

# H.DIWAKARA

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PHD STUDENT, MEMBER, CENTRE FOR  
COMPARATIVE WATER POLICIES AND LAWS,  
SCHOOL OF COMMERCE, UNIVERSITY OF SOUTH  
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Nationality: Indian  
Date of Birth: 18<sup>th</sup> July 1976

## EDUCATION

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- 2002– Pursuing PhD at the School of International Business, University of South Australia, Adelaide, Australia
- 2000 Master of Science in Agricultural Economics, University of Agricultural Sciences, Bangalore, India (Grade Point Average 8.27 ⇒ 82.7%)
- 1998 Bachelor of Science in Agricultural Marketing and Cooperation, University of Agricultural Sciences, Dharwad, India (Grade Point Average 8.49 ⇒ 84.9%)

## AREAS OF RESEARCH INTEREST

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- I. Agricultural and Natural Resource Economics (NRE)
- II. New Institutional Economics (NIE)
- III. Groundwater Law & Policies
- IV. Groundwater Markets
- V. Common Property Resources (CPRs)
- VI. Institutional Analysis of Groundwater Management
- VII. Social Capital

## FELLOWSHIP(S)/SCHOLARSHIP(S)

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- 2005– Cooperative Research Centre for Irrigation Futures Postgraduate Scholarship (1 year)
- 2002– University of South Australia President's Scholarship to pursue PhD by Research at the School of International Business, University of South Australia, Adelaide, Australia.
- 2002– School of International Business, Scholarship (stipend)

1999–2000 Junior Research Fellowship, Ford Foundation (New Delhi), Funded Research Project on "Dynamics of Access to Water Resource in Karnataka" during Master's degree, at the Department of Agricultural Economics, University of Agricultural Sciences, GKVK, Bangalore, India.

### **TEACHING EXPERIENCE**

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1. "Forecasting and Business Analysis" (ECON 2007), Internal Semester 1, 2005 at the School of Commerce, University of South Australia (Tutorials).
2. "Forecasting and Business Analysis" (ECON 2007), Internal Semester 2, 2004 at the School of International Business, University of South Australia (Lectures and Tutorials).
3. "Forecasting and Business Analysis" (ECON 2007), Internal Semester 1, 2004 at the School of International Business, University of South Australia (Lectures and Tutorials).
4. "Forecasting and Business Analysis" (ECON 2007), Internal Semester 2, 2003 at the School of International Business, University of South Australia (Tutorials and ad-hoc lectures).
5. "Forecasting and Business Analysis" (ECON 2007), Internal Semester 1, 2003 School of International Business, University of South Australia (Tutorials).
6. "Economic Environment" [Micro & Macro (Econ 10702)], Internal Semester 1, 2003 at the School of International Business, University of South Australia (Tutorials).
7. "Tourism and Hospitality Research and Analysis" at the School of International Business, University of South Australia in Semester 2 2002 (ad-hoc Tutorials).
8. "Project Evaluation Techniques" for the 4th Year Undergraduate students in the Department of Dairy Economics and Business Management during 8<sup>th</sup> semester of 2002–2003 University of Agricultural Sciences, Bangalore, India. (ad-hoc Tutorials).
9. "Fundamentals of Economics" [Micro, Econ.101], for the 1st year undergraduate students during 1st semester of 2001–2002 at the Agricultural College, Mandya Campus, VC Farm, University of Agricultural Sciences, Bangalore, India (Lectures and Tutorials).

### **INTERNATIONAL TEACHING EXPERIENCE**

1. "Economic Principles" ECON 1006 for the Undergraduate students in Hong Kong at Hong Kong University in May 2005.

## RESEARCH WORK EXPERIENCE

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- 1. Research Associate:** From January 2nd 2002–June 28 2002, in the research project entitled “*Capital Requirement for Modernization of Dairy Farming in Karnataka: Its Economic Implications and Prospects for Global Competitiveness*” sponsored by the Indian Council of Agricultural Research (ICAR), New Delhi, India. Department of Dairy Economics and Business Management, University of Agricultural Sciences, Hebbal Campus, Bangalore, P.O.Box 560 024, India.
- 2. Research Associate:** From December 2000 – July 2001, in the research project entitled “*Designing Methodologies for Evaluation of Economic and Environmental Implications of Groundwater Depletion and Quality Degradation Effects in Peninsular India*” sponsored by the Indira Gandhi Institute of Development Research (IGIDR), Mumbai, India. Department of Agricultural Economics, Agriculture College, V.C. Farm, Mandya, University of Agricultural Sciences, Bangalore, P.O. Box 560 065, India.
- 3. Junior Research Fellow:** From November 1999 – November 2000, in the research project entitled “*Dynamics of Access to Water Resources in Karnataka*” sponsored by the Ford Foundation, New Delhi, India, Department of Agricultural Economics, University of Agricultural Sciences, Bangalore, P.O. Box 560 065, India.

## PUBLICATIONS

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### REFEREED

- H.Diwakara and Jennifer McKay (2005), “Farmer Managed Well Organizations in Northern Gujarat, India – The Social Characteristics Leading to Formation”, World Development (under review).
- H.Diwakara and M.G. Chandrakanth (2004), “Beating Negative Externality through Groundwater Recharge in India: A Resource Economic Analysis”, Environment and Development Economics (under review).
- H.Diwakara (2005), “Water Markets in India: Economic and Institutional Aspects”, in Jay H. Lehr (ed.) Encyclopedia of Water, John Wiley & Sons, USA (forthcoming).
- H.Diwakara and Jennifer McKay (2005), “Case Studies of (Semi) Self-Governing Institutions Regulating Groundwater in India and Australia – Partnerships to Achieve Sustainable Allocation Processes”. USGS Scientific Report, USGS Fort Collins, Colorado, USA (forthcoming).
- H. Diwakara and N.Nagaraj (2003), “Negative Impacts of Emerging Informal Groundwater Markets in Peninsular India: Reduced Local

Food Security and Unemployment”, Journal of Social and Economic Development 5(1): 90–105, January–June 2003.

6. H.Diwakara and McKay, Jennifer (2003), “Groundwater Conflicts: How WAMPS Can Help”, Water, Journal of Australian Water Association 30(8): 23–26.
7. H.Diwakara (2003), “Impact of Watershed Treatments on Farm Economy through Groundwater Recharge: A Resource Economic Study in Peninsular India”, Indian Journal of Agricultural Economics, Conference Number (July–September 2003) – Only Summary.

#### **NON-REFEREED**

1. H.Diwakara and N.Nagaraj (2002), “Impact of Water Pollution on Food Security and Environment: Bearing the Brunt – Case Study in Bangalore Peri-Urban Area”, Quarterly, Waste Lands News, Vol. XVIII No.1, pp. 31–34, August–October 2002.
2. H.Diwakara, Rajashekarappa and K.Doddaiah (2001), “Rainwater Harvesting and Sustainable Agriculture through Groundwater Recharge – Empirical Evidences in India”, Quarterly, Waste Lands News, Vol. XVI, No. 4, pp. 21–25, Nov 2000–January 2001.
3. H.Diwakara and M.T. Rajashekarappa (2001), “Sustainable Development – A Vision for the Millennium”, Quarterly, Waste Lands News, Vol. XVI No.2, pp. 16–18, May–July 2001.
4. H.Diwakara (2000), “Avenues for Research Opportunities in Natural Resource Economics”, in TREE NEWS, a quarterly Newsletter published by the Team of Excellence in Natural Resource Economics, Department of Agricultural Economics, UAS, Bangalore, India.

#### **MONOGRAPHS**

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1. M.G. Chandrakanth and H.Diwakara (2000), “Synergistic Effects of Watershed Treatments on Farm Economy through Groundwater Recharge – A Resource Economic Analysis” submitted to the Ford Foundation, New Delhi, India.
2. Karamathullah, Lalith Achoth, Sachindra Babu, Bhat, Kailas, Harishilpa, Madhusudhan Rao.B.V., Keshava Rao. G.R, Ramesh Reddy.B, H. Diwakara, Ashalatha T.J, and Babu Reddy, D.R (2003), “Capital Requirement for Modernization of Dairy Farming in Karnataka: Its Economic Implications and Prospects for Globalization”, submitted to the Indian Council of Agricultural Research, New Delhi, 110 001, India.

#### **WORKING PAPERS**

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1. McKay, Jennifer and H. Diwakara (2003), “Estimating the Willingness to Pay for Supply of Water for Irrigation in Mt.Larcom, Queensland: The Contingent Valuation Method Approach”, Working Paper Series No. 3, ISBN 0 86803 9918, Water Policy and Law Group, School of International Business, University of South Australia.

