

Curriculum Vitae of Dr. A. Narayanamoorthy

Personal:

1. Name	A. NARAYANAMOORTHY
2. Sex	Male
3. Date of birth	24.05.1964
4. Nationality	Indian
5. Address for communication	Dr. A. Narayanamoorthy Professor and Director Centre for Rural Development, Alagappa University, Karaikudi – 630 003, Tamil Nadu, India E-mail: na_narayana@hotmail.com Tel: +91-4565-225842 (O); 229095 (R) Fax: +91-4565-225202

Key Qualifications:

Dr. A. Narayanamoorthy is currently working as Professor and Director, Centre for Rural Development, Alagappa University, Karaikudi, Tamil Nadu, India. During November 1994 to June 2005, he worked in different capacities including Officer-in-Charge, Agro-Economic Research Centre, at Gokhale Institute of Politics and Economics (Deemed to be a University), Pune, which is a leading research and teaching Institute for Economics in India. He has been working in the area of agricultural and rural economics over the last 17 years. He specializes in the area of irrigation including micro irrigation, watershed management and rural non-farm employment. Dr. Narayanamoorthy has published three books, two mimeographs and over 75 research articles in both international and Indian journals. He has completed several research projects on various themes sponsored by the Ministry of Agriculture, Government of India, Planning Commission, Government of India and the National Bank for Agriculture and Rural Development (NABARD), India. He has also acted as a consultant for the study on *Impact of Irrigation in India: An Aggregate Level Analysis* sponsored by the International Water Management Institute, Colombo. Besides acting referee for different journals, he has been teaching post-graduate level course on Agricultural Economics and refresher courses organised for College and University teachers.

Academic Qualifications:

Degree	Year	Institution	Class with %
B. A. Economics	1985	H.H. The Rajah's College, Pudukkottai, Tamil Nadu, India.	First (63.7)
M. A. Economics	1987	Rajah Serfosi College, Thanjavur, Tamil Nadu, India.	First (72.9)
M.Phil. Economics	1988	Department of Economics, Bharathidasan University, Tiruchirapalli, Tamil Nadu, India.	First (68.0)
Ph.D. Economics	1993	Department of Economics, Bharathidasan University, Tiruchirapalli, Tamil Nadu, India.	Awarded in 1994

Title of the Ph.D. Thesis:

“Adoption of New Technology Components in Agriculture: A Comparative Study of Bore Well Owning and Non-Bore Well Owning Cultivators”.

Research Experience:

About 17 years of Research Experience in Irrigation, Agriculture and Rural Economy.

Present Position:

Working as *Professor and Director, Centre for Rural Development, Alagappa University, Karaikudi – 630 003, Tamil Nadu, India* since June 27, 2005.

Research Papers/Articles Published:***International Journals/Book Chapters:***

Narayanamoorthy, A (2004), “Impact Assessment of Drip Irrigation in India: A Case of Sugarcane”, *Development Policy Review*, Vol. 22, No. 4, pp. 443-462.

Narayanamoorthy, A. (2004), “Drip Irrigation in India: Can it Solve Water Scarcity?”, *Water Policy*, Vol. 6, No. 2, pp. 117-130.

Madhusudan Bhattarai and A. Narayanamoorthy (2003), “Impact of Irrigation on Rural Poverty in India: An Aggregate Panel-Data Analysis”, *Water Policy*, Vol. 5, Nos. 5-6, pp. 443-458.

Madhusudan Bhattarai; Randolph Barker and A. Narayanamoorthy (2003), “Who Benefits from Irrigation Development in India?: Implications of Irrigation Multipliers for Cost Recovery and Irrigation Financing” in Hsu, Shiang-Kueen (ed.), *INCID Asia Regional Workshop Proceedings: Sustainable Development of Water Resources and Management and Operation of Participatory Irrigation Organisations*, Vol. 1, Taipei, Taiwan, pp. 285-296.

Narayanamoorthy, A. (2002), “Indian Irrigation: Five Decades of Development”, *Water Resources Journal*, No. 212, June, pp.1-29.

Narayanamoorthy, A and R. S. Deshpande (1999), “Irrigation Sector of Maharashtra: Some Policy Related Aspects”, *Water Resources Journal*, No. 200, March, pp. 72-82.

Narayanamoorthy, A. (1997), “Beneficial Impact of Drip Irrigation: A Study Based on Western India”, *Water Resources Journal*, No.195, December, pp. 17-25.

Narayanamoorthy, A (1996), “Electric Pumpset and Groundwater Management: Macro and Micro Evidence of India”, *Water Resources Journal*, No.189, June, pp. 24-33.

Narayanamoorthy, A. (1993), “*Competition for Bore-Well Water and Its Impact on Tank: Some Observations*”, in proceedings of the 15th International Congress on Irrigation and Drainage, The Hague, The Netherlands, pp. 557-566.

Indian Journals/Book Chapters:

Narayanamoorthy, A. (2005), "Economics of Drip Irrigation in Sugarcane Cultivation: Case Study of a Farmer from Tamil Nadu", *Indian Journal of Agricultural Economics*, Vol. 60, No. 2, April-June, pp. 235-248.

Narayanamoorthy, A and Madhusudan Bhattarai (2004), "Can Irrigation Increase Agricultural Wages: An Analysis Across Indian Districts", *Indian Journal of Labour Economics*, Vol. 47, No. 2, April-June, pp. 251-268.

Narayanamoorthy, A. (2004), "More Crop Per Drop: Financial Viability of Drip Irrigation", in *India Infrastructure Report: 2004*, Oxford University Press, New Delhi.

Narayanamoorthy, A. (2004), "Linkages Between Irrigation and Rural Non-Farm Employment: A Disaggregate Level Analysis Based on Census Data", in P. Purushotham (ed.), *Rural Non-Farm Employment*, National Institute of Rural Development, Hyderabad, India.

Narayanamoorthy, A (2003), "Averting Water Crisis by Drip Method of Irrigation: A Study of Two Water-Intensive Crops", *Indian Journal of Agricultural Economics*, Vol. 58m No. 3, July-September, pp. 427-437.

Kalamkar, S. S. and A. Narayanamoorthy (2003), "Impact of Liberalisation on Domestic Agricultural Prices and Farm Income: An Analysis Across States and Crops", *Indian Journal of Agricultural Economics*, Vol. 58, No. 3, July-September, pp. 353-364.

Narayanamoorthy, A and R. S. Deshpande (2003), "Irrigation Development and Agricultural Wages: An Analysis Across States", *Economic and Political Weekly*, Vol.38, No.35, August 30, pp. 3716-3722.

Narayanamoorthy, A and B. N. Kamble (2003), "Trends and Determinants of Rural Literacy among Scheduled Castes Population: A State Level Analysis", *Journal of Education Planning and Administration*, Vol.17, No.1, January, pp. 35-53.

Narayanamoorthy, A.; Queenie Rodrigues and Ashwini Phadnis (2002), "Determinants of Rural Non-Farm Employment: An Analysis of 256 Districts", *Indian Journal of Labour Economics*, Vol. 45, No. 4, October-December, pp. 759-770.

Deshpande R. S. and A. Narayanamoorthy (2002), "Policy for Agriculture and Rural Development in the Context of Tenth Plan", *Agricultural Situation in India*, Vol. 59, No. 6, September, pp. 363-374.

Narayanamoorthy, A (2002), "Evaluation of Seed Use in Pulses and Oilseeds in Maharashtra: An Empirical Analysis" (Abstract), *Indian Journal of Agricultural Economics*, Vol. 57, No. 3, July-September, pp.485-486.

Bhattarai M. and A. Narayanamoorthy (2002), "Impact of Agricultural Growth and Poverty Alleviation: Macro Level Analyses in India", *Water Policy Research Highlight No. 12*, IWMI-TATA, International Water Management Institute, Gujarat, India.

Narayanamoorthy, A (2001), "Irrigation and Rural Poverty Nexus: A State-wise Analysis", *Indian Journal of Agricultural Economics*, Vol.56, No.1, January-March, pp. 40-56.

Narayanamoorthy, A (2001), "Economic Evaluation of Drip Irrigation – A Study of Maharashtra", in H. P. Singh, *et al.*, (eds.), *Micro Irrigation*, Central Board of irrigation and Power, New Delhi, pp. 730-740.

Narayanamoorthy, A (2001), "Agricultural Wages and Employment During Post-Reforms Period: Statewise and Cropwise Evidence" (Abstract), *Indian Journal of Agricultural Economics*, Vol. 56, No.3, July-September, p. 558.

Narayanamoorthy, A and R. S. Deshpande (2001), "Role of Irrigation in Agricultural Performance Revisited", *Man and Development*, Vol. 23, No. 3, September, pp. 64-75.

Narayanamoorthy, A and R. S. Deshpande (2001), "Irrigation, Agrarian Relations and Agricultural Labourers: A State-wise Analysis", *The Indian Journal of Labour Economics*, Vol. 44, No. 4, October-December, pp.827-841.

Narayanamoorthy, A (2001), "Indebtedness of the Scheduled Castes Agricultural Labour Households: A State-wise Analysis", *Artha Vijnana*, Vol. 43, Nos. 1-2, March-June, pp. 173-192.

Deshpande, R. S.; A. Jyotishi and A. Narayanamoorthy (2001), "Indebtedness Among Agricultural Labourers from Deprived Castes: Towards an Explanation", *Artha Vijnana*, Vol. 43, Nos. 1-2, March-June, pp. 159-172.

Deshpande, R.S. and A. Narayanamoorthy (2001), "Issues Before Second Irrigation Commission of Maharashtra", *Economic and Political Weekly*, Vol. 36, No.12, March 24-30, pp. 1034-1043.

Narayanamoorthy, A (2000), "Farmers' Education and Productivity of Crops: A New Approach", *Indian Journal of Agricultural Economics*, Vol.55, No. 3, July-September, pp. 511-520.

Narayanamoorthy, A (2000), "Demand and Supply Position of Pulses: A Macro Level Analysis", *Productivity*, Vol. 41, No. 2, July-September, pp. 327-337.

