

KRISHNA P. PAUDEL



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EDUCATIONAL BACKGROUND

Key Executive Leadership Program, American University, Washington, D.C.
May 2023 –December 2023.

Ph. D. (May 1999), Agricultural & Applied Economics
University of Georgia, Athens, GA 30602, USA

M. S. (August 1995) Agricultural Economics, Auburn University, AL
36849, USA

B. Sc. Ag. (August 1992) with Distinction, Agricultural Sciences,
IAAS/Tribhuvan University, Nepal

EMPLOYMENT HISTORY

Professor and Chair, Department of Agricultural & Applied Economics, TEXAS TECH
UNIVERSITY, Lubbock, Texas, July 2025- present.

Deputy Director for Research and Communications, Resource and Rural Economics Division, USDA
ECONOMIC RESEARCH SERVICE, January 2021 – June 2025.

Gilbert Durbin Endowed Professor, Department of Agricultural Economics and Agribusiness,
LOUISIANA STATE UNIVERSITY, Baton Rouge, Louisiana, December 2017 – December 2022
(Last two years on a leave of absence)

Professor, Department of Agricultural Economics and Agribusiness, LOUISIANA STATE UNIVERSITY,
Baton Rouge, Louisiana, July 2014 – December 2022 (Last two years on a leave of absence)

Visiting Professor and Foreign High-End Expert, College of Business and Economics, SOUTH CHINA
AGRICULTURAL UNIVERSITY, China, 2015–2017

Associate Professor, Department of Agricultural Economics and Agribusiness, LOUISIANA STATE
UNIVERSITY, Baton Rouge, Louisiana, July 2007 – June 2014.

Visiting Scholar, Department of Economics, VANDERBILT UNIVERSITY, January 1, 2009 – December
31, 2009.

Consultant, WORLD BANK, October 1, 2008 – August 31, 2009

Assistant Professor, Department of Agricultural Economics and Agribusiness, LOUISIANA STATE UNIVERSITY, Baton Rouge, Louisiana, March 2001 – June 2007.

Visiting Assistant Professor, Department of Agricultural Economics and Rural Sociology, AUBURN UNIVERSITY, Auburn, Alabama, January 1999 – March 2001.

Visiting Assistant Professor, Global Hydrology and Climate Center, NASA, Huntsville, Alabama, June 1999 – December 1999.

Graduate Research Assistant, Department of Agricultural and Applied Economics, UNIVERSITY OF GEORGIA, Athens, Georgia, January 1996 – January 1999.

Graduate Research Assistant, Department of Agricultural and Applied Economics, AUBURN UNIVERSITY, Auburn, Alabama, September 1993 – December 1995.

Evidence of Program Development/Leadership

- President, Resource Modeling Association, 2023- 2025.
- President-Elect, President, Past President, Southern Agricultural Economics Association (SAEA), 2018-2021
- Chief, Board of Directors Global Future Institute/Institute of Field Research Expedition 2006-2015
- Owner and CEO, Global Crossroad, LLC. 2003-2009.

Other Evidence of Leadership

President, Vice President, Treasurer - Phi Kappa Phi Honor Society LSU Chapter

President, Vice President – LSU Kiwanis Club

Treasurer, Nepali Academics in America, 2021 to present

President, Vice President, Treasurer – SERA-30 USDA's Natural Resource Economics Group

Director of the Board – Resource Modeling Association

Vice President – Resource Modeling Association (current)

President, President-Elect, Treasurer – Gamma Sigma Delta Honor Society, LSU Chapter

MEMBERSHIP AND HONORS

1. Member of the *Gamma Sigma Delta Honor Society of Agriculture*
2. Member of the Honor Society of *Phi Kappa Phi*
3. Outstanding Nontenured Research Faculty in Humanities and Social Sciences at Louisiana State University, Awarded by the LSU Alumni Association and LSU Chapter of Phi Kappa Phi, 2006
4. Director, Resource Modeling Association, 2007-2009
5. Editorial Board, "Natural Resources" Journal, 2010- 2023
6. USDA Office of Advocacy, Panel Member in the Grant Proposal Review, 2010
7. Teacher Merit Honor Roll, Gamma Sigma Delta LSU Chapter, 2010

8. USEPA, Grant Panel Reviewer, April 16-18, 2013
9. Editor, Journal of Agricultural and Applied Economics, July 2013- June 2016
10. LSU Chapter of Honor Society of Gamma Sigma Delta, Outstanding Researcher. 2016.
11. NASA SERVIR panel reviewer, 2016
12. Keynote Speaker, South China Agricultural University organized an international conference on agricultural economics. 2016
13. President-Elect, Southern Ag Econ Association, 2017
14. LSU Chapter of Honor Society of Gamma Sigma Delta, Outstanding Teacher. 2017
15. CAES Alumni Award of Excellence, the UGA College of Agricultural and Environmental Sciences, 2018
16. The Honor Society of Gamma Sigma Delta, LSU Chapter, Distinguished Achievement in Agriculture Award of Merit, 2018
17. Guest Professor, Sichuan Agricultural University, 2018-2023
18. Guest Editor, Water journal (MDPI, SCI indexed), Special Issue, Rural Water, 2018-2019, 2019-2020
19. Associate Editor, Natural Resource Modeling (SCI indexed), 2018-Present
20. Editor (section), Journal of Water Resources Planning and Management, 2019-Present
21. Distinguished Contribution Award, Southern Agricultural Economics Association, First Place Award, Poster Presentation, 2019
22. Keynote speaker, Sichuan Financial Conference, Chengdu, China, November 2019
23. Distinguished Contribution Award, Southern Agricultural Economics Association, Third Place Award, Poster Presentation, 2020
24. Outstanding Advisor of a Student Club, LSU-wide award, 2020
25. Editorial Board Member, Journal of Agricultural and Resource Economics, 2021-2024
26. Southern Agricultural Economics Association, Lifetime Achievement Award, 2025

CONTRIBUTION TO AGRICULTURE

My major research contribution is in the areas of water quality and water quantity, which have been nationally recognized. For the last several years, I have been trying to understand the relationship between income and pollution using the environmental Kuznets curve framework. My research work has established the fact that all water pollutants are not created equally, and there is no way to standardize this relationship using a parametric model. To demonstrate this, I employ semiparametric and nonparametric models. Additionally, I have worked to develop best management practices (BMPs) to reduce water pollution in Louisiana. Also, the best combination of BMPs will have a substantial impact on water quality improvement in Louisiana. I helped build a strong connection between LSU and South China Agricultural University by bringing several visiting scholars and visiting graduate students to LSU. I also helped sign a Memorandum of Understanding (MOU) between the two universities, which led to the first-ever 2+2 program between LSU and South China Agricultural University, effective Fall 2019.

PUBLICATIONS

PEER-REVIEