

# Chatura B. Ariyaratne

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## EDUCATION

- 2001 Ph.D. Economics, Kansas State University, USA  
Primary areas: Production, environmental and natural resource economics.
- 1997 M.Sc. Agricultural Economics, Kansas State University, USA  
Primary area: Agricultural finance /agricultural cooperatives.
- 1992 B.Sc. Agriculture (Honors) University of Peradeniya, Sri Lanka  
Specialized in Agricultural Economics.

## EXPERIENCE

- 2008 – present Research Assistant Professor, Department of Agricultural Economics,  
Kansas State University, Manhattan, Kansas
- 2007 Agricultural and Natural Resource Economist, Consultant  
Institute for International Development
- 2006 Agricultural and Natural Resource Economist,  
EconSearch Private Ltd., South Australia
- 2005 Environmental Economist,  
Policy and Economic Research Unit, CSIRO, Australia
- 2003-2004 Senior Research/Teaching Fellow, Postgraduate Institute of Agriculture,  
University of Peradeniya, Sri Lanka
- 1995-2001 Research/Teaching/Extension Assistant,  
Department of Agricultural Economics, Kansas State University
- 1994-1995 Research Assistant,  
Department of Entomology, Kansas State University
- 1994 Research Assistant,  
Department of Agronomy, Kansas State University
- 1992-1994 Research Assistant,  
Post Graduate Institute of Agriculture, Sri Lanka
- 1992 In charge (socio-economic survey group),  
Environmental Consultants Inc., Colombo, Sri Lanka

- 1989 Intern (prawn hatchery and algae lab supervisor),  
Lever Brothers Ceylon Ltd., Aquaculture Project
- 1987 Intern (poultry breeding and hatchery management),  
Marist Brothers' Farm

## JOURNAL ARTICLES

- Ariyaratne, C.B., A. M. Featherstone, and M.R. Langemeier. "What Determines Productivity Growth of Agricultural Cooperatives?" *Journal of Agricultural and Applied Economics* 38(April 2006)1:47-59.
- Ariyaratne, C.B., A.M. Featherstone, M.R. Langemeier, and D.G. Barton. "Measuring X-Efficiency and Scale Efficiency for a Sample of Agricultural Cooperatives." *Agricultural and Resource Economics Review* 29(October 2000)2:198.
- Ariyaratne, C.B., B.C. Briggeman, and C. Mickelsen. "Structural Changes in Farmer Cooperatives." Selected paper presented at *Agricultural and Applied Economics Association's Annual Meetings*, Minneapolis, MN, July 27-29, 2014.
- Ariyaratne, C.B., and A.M. Featherstone. "Impact of Government Payments, Depreciation and Inflation on Investment Behavior in American Agriculture Sector Using Sample of Kansas Farms." Selected paper presented at *Agricultural and Applied Economics Association Meetings*, Milwaukee, WI, July 27, 2009.
- Ariyaratne, C.B., L. Clark, and J. Morison. "Regional Economic Indicators: Southern Flinders Ranges Region." Report No. 0526 (June 2006)
- Walker, G., R. Doble, B. Bryan, C. Johnstone, C. Pettit, C.B. Ariyaratne, J. Connor, N. Crossman, R. Evans, , J. Fawcett, D. King, K. McEwan, W. McIntyre, J. McNeill, T. Mech, M. Miles, M. Stenson, and E. Wang. "Water for a Healthy Country: Lower Murray Landscape Futures." (2006)
- Doble, R., J. Conner, C.B. Ariyaratne, M. Miles, et al. "River Murray Corridor Systems Model." National Research Flagships, Water for a Healthy Country. Folio Number 2005/87988.
- Ariyaratne, C.B. "Three Studies in Production: Adoption of Variable Rate Technology, Impact of Energy Shocks on Farming Sector, and Measurement of Productivity Differences." PhD Dissertation, Department of Agricultural Economics, Manhattan, KS, May 2001.
- Darling, D.L., X. Yang, and C.B. Ariyaratne. "The Roll of the Prairie Band Casino Business in the Area Economy: Jackson and Shawnee Counties in 1999." *Kansas Business & Economic Review*, 24(Spring 2001)1:19-24.

- Ariyaratne, C.B. "An Analysis of Efficiency and Productivity of Midwestern Agricultural Cooperatives." MS Thesis, Department of Agricultural Economics, Manhattan, KS, May 1997.
- Darling, D.L., A. Stevens, and C.B. Ariyaratne. "Good News for Small Shops." *Florists' Review* 188(January 1997):156.
- Darling, D.L. and C.B. Ariyaratne. "County Trade Pull Factors, Fiscal Year 1996." *Kansas Business Review* 20(Spring 1997)3:34-37.
- Ariyaratne, C.B. and D.L. Darling. "County Trade Pull Factors, Fiscal Year 1995." *Kansas Business Review* 19(Spring 1996)3:34-36.
- Ariyaratne, C.B. and D.L. Darling. "County Retail Trade Activity and Changes from 1990 to 1994." *Kansas Business Review* 18(1995)3:24-29.
- Ariyaratne, C.B. "Alienation and Productivity at Work of Public Sector Officers." B.Sc. Thesis, Department of Agricultural Economics, University of Peradeniya, Sri-Lanka, December 1992.