Deshpande, R.S and A. Narayanamoorthy (1999), "An Appraisal of Watershed Development Programme Across Regions in India", *Artha Vijnana* (whole issue), Vol. 41, No.4, December, pp. 415-515.

Narayanamoorthy, A.; A. Jyotishi and R.S. Deshpande (1999), "Agricultural Growth and Migration: Search for New Evidence", *Indian Journal of Agricultural Economics*, Vol. 54, No. 3, July-September, pp. 402-411.

Narayanamoorthy, A (1999), "Farmers in Groundwater Management", *Kurukshetra*, Vol. 47, No. 10, July, pp. 16-20.

Narayanamoorthy, A (1999), "Changing Scenario of Electricity Consumption in Indian Agriculture", *Productivity*, Vol. 40. No. 1, April-June, pp. 128-138.

Narayanamoorthy, A (1997), "Economic Viability of Drip Irrigation: An Empirical Analysis from Maharashtra", *Indian Journal of Agricultural Economics*, Vol. 52, No. 4, October-December, pp. 728-739.

Narayanamoorthy, A (1998), "Drip and Surface Methods of Irrigation in Maharashtra: A Comparative Field Level Analysis", *Prajnan*, Vol. 26, No. 4, January-March, pp. 501-521.

Deshpande, R. S and A. Narayanamoorthy (1997), "A Review of Rural Development Strategies: Staggered Path and Distant Goals", *The Administrator*, Vol. 42, No.4, 1997, pp. 21-34.

Narayanamoorthy, A (1999), "Drip Irrigation for Sustainable Agriculture", *Productivity*, Vol. 39, No. 4, January-March, pp. 672-680.

Narayanamoorthy, A (1997), "Drip Irrigation in India: Prospects and Potentials", *Agricultural Situation in India*, Vol. 54, No. 9, December, pp. 577-582.

Deshpande, R. S and A. Narayanamoorthy (1998), "A Policy Review of Irrigation Sector in Maharashtra", in S.G. Bhanushali and A.G. Pujari (eds.), *Changing Perspectives in Indian Agriculture*, published by R.R. Doshi Felicitation Committee, Kolhapur, pp. 120-136.

Narayanamoorthy, A (1997), "Drip Irrigation: A Viable Option for Future Irrigation Development", *Productivity*, Vol. 38, No. 3, October-December, pp. 504-511.

Narayanamoorthy, A (1997), "Impact of Electricity Tariff Policies on the Use of Electricity and Groundwater: Arguments and Facts", *Artha Vijnana*, Vol. 39, No.3, September, pp. 323-340.

Deshpande, R. S and Narayanamoorthy, A (1997), "Maharashtratil Jalsinchan Kshetra Kimat Nirdharan ani Vittiya Babi" (in Marathi), *Artha Samvad*, Vol. 21, No. 2, July-September, pp. 182-202.

Narayanamoorthy, A (1997), "Environmental Concern and Drip Irrigation Technology: A Study Based on Experimental and Field Level Data", (Abstract), *Indian Journal of Agricultural Economics*, Vol. 52, No.3, July-September, pp. 535-536.

Narayanamoorthy, A (1997), "Crop Diversification and Yield Response to Fertilisers", *Productivity*, Vol. 38, No.1, April-June, pp. 118-126.

Narayanamoorthy, A (1996), "Adoption of Recommended Use of Fertilisers and Its impact on Paddy Yield: An Analysis of Determinants in Groundwater Irrigated Regions", *Artha Vijnana*, Vol. 38, No. 4, December, pp. 387-406.

Narayanamoorthy, A (1996), "Drip Irrigation: A Discounted Cash Flow Analysis", *Anvesak*, Vol. 26, No. 2, July-December, pp. 63-76.

Narayanamoorthy, A (1996), "Impact of Drip Irrigation on Consumption of Water and Electricity", *The Asian Economic Review*, Vol. 38, No. 3, December, pp. 350-364.

Narayanamoorthy, A (1996), "Crop Diversification and Declining Response to Fertiliser: Will These Affect Foodgrains Production?", (Abstract), *Indian Journal of Agricultural Economics*, Vol. 51, No.4, October-December, pp. 690-691.

Narayanamoorthy, A (1996), "Bore-Well Water Market and Farmers' Participation – A Study of South India", *Energy Management*, Vol. 20, No. 3, July-September, pp. 23-30.

Narayanamoorthy, A (1995), "Status of Indian Irrigation", *Man & Development*, Vol. 17, No. 4, December, pp. 49-56.

Narayanamoorthy, A (1995), "Fertilisers Consumption After Decontrol: Myths and Realities", *Artha Vijnana*, Vol. 37, No. 4, December, pp. 359-379.

Narayanamoorthy, A (1995), "Factors Determining Pesticides Use: A Study of Bore-Well Irrigated Area", *Productivity*, Vol. 36, No.3, October-December, pp. 476-484.

Narayanamoorthy, A (1995), "Economic Reform – Fertilisers Decontrol and Its impact on Consumption" (Abstract), *Indian Journal of Agricultural Economics*, July-September, Vol. 50. No.3, pp. 539-540.

Narayanamoorthy, A (1995), "Is Urea Decontrol Needed?", *Mainstream*, Vol. 33, No. 17, March 18, pp. 23-24.

Narayanamoorthy, A (1995), "Bore-Well Water Management: Water Sellers versus Water Buyers", *Economic Affairs*, Vol. 40, No.1, January-March, pp. 33-40.

Narayanamoorthy, A (1994), "Fertiliser Decontrol and Beyond", *Southern Economist*, Vol. 33, No.1, October, pp. 3-5.

Narayanamoorthy, A and R. Venkataravi (1993), "Whither Living Standards?", *Social Welfare*, Vol. XL, No. 5, August, pp. 13-14 and 27.

Narayanamoorthy, A (1994), "Who Sells More and Who Sells Less in Deep Bore-Well Water Business in Pudukkottai District, Tamil Nadu: Some Empirical Analysis", *Journal of Indian Water Resources Society*, Vol. 14, No. 1-4, January-October, pp. 51-56.

Narayanamoorthy, A (1994), "Impact of Farmers Education, Age and Experience on Fertiliser Use and Yield", *Productivity*, Vol. 34, No. 4, January-March, pp. 710-714.

Narayanamoorthy, A (1992), "Impact of Tractors and Weedicides on Yield and Employment in Sugarcane Cultivation", *Journal of Rural Development*, Vol. 11, No. 3, May, pp. 351-362.

Narayanamoorthy, A (1991), "Deep Bore-Well Water Business in Pudukkottai District, Tamil Nadu: Some Empirical Analysis" (Abstract), *Indian Journal of Agricultural Economics*, Vol. 46, No. 3, July-September, pp. 380-381.

Narayanamoorthy, A (1990), "Case Study of a Successful Paddy Cultivator of Pudukkottai District, Tamil Nadu", *Indian Journal of Agricultural Economics*, Vol.45, No.3, July-September, pp. 374-378.

Narayanamoorthy, A and R. S. Deshpande, (1998), “Micro-Irrigation for Sustainable Agriculture”, *The Hindu*, Madras, January 8, p. 28.

Narayanamoorthy, A (2000), “Development Through Irrigation”, *One India One People*, Vol. 3, No. 11, June, pp. 16-18.

Narayanamoorthy, A (1998), “India’s Irrigation Development”, *Kisan World*, Vol. 25, No. 6, June, pp. 13-16.

Narayanamoorthy, A (1996), “Micro Irrigation”, *Kisan World*, Vol. 23, No.1, January, pp. 51-53.

Narayanamoorthy, A (1995), “Pricing of Irrigation Water: What Next?”, *Kisan World*, Vol. 22, No.1, January, pp. 24-26.

Narayanamoorthy, A (1994), “Should Farmers Pay Tariff for Irrigation Water”, *Dinamani* (in Tamil), October 19.

Narayanamoorthy, A (1994), “Farmers Role in Water Management”, *The Hindu*, Madras, July 12, p. 25.

Narayanamoorthy, A (1994), “Free Power Supply and Groundwater Management”, *Financial Express*, Madras, April 4, p. 7.

Narayanamoorthy, A (1994), “Groundwater Exploitation: An Alarming Signal”, *Kisan World*, Vol. 21, No. 3, March, pp. 35-37.

Books:

A. Narayanamoorthy and R. S. Deshpande (2005), *Where Water Seeps!?: Towards A New Phase in India’s Irrigation Reforms*, Academic Foundation, New Delhi.

K. V. Raju, A. Narayanamoorthy, and Govind Gopakumar (2004), *Water Resources: State of the Indian Farmer*, Academic Foundation, New Delhi.

Deshpande, R. S and A. Narayanamoorthy (2000), *An Appraisal of Watershed Development Programme Across Regions in India*, Gokhale Institute of Politics and Economics, Pune.

Mimeographs:

Narayanamoorthy, A and R. S. Deshpande (1997), *Economics of Drip Irrigation: A Comparative Study of Maharashtra and Tamil Nadu*, Mimeograph No. 47, Gokhale Institute of Politics and Economics, Pune, June.

Narayanamoorthy, A (1996), *Evaluation of Drip Irrigation System in Maharashtra*, Mimeograph No. 42, Gokhale Institute of Politics and Economics, Pune, March.

Projects Completed:

Narayanamoorthy, A and S. S. Kalamkar (2005), *Economics of Bt Cotton Cultivation in Maharashtra*, submitted to the National Bank for Agriculture and Rural Development (NABARD), Mumbai, May.

Narayanamoorthy, A. and S. S. Kalamkar (2004), *Maharashtra's Irrigation Sector*, completed for the Maharashtra Development Report, sponsored by the Planning Commission, Government of India, New Delhi.

Narayanamoorthy, A and S. S. Kalamkar (2004), *Agricultural Policy in Maharashtra: A Policy Matrix*, submitted to the Ministry of Agriculture, Government of India, New Delhi, May.

Narayanamoorthy, A and S. S. Kalamkar (2003), *Agricultural Input Subsidies in Maharashtra: Quantum of Subsidies to SC/ST Farmers*, submitted to the Ministry of Agriculture, Government of India, New Delhi, September.

