Agricultural and Natural Resources*. Esfahan university of Technology, vol. 12, No. 1.
- 76 Sabuhi, M., and G.R.Soltani. 2007. *The effects of Irrigation water pricing on the social and private profits using Positive Mathematical Programming*. *Journal of Agricultural science and Technology*. In press.
- 77.Soltani, G.R., Sh.Shajari, and S.Salmanzadeh. 2008. *The economic returns and distribution of social benefits of Agricultural Research,, Education and Extension in Iran*. *Journal of Economics and Agricultuer* ,in press.
- 78.Asadi, H., G.R.Soltani, and J.Torkamani. 2007. *Irrigation Water Pricing in Iran* .*Agricultural Economics and Development*, vol. 15, no. 5.
- 79.Soltani, G.R., and M.Sabuhi. 2008. *Economic and Social impacts of Groundwater Overdraft: the case of Iran* .*Presentation at 15<sup>th</sup> ERF annual conference*. 23-25 November .Cairo, Egypt.
- 80.Shajari, S., M.Bakhshoodeh and G.R.Soltani. 2008. *Suitability of Multiple-Criteria Decision Making Simulations to study Irrigation Water Demand :A case study in the Doroudzan River Basin ,Iran* .*American-Eurasian j. Agric. & Environ.Sci.* 2:25-35.
- 81.....2008. *Enhancing Irrigation Water Use Efficiency under production Risk :Evidence from Wheat Farms in Iran*. *American-Eurasian j. Agric. & Environ. Sci.*, 2:36-41.
82. ....( 2009). *Efficient and Economic use of Irrigation water for mitigating drought:possibilities and limitations*. *proceedings of National drought seminar:Issues and mitigation*. 13-14 may 2009. college of agriculture, Shiraz university, Shiraz, Iran.
- 83.Shajari, S., M.Bakhshoodeh, and G.R.Soltani. ( 2009 ) *Economic Efficiency of irrigation water under risk conditions in Fars Province:A case study of wheat farms in Darab Plain*. *Journal of Water Mangement*. 1:25-44.
- 84.Farajzadeh, Z. and G.R.Soltani. ( 2009 ). *Estimating visitors 'Willingness to pay for the Pasargad Historical Palaces using Contingent valuation Method*. *Quarterly journal of economic Research*. 9:89-111.
- 85.Shajari, S., M.Bakhshoodeh, and G.R.Soltani ( 2010 ). *Enhancing irrigation Demand Management focusing on Sustainable use of water in Doroudzan River Basin using Decision Support System*. *Presentation at the 7<sup>th</sup> Biennial conference of Iranian Agricultural Economic Association*, 3-4<sup>th</sup> February 2010. *Agriculture and Natural Resources Campus, Karaj, Iran*.
- 86.Soltani, G.R. ( 2010 ). *The need for orientation of Economic Research towards Sustainable Agriculture. :Invited paper*. *Iranian jour. Of Agricultural Economics*. 4:1-7.
- 87.....( 2010 ). *Agricultural Water Management Focusing on Sustainability*. *Presentation at sustainable management of Water resources Conference*. *National Academy of Sciences February 2010*. *Tehran, Islamic Republic of Iran*.

- 88.....( 2010).*Analysis of Agricultural water productivity in Drought affected Areas:A case study in Marvdasht-Korbal Basin.Proceedings of 7<sup>th</sup> Biennial conference of Iranian Agricultural Economics, February 3-4, 2010, Karaj, Iran.*
89. *Investigating the Sustainability of Farming systems Regarding Economic and Environmental Objectives :Case study of Kamfirooz Region ( 2010 ).Iranian Journal of Agricultural Economics, 4:1-28.*
90. *Economics of Environmental Resource use Policy ( 2011 ).Paper presented at the Environmental Economics Conference. National Academy of Sciences of IRIR. May 5, 2011, Tehran, Iran.*
91. *Irrigation water Demand Management, Public participation and Decision Support Systems in Doroodzan Dam Irrigation Areas.:Proceedings of National Drought Seminar: Issues and Mitigation, May 13-14,2009, Shiraz University, college of Agriculture, Shiraz,Iran.*
- 92.*Sustainable Farm system Management considering Economic and Environmental attitudes.2012.Journal of Applied Economics Letters,19,1745-1752 :*
- 93.*Comparative study of Agricultural water use and Demand management in MENA countries. Journal of Agricultural Economics Research,4: 1-25.*
- 94.*Optimal utilization of underground water resources: A case study of Fasa city. Journal of Basic and Applied Scientific Research. Vol.2,No.11, November,2012.*
95. *Agricultural Water-use efficiency in a Global perspective : The case of Iran. Working paper No.778,OCT.2013.*
- 96.*The impact of groundwater over-extraction on farmers welfare: The case of wheat growers in Fasa county. Journal of agricultural economic research, vol.5, winter issue, January, 2013.*
97. *Agricultural water use efficiency revisited focusing on environmental water rights. Agricultural Economics, special issue ( in Persian ): 17-28.*
- 98.*An investigation of physical and economic productivity of agricultural water: A case study of Fars province, Iran.2014.International Bulletin of water resources & development,no.3: 125-134.*
- 99-*Optimal operation of Doroodzan Reservoir with emphasis on Agricultural water productivity,2015.Quarterly Journal of Agricultural Economics and Development.*
- 100-*Reservoir operation and water allocation in Doroodzan Dam irrigation network with emphasis on water distribution equity,contributed paper,Agricultur and Development Conference, 12 Shahrivar, 1394, Tehran.*
- 101-*Developing Environmental Conservation Strategies in Sanction situation: Case study,Bakhtegan Wetland.3<sup>rd</sup> International conference on Economy under sanction, Tehran.*
- 102-*Optimal operation of Multi-Reservoir system of Bakhtegan Basin,Fars province,Iran.International conference on modern Researchs in Management,Economics and Accounting,27July,2015,Istanbul, Turkey.*

## **II. Books:**

1. *Agricultural Economics: Principles with Applications, University Publication Center-Tehran, 1984.*
2. *Farm Management, Shiraz University Press-Shiraz, 1988.*
3. *Engineering Economy, Shiraz University Press-Shiraz, 1990.*
4. *Application of Mathematical Programming in Economic Analysis of Agriculture. Research, Education and Extension Organization, Ministry of Agriculture Press - Tehran, 2000.*
5. *A Dictionary of Agriculture & Natural Resources, Vol. 8: Agricultural Economics, Tehran University Press-Tehran, 2000.*

6. *A New Dictionary of Agriculture & Natural Resources ,Vol. 8: Agricultural Economics, National Academy of Sciences. Tehran University Press-Tehran,2010.*
7. *Economics of Water Resources,in press.*