## **BOOKS REVIEWED**

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1. Water Follies: Groundwater Pumping and the Fate of America’s Fresh Waters, by Robert Glennon. Washington, D.C: Island Press, 2002, 304 pages for Water International, Vol. 29, No. 2 pp. 266–267, June 2004.

## **REFEREED PAPERS AT THE INTERNATIONAL CONFERENCE**

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1. H.Diwakara and McKay, Jennifer (2004), “Self-governed Institutions as a Complement to Regulation of Common Pool Resources Achieving Sustainable Allocation Process”. (Paper presented at the Institutional Analysis for Environmental Decision-Making: A Workshop held in January 28–29, 2005 at Fort Collins Science Centre, Colorado, CO USA).
2. H.Diwakara, McKay, Jennifer and Barnett, Steve (2003), “Cost-Sharing as a Tool in a Sustainable Groundwater Management Policy – Some International Experiences”, oral presentation at the XI World Water Congress, **Madrid, Spain** from 5–9 October 2003 (Abstract in the proceedings).
3. McKay, Jennifer and H.Diwakara (2003), “New Directions and National Leadership in Developing Water Policies in Federations-India and Australia”, oral presentation at the XI World Water Congress, **Madrid, Spain** from 5–9 October 2003 (Abstract in the proceedings).
4. H.Diwakara and M.G. Chandrakanth, (2003), “Impact of Watershed Treatments on Farm Economy through Groundwater Recharge – A Resource Economic Analysis in Peninsular India”, poster presentation at the XI World Water Congress, **Madrid, Spain** from 5–9 October 2003 (Poster).
5. H.Diwakara and N. Nagaraj (2001), “Economic and Ecological Implications of Groundwater Transfer from Rural to Urban Areas and Its Impact on Food Security: A Study in Peninsular India” presented, at 11th Stockholm Water Symposium, **Stockholm** during 13th – 16th August 2001, **Sweden** (Abstract in the proceedings).
6. H.Diwakara (2000), “Watershed Development and Sustainable Agriculture through Groundwater Recharge – A Resource Economic Analysis”, in the International Research Symposium on Sustainable Agricultural Development held at **Bangalore**, March 27, 2000, **India** (Abstract in the proceedings).

## **PARTICIPATION**

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- 1) Rivers and Aquifer: Towards Conjunctive Water Management, Workshop, Adelaide, 6–7 May 2004.
- 2) International Symposium on Artificial Recharge-4, Adelaide, South Australia. 2002.
- 3) Trained in “Participatory Rural Appraisal” (PRA) technique on watershed management organized by MYRADA (Mysore Rehabilitation and Development Agency) at Kadari, an NGO, Andhra Pradesh, India during 7–9 January 2000.
- 4) Participated in the “II Biennial conference of Indian Society for Ecological Economics” at Institute for Social and Economic Change, Bangalore, India in 1999.
- 5) Participated in Colloquium on “Sustainability from an Environmental Regulators Perspective” by Dr. Paul Vogel, Chairman, EPA, South Australia organized by Institute for Sustainable Systems and Technologies Initiatives, University of South Australia at City East Campus, 23rd November 2005.

## **CONSULTATION**

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1. Consultant to Mt. Larcom Community Restoration Project, Mt. Larcom Queensland, Australia, 2003.

## **SEMINARS**

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Department of Agricultural Economics, University of Agricultural Sciences, Bangalore, India during 1999

1. H. Diwakara (1999), “Strategies for Groundwater Recharge – Some Empirical Evidences in India”.
2. H. Diwakara (1999), “Food Security and Access to Natural Resources – An Overview”.

At the 2nd Postgraduate Research Colloquium, Division of Business and Enterprise, University of South Australia during 2003.

1. H. Diwakara (2003), “Mining and Agricultural Groundwater Use Conflicts in Mt. Larcom, Queensland: Proposing Institutional Mechanisms to Resolve Conflicts”.

## **PROFESSIONAL ACTIVITIES**

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1. Member, Centre for Comparative Water Policies and Laws, School of Commerce, University of South Australia, Australia Jun 2002–.
2. Member, Network for Sustainable Terrestrial, Aquifer and Riverine Systems (STARS). Funded by Australian Research Council, Australian Government, Canberra.
3. Member, Groundwater Foundation, Nebraska, USA, Year 2000.

## REFEREES

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**Professor JENNIFER  
McKay**

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Comparative Water Policies  
and Laws, Division of  
Business, School of  
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