Narayanamoorthy, A and M. Madhusudan Bhattarai (2002), *India Irrigation Impact Study: An Aggregate Level Analysis*, Consultancy Study, sponsored by the International Water Management Institute (IWMI), Colombo.

Narayanamoorthy, A (2001), *Impact of Drip Irrigation on Sugarcane Cultivation in Maharashtra*, submitted to the Ministry of Agriculture, Government of India, New Delhi, September.

Narayanamoorthy, A and K. G. Kshirsagar (2000), *Rapid Impact Evaluation of NWDPR in Maharashtra*, submitted to the Ministry of Agriculture, Government of India, New Delhi, July.

Narayanamoorthy, A (1999), *Evaluation of Management of Seed Supply in Oilseeds and Pulses in Maharashtra*, submitted to the Ministry of Agriculture, Government of India, New Delhi, July.

Deshpande, R. S and Narayanamoorthy, A (1999), *Impact of National Watershed Development Project for Rainfed Areas (NWDPR): An Analysis Across States*, submitted to the Ministry of Agriculture, Government of India, New Delhi, February.

Narayanamoorthy, A. (1998), *Economics of Pulses Production and Identification of Constraints in Raising Their Production in Maharashtra*, submitted to the Ministry of Agriculture, Government of India, New Delhi.

Narayanamoorthy, A. and R.S. Deshpande (1997), *Economics of Drip Irrigation: A Comparative Study of Maharashtra and Tamil Nadu*, submitted to the Ministry of Agriculture, Government of India, New Delhi, June.

Narayanamoorthy, A (1997), *Electricity Use in Indian Agriculture: Trends and Determinants*, submitted to the Gokhale Institute of Politics and Economics, Pune, October.

Narayanamoorthy, A, (1996), *Evaluation of Drip Irrigation System in Maharashtra*, submitted to the Ministry of Agriculture, Government of India, New Delhi, March.

Narayanamoorthy, A.; N. Rajasekaran and Deepak Shah (1995), *Evaluation of the Implementation of the Central Sector Scheme on Promotion of Agricultural Mechanisation in Maharashtra*, submitted to the Ministry of Agriculture, Government of India, New Delhi, February.

Book Reviews:

A review of Gopal Naik, J. D. Brewer, M. Samad and R. Sakthivadivel, *Assessing the Impact of Irrigation Management Transfer: Case Studies from Maharashtra*, *Indian Journal of Agricultural Economics*, Vol. 59, No. 2, April-June, 2004, pp. 284-287.

A review of K. Palanisami and K.W. Easter, *Tank Irrigation in the 21st Century: What Next?*, *Indian Journal of Agricultural Economics*, Vol. 58, No. 1, January-March, 2003, pp. 175-179.

A review of Peter P. Mollinga (ed.), *Water for Food and Rural Development: Approaches and Initiatives*, *Indian Journal of Agricultural Economics*, Vol. 56, No. 4, October-December, 2001, pp. 740-743.

A Review of K.N. Pandey, "Adoption of Agricultural Innovations: A Study of Small and Marginal Farmers of Varanasi (U.P.)", *Review Projector (India)*, March, 1991.

A Review of Grudev Singh; S.R. Asokan; V.N. Asopa, "Seed Industry in India: A Management Perspective", *The Book Review*, July-August, 1991.

A Review of Satadal Dasgupta, "Diffusion of Agricultural Innovations in Village India", *Southern Economist*, Vol. 29, No.24, April,1991.

A Review of Venkatesh B. Athreya; Goran Djrfieldt and Staffan Lindberg, "Barriers Broken: Production Relations and Agrarian Change in Tamil Nadu", *Social Scientist*, Vol. 18, Nos. 8-9, August-September, 1990.

Papers Presented in Seminars and Conferences:

International Conference Papers:

Presented the Discussant Report on the paper, "Water Sector Reforms for Catalysing the MDGs: Towards an Evaluation Framework", at the 6th Global Development Network Conference on *Developing and Developed Worlds: Mutual Impact*, held at Dakar, Senegal, during January 24-26, 2005.

A paper, "Contribution of Factor Inputs to Agricultural Productivity, Rural Development and Poverty Reduction in India: A Cross-States Panel-data Analysis from 1970-1994", was presented (poster presentation) at the world Congress on Agricultural Economics, organised by the International Association of Agricultural Economics, held at Durban, South Africa, during August 16-22, 2003 (with Madhusudan Bhattarai).

“Groundwater Irrigation and Rural Poverty Nexus: An Analysis Across States in India” was presented at the Second South Asia Water Forum, held at Islamabad, Pakistan, during December 14-16, 2002.

“Policies for Access, Equity and Equality: Physical Resources and Human Resources”, was presented (with R.S. Deshpande) at the 2nd International Conference on Sustainable Agriculture, Water Resources Development and Earth Care Policies, held at Bhoovigyan Vikas Foundation, New Delhi, during December 18-20, December, 2002.

“Economic Evaluation of Drip Irrigation: A Study of Maharashtra”, paper presented at the International Conference on Micro and Sprinkler Irrigation Systems, Jain Irrigation Systems Limited, Jalgaon, Maharashtra, February 8-10, 2000.