#### **EXTENSION PUBLICATIONS**

- Darling, D.L., X. Yang, and C.B. Ariyaratne. "The Roll of the Prairie Band Casino Business in the Area Economy: Jackson and Shawnee Counties in 1999." *Community Development Study Report # 199*, Department of Agricultural Economics, Kansas State University, 2000.
- Ariyaratne, C.B. and D.L. Darling. "The 1998-99 Strength Index: A Measure of Economic Prosperity in Kansas Counties." *Community Development Study Report # 198*, Department of Agricultural Economics, Kansas State University, June 2000.
- Ariyaratne, C.B. and D.L. Darling. "County Trade Pull Factors: FY 1997." *Community Development Study Report # 177*, Department of Agricultural Economics, Kansas State University, 1997.
- Ariyaratne, C.B. and D.L. Darling. "FY 1995-96 Strength Index: A Measure of Economic Prosperity in Kansas Counties." *Community Development Study Report # 176*, Department of Agricultural Economics, Kansas State University, 1997.
- Ariyaratne, C.B. and D.L. Darling. "Socio-Economic Characteristics of City of Buhler, Kansas, 1997." *Community Development Study Report #170*, Department of Agricultural Economics, Kansas State University, 1997.

- Ariyaratne, C.B. and D.L. Darling. "FY 1994-95 Strength Index: A Measure of Economic Prosperity in Kansas Counties." *Community Development Study Report # 146*, Department of Agricultural Economics, Kansas State University, 1996.
- Ariyaratne, C.B. and D.L. Darling. "An Analysis of Monthly Retail Sales Tax Revenue Patterns in Jefferson County." *Community Development Study Report # 129*, Department of Agricultural Economics, Kansas State University, 1996.
- Ariyaratne, C.B. and D.L. Darling. "City Pull Factors for FY 1995 and the Strength of Retail Trade in Kansas Communities." *Community Development Study Report # 118*, Department of Agricultural Economics, Kansas State University, 1996.
- Ariyaratne, C.B. and D.L. Darling. "County Trade Pull Factors: FY 1995." *Community Development Study Report # 114*, Department of Agricultural Economics, Kansas State University, 1996.
- Ariyaratne, C.B. and D.L. Darling. "Retail Trade Potential: A Case Study for Hillsboro, Kansas." *Community Development Study Report # 110*, Department of Agricultural Economics, Kansas State University, 1996.
- Ariyaratne, C.B. and D.L. Darling. "County Personal Income Multipliers and Their Components for Kansas." *Community Development Study Report # 103*, Department of Agricultural Economics, Kansas State University, 1995.
- Ariyaratne, C.B. and D.L. Darling. "A Measure of Economic Prosperity in Kansas Counties." *Community Development Study Report # 100*, Department of Agricultural Economics, Kansas State University, 1995.
- Ariyaratne, C.B. and D.L. Darling. "Active/Passive Ratios of County Personal Income and Commuting Patterns across County Lines." *Community Development Study Report # 99*, Department of Agricultural Economics, Kansas State University, 1995.
- Ariyaratne, C.B. and D.L. Darling. "County Trade Pull Factors: FY 1994, Kansas." *Community Development Study Report # 91*, Department of Agricultural Economics, Kansas State University, 1995.

## **GRANTS**

The total Consultancy Fee of \$US 78,071: The Services are to provide a global market analysis for wheat, barley, rapeseed and sorghum 'Proposed Scope of Work for Grains Research Development Corporation Project, Australia – phase 1' dated 24 June 2014. Allen Featherstone, Gary Brester, Mykel Rae Taylor, Chatura B. Ariyaratne, and Daniel O'Brien.

The total research funds of \$US 5,000: CoBank Research Fellow proposal titled, "Risk, Profitability, and Efficiency in Agricultural Cooperatives under Allocated and Unallocated Equity," was selected to receive funding.

The total research funds of \$US 499,976: US Department of Agriculture (National Institute of Food and Agriculture) (AFRI Foundational) funded the research proposal titled, "Effects of Energy and Commodity Prices on Crop Patterns and the Ogallala Aquifer under Alternative Policy Scenarios" on January 2015 for 4 year period. Chatura Ariyaratne, Jeffrey Peterson, Nathan Hendricks, Brian Briggeman, Billy Golden, and Nicolas E. Quintana Ashwell.