“Drip Irrigation: A Viable Technology for Saving Water and Electricity”, presented at the International Conference on Micro and Sprinkler Irrigation Systems, Jain Irrigation Systems Limited, Jalgaon, Maharashtra, February 8-10, 2000.

“Efficient Water Management Through Drip Irrigation: Some Evidences from Western India”, paper accepted for presentation at the 10th Afro-Asian Regional Conference of the International Commission on Irrigation and Drainage, Bali, Indonesia, July 21-22, 1998.

“Electric Pumpset and Groundwater Management: Macro and Micro Evidence”, paper presented at the International Conference on the Political Economy of Water in South Asia: Urban and Rural Action and Interactions, Madras Institute of Development Studies, Madras, January 5-8, 1995.

National Seminars/Conference/Workshop Papers:

A paper, *“Do Impact Parameters of Watershed Projects Implemented under Different Institutional Structures Change?: An Analytical Review”*, was presented at the 64th Annual Conference of the Indian Society of Agricultural Economics, organised by the Tamil Nadu Agricultural University, Coimbatore, Tamil Nadu, during December 15-17, 2004 (with K. G. Sreeja).

A paper, *“Sustainable Cultivation of Sugarcane through Drip Method of Irrigation: Lessons from a Field Study”*, was presented at a Seminar on WWF-India’s Sugar Initiative, organised by the World Wide Fund for Nature – India at WALMI, Aurangabad, Maharashtra, during February 23-25, 2004.

A paper, *“Who Benefits from Irrigation Development in India?: Implications for Cost Recovery and Irrigation Financing”*, was presented at the IWMI-TATA Annual Partners Meet: 2004, organised by the International Water Management Institute, held at the Institute of Rural Management Anand (IRMA), Gujarat, during February 17-19, 2004 (with Madhusudan Bhattarai).

A paper, *“Dynamics of Irrigation Impacts on Rural Poverty in India”*, was presented at the IWMI-TATA Annual Partners Meet: 2004, organised by the International Water Management Institute, held at the Institute of Rural Management Anand (IRMA), Gujarat, during February 17-19, 2004 (with Madhusudan Bhattarai).

A paper, “*Can Irrigation Increase Agricultural Wages?: An Analysis Across Indian Districts*”, was presented at the IWMI-TATA Annual Partners Meet: 2004, organised by the International Water Management Institute, held at the Institute of Rural Management Anand (IRMA), Gujarat, during February 17-19, 2004 (with Madhusudan Bhattarai).

A paper, “*Who Bells the Cat: Strategic Issues that the Task Force Needs to Address*”, was presented at the IWMI-TATA Annual Partners Meet: 2004, organised by the International Water Management Institute, held at the Institute of Rural Management Anand (IRMA), Gujarat, during February 17-19, 2004.

Acted as a Panelist for the session on *Mass Promotion of Micro-Irrigation: What, Why and How?* at the IWMI-TATA Annual Partners Meet 2004, organised by the International Water Management Institute, held at the Institute of Rural Management Anand (IRMA), Gujarat, during February 17-19, 2004.

A chapter on “*Irrigation*”, prepared for the Maharashtra Development Report, was presented at the final Workshop on Maharashtra Development Report, held at Indira Gandhi Institute for Development Research, Mumbai, during February 12-13, 2004 (with S. S. Kalamkar).

A paper, “*Averting Water Crisis by Drip Method of Irrigation: A Study of Two Water-Intensive Crops*”, was presented at the 63rd Annual Conference of the Indian Society of Agricultural Economics, organised by the Orissa University of Agriculture and Technology, Bhubaneswar, Orissa, during December 19-21, 2003.

A paper, “*Impact of Liberalisation on Domestic Agricultural Prices and Farm Income: An Analysis Across States and Crops*”, was presented at the 63rd Annual Conference of the Indian Society of Agricultural Economics, organised by the Orissa University of Agriculture and Technology, Bhubaneswar, Orissa, during December 19-21, 2003 (with S. S. Kalamkar).

A paper, “*Linkages between Irrigation and Rural Non-Farm Employment: A Disaggregate Level Analysis based on Census Data*”, was presented at the Foundation Day Seminar on Rural Employment with Focus on Non-Farm Sector, organised by the National Institute of Rural Development (NIRD), Hyderabad, during December 6-7, 2003.

A paper, “*Economic Reforms and Agricultural Prices in India*”, was presented at a Seminar on Agricultural Economics and Rural Development, organised by Padmashri Vikhe Patil College of Arts, Science and Commerce, Pravaranagar, Ahmednagar, Maharashtra, on February 9, 2004 (with S. S. Kalamkar).

Acted as a discussant for the paper on “*Valuing Groundwater for Irrigation in Hard Rock Areas of Karnataka*”, by M.G. Chandrakanth, et al., at the National Seminar on Water, organised by the Centre for Economic and Social Studies, Hyderabad, during July 30-31, 2003.

“*Economics of Drip Irrigation in Sugarcane Cultivation: An Empirical Analysis*”, was presented at the National Seminar on Water, organised by the Centre for Economic and Social Studies, Hyderabad, during July 30-31, 2003.

A final report of the study, *“Water Resources Development in India: Does it Help the Farmer?”*, was presented (with K. V. Raju) at the Review Seminar on “State of Indian Farmers: A Millennium Study”, sponsored by the Ministry of Agriculture, Government of India, held at the Institute of Economic Growth, Delhi, during February 4-5, 2003.

“Irrigation Impact on Agricultural Growth and Poverty Alleviation: Macro Level Impact Analyses in India”, was presented (with M. Bhattarai) at the IWMI-TATA Annual Meet, International Water Management Institute (IWMI), Vallabh Vidyanagar, Gujarat, during January 27-29, 2003.

“Irrigation Impact and Factors Contributing to the Agricultural Productivity Growth in India: A Cross-state Panel Analysis for 1970 to 1994”, was presented (with M. Bhattarai) at the IWMI-TATA Annual Meet, International Water Management Institute (IWMI), Vallabh Vidyanagar, Gujarat, during January 27-29, 2003

“An Overview of Micro Irrigation in India”, was presented at the IWMI-TATA Annual Meet, International Water Management Institute (IWMI), Vallabh Vidyanagar, Gujarat, during January 27-29, 2003.

A draft chapter on *“Irrigation”* prepared for the Maharashtra Development Report was presented (with S. S. Kalamkar) at the Interim Workshop on Maharashtra Development Report held at Indira Gandhi Institute of Development Research, Mumbai, on March 7, 2003.

“Evaluation of Seed Use in Pulses and Oilseeds in Maharashtra: An Empirical Analysis”, was presented at the 62nd Annual Conference of the Indian Society of Agricultural Economics, held at Indian Agricultural Research Institute, New Delhi, December 19-21, 2002.

“Drip Irrigation in India: Potential and Prospects” was presented at the Maharashtra Sinchan Parishad:2003, held at Mahatma Pule Krishi Vidyapeeth, Rahuri, during January 10-11, 2003.

“Impact Assessment of Drip Irrigation in Maharashtra: A Case of Sugarcane”, presented at the Workshop on ‘Evaluation of Schemes of Micro Irrigation in the State and the Recommendations for Improvement in the Technology’, organised by Maharashtra Council for Agricultural Education and Research, held at Water and Land Management Institute, Aurangabad, Maharashtra, during July 30-31, 2002.

“Irrigation Development and Agricultural Wages: An Analysis Across States” presented at the “Convention on Development” jointly organised by five ICSSR Institutes located in South India, held at Madras Institute of Development Studies, Madras, during November 16-18, 2001.

“Irrigation, Agrarian Relations and Agricultural Labourers: A State-wise Analysis”, was presented at the 43rd Annual Conference of the Indian Society of Labour Economics, held at Institute for Social and Economic Change, Bangalore, during December 18-20, 2001.

“Agricultural Wages and Employment During Post-Reforms Period: Statewise and Cropwise Evidence”, was presented at the 61st Annual Conference of the Indian Society of Agricultural Economics, held at Gulbarga University, Gulbarga, Karnataka December 27-29, 2001.

A draft report of the study, *“Water Resources Development in India: Does it Help the Farmer?”*, presented at the Review Seminar on “State of Indian Farmers: A Millennium Study”, sponsored by the Ministry of Agriculture, Government of India, New Delhi, held at the Institute for Social and Economic Change, Bangalore, during January 30-31, 2002.

“Drip Irrigation: An Effective Technology for Sustainable Water Use”, paper presented at Professor D. R. Gadgil Birth Centenary Year National Seminar on Rural Economy of India: Status, Prospects and Policies, Gokhale Institute of Politics and Economics, Pune, April 8-9, 2001.

“Indebtedness of the Scheduled Castes Agricultural Labour Households: A State-wise Analysis”, paper presented at the national level workshop on Economic Development of the Scheduled Castes, with Special Reference to Agricultural Landless Labourers, Gokhale Institute of Politics and Economics, Pune, March 16-17, 2001.

“Agrarian Changes, Market Participation and Indebtedness of Scheduled Castes Landless Agricultural Labourers”, paper presented (with R. S. Deshpande and Amalendu Jyotishi) at the national level workshop on Economic Development of the Scheduled Castes, with Special Reference to Agricultural Landless Labourers, Gokhale Institute of Politics and Economics, Pune, March 16-17, 2001.

“Rural Poverty and Irrigation: Pointers for the Next Millennium”, paper presented (with R.S. Deshpande) at the Foundation Day Seminar on Rural Prosperity and Agriculture: Policies for the Next Millennium, National Institute of Rural Development, Hyderabad, November 4-5, 1999.

“Sustainable Agricultural Development and Micro-Irrigation”, paper presented at the First Biennial Conference of the Indian Society of Ecological Economics, Institute for Social and Economic Change, Bangalore, December 20-22, 1999.

“The Subsidies Debate: Masked Issues and Muddles of Methodology”, paper presented (with R.S. Deshpande) at a U.G.C. National Seminar on Issues in Phasing Out Subsidies, PSG College of Arts and Science, Coimbatore, Tamil Nadu, November 20-21, 1998.

“Pricing and Financial Issues of Maharashtra’s Irrigation Sector”, paper presented (with R.S. Deshpande) at the workshop on Economic Problems of Water, jointly organized by the Second Irrigation Commission, Government of Maharashtra and Marathi Economic Association, Sangli, Maharashtra, May 14-15, 1997.

“Issues Before the Second Irrigation Commission of Maharashtra: A Note” submitted to the Second Irrigation Commission, Government of Maharashtra, March, 1997 (with R.S. Deshpande).

“A Review of Rural Development Strategies: Staggered Path and Distant Goals”, paper presented (with R.S. Deshpande) at the Seminar on Strategies for Rural Development in the

Ninth Five Year Plan, National Institute of Rural Development, Hyderabad, February 21-22, 1997.

“Drip Irrigation: A Viable Option for Future Irrigation Development”, paper presented at the Seminar on Strategies for Rural Development in the Ninth Five Year Plan, National Institute of Rural Development, Hyderabad, February 21-22, 1997.

“Electricity Tariff Policies and Groundwater Management”, paper presented at the National Seminar on Water Management and Watershed Technology, Gokhale Institute of Politics and Economics, Pune, March, 24-25, 1995.

“Bore-well Water Management: Water Sellers versus Water Buyers”, paper presented at the Seminar on Irrigation Water Management in Future, Irrigation Management Training Institute of Tamil Nadu, Tiruchirapalli, January, 27-28, 1994.

“Water Market: A Fissure in Farmers’ Participation”, paper presented at the National Seminar on Farmers Participation, Irrigation Management Training Institute of Tamil Nadu, Tiruchirapalli, January 2-4, 1994.

“Agricultural Development in Trichy District During the Eighties: A Comparative Analysis with Tamil Nadu”, paper presented at District Development Seminar Series, Department of Economics, Bharathidasan University, Tiruchirapalli, Tamil Nadu, September 6-7, 1993.

“Impact of Tube-well Irrigation on Operation and Maintenance of Tank in Pudukkottai”, paper presented at the Seminar on Farmers’ Participation in Managing Irrigation System, Irrigation Management Training Institute of Tamil Nadu, Tiruchirapalli, December 23-24, 1991.

“Socio-Economic Aspects of Rainfed Tank and Canal Irrigated Villages in Pudukkottai and Thanjavur”, paper presented (with S. Iyyampillai) at the National Seminar on Issues in Tank Irrigation, Irrigation Management Training Institute of Tamil Nadu, February 19-21, 1991.

“Some Aspects of Diffusion and Impact of New Technology in Agriculture”, paper presented at the Seminar on Social Aspects of Rural Development, School of Social Sciences, Bharathidasan University, Tiruchirapalli, Tamil Nadu, March 20-21, 1990.

Employment History:

• Since June 27, 2005 to till date	Professor and Director, Centre for Rural Development, Alagappa University, Karaikudi, Tamil Nadu, India.
• Since December 27, 2000 to June 23, 2005	Reader, Gokhale Institute of Politics and Economics, Pune, Maharashtra, India.
• July 17, 1998 to December 26, 2000	Lecturer, Gokhale Institute of Politics and Economics, Pune, Maharashtra, India.
• November 14, 1994 to July 16, 1998	Research Associate, Gokhale Institute of Politics and Economics, Pune, Maharashtra, India.
• September 21, 1993 to November 10, 1994,	Project Associate, Madras Institute of Development Studies, Madras, Tamil Nadu, India.

Travel Abroad:

Countries (place) visited	Duration of visit	Purpose of visit
1. Sri Lanka (Colombo)	17-26, February, 2002	To finalise a Research Study with the International Institute of Water Management.
2. Pakistan (Islamabad)	12-17, December, 2002	To present a paper at the South Asia Water Forum-II.
3. Senegal (Dakar)	22-27, January, 2005	To act as a discussant at the 6 th Global Development Network Conference.

Member in Academic Associations:

- Life Member, The Indian Society of Agricultural Economics, 46-48 Esplanade Mansions, Mahatma Gandhi Road, Fort, Bombay – 400 001.
- Life Member, The Indian Society of Labour Economics, IAMR Building, I.P. Estate, M.G. Road, New Delhi – 110 002.
- Member, Indian Society of Ecological Economics, Institute of Economic Growth, University Enclave, Delhi – 100 007.

Academic References:

Prof. R. S. Deshpande, Head, ADRT Unit, Institute for Social and Economic Change, Nagarabhavi, Bangalore – 560 072. *E-mail:* deshpande@isec.ac.in

Prof. R. Maria Saleth, International Water Management Institute, P.O. Box: 2075, 127, Sunil Mawatha, Pelawatta, Battaramulla, Colombo, Sri Lanka, *E-mail:* r.saleth@cgiar.org

Prof. K. Palanisami, Director, Water Technology Centre, Tamil Nadu Agricultural University, Coimbatore – 641 003, Tamil Nadu.

I, A. Narayanamoorthy, hereby declare that the above-mentioned details are true to the best of my knowledge and belief.

Yours faithfully

A. Narayanamoorthy