## **PRESENTED PAPERS**

Ariyaratne, C.B. and V. Adikari. "An Extended Benefit-Cost Analysis of Ecological Capital Value and Comparison of Rubber and Oil Palm in Sri Lanka." 8<sup>th</sup> Biennial Conference of the International Society for Ecological Economics, Montreal, Canada, July 11-14, 2004.

Ariyaratne, C.B., J. Schmidt, A.M. Featherstone, and T.L. Kastens. "An Economic Analysis of Variable Rate Technology for Nitrogen on Corn Using Experimental Data." Northeastern Agricultural and Resource Economics Association, Selected Papers of the Annual Meetings, Harrisburg, PA, June 9-12, 2002.

Ariyaratne, C.B., A.M. Featherstone, and M.R. Langemeier. "What Determines Productivity Growth of Agricultural Cooperatives?" Northeastern Agricultural & Resource Economics Association, Selected Papers of the Annual Meetings, Harrisburg, PA, June 9-12, 2002.

Ariyaratne, C.B. and A.M. Featherstone. "The Energy Demand in the Kansas Agriculture Sector: Correcting Serial Correlation and Imposing Curvature." Northeastern Agricultural and Resource Economics Association, Selected Papers of the Meetings, Harrisburg, PA, June 9-12, 2002.

Ariyaratne, C.B., A.M. Featherstone, M.R. Langemeier, T.L. Kastens, and T.L. Marsh. "A Dynamic Swine Production Model Emphasizing Phosphorus Reducing Technologies." American Agricultural Economics Association, Posters of the Annual Meetings, Tampa, FL, July 30-Aug. 2, 2000.

Ariyaratne, C.B. and A.M. Featherstone. "Changing Factor Substitutions in the Kansas Agriculture under Different Policy Regimes." American Agricultural Economics Association, Posters of the Annual Meetings, Tampa, FL, July 30-Aug. 2, 2000.

Ariyaratne, C.B., A.M. Featherstone, M.R. Langemeier, and D.G. Barton. "An Analysis of Efficiency of Midwestern Agricultural Cooperatives." Western Agricultural Economics Association, Selected Papers of the Annual Meetings, Reno, NV, July 13-16, 1997.

Ariyaratne, C.B. and W. Jayatilaka. "Conflict of Interests between State and Peripheral Village Communities in Knuckles Forest, Sri-Lanka." Post-Graduate Institute of Agriculture, Selected Posters of the Annual Meetings, Peradeniya, Sri-Lanka, Nov. 15-16, 1993.

Jayatilaka, W. and C.B. Ariyaratne. "Alienation and Productivity at Work of Public Sector Officers." Sri Lanka Association for the Advancement of Science, Selected papers of the

Annual Meetings, Colombo, Sri Lanka, Nov. 29-Dec. 3, 1992.

### **OUTREACH PRESENTATIONS**

Ariyaratne, C.B. “Small Farmer Decision Making and Environmental Valuation Techniques in Developing Countries.” Invited presentation at the Workshop on Integrating Wetland Economic Values into River Basin Management: Project implemented by IUCN –The World Conservation Union, Sri Lanka country office in collaboration with the Mahaweli Authority of Sri Lanka, June 2004.

Ariyaratne, C.B. Panel Member at workshop on “Development of Suitable Economic Policy Package for Small Scale Rice Paddy Farmers in Sri Lanka.” Sponsored by the Sri Lankan Agricultural Economics Association, University of Peradeniya, Peradeniya, April 2004.

Ariyaratne, C.B. and V. Adikari. “An Extended Benefit-Cost Analysis of Ecological Capital Value and Comparison of Rubber and Oil Palm in Sri Lanka.” Small and Medium Scale Entrepreneurs Forum, Colombo, Sri Lanka, April 2004.

Darling, D.L. and C.B. Ariyaratne. Numerous Community Development Forums and Workshops with Local Community Development Councils at Various Kansas Counties, 1994-2001.

### **TEACHING EXPERIENCE**

Sri Lanka (Graduate): EC6201: Microeconomics Theory II; EC5103: Mathematical Programming I; EC5106: Resource and Environmental Economics I; EC6203: Resource and Environmental Economics II; EC5212: Seminar in Sustainable Development; EC6105: Environmental Valuation

Sri Lanka (Undergraduate): AEC3204: Resource and Environmental Economics

U.S.A. (Undergraduate): AGECE 610: Current Agriculture and Natural Resource Policy; AGECE 500: Production Econ 1; AGECE 598: Farm Management Strategies; AGECE 318: Food and Agri-business Management  
(Graduate): AGECE 805: Agricultural Marketing

### **SERVICE**

Chairperson Sessions and Registration Committee, 15<sup>th</sup> Annual Congress, Postgraduate Institute of Agriculture, University of Peradeniya, Sri Lanka. 2003

Treasurer of the Agriculture Students’ Association 1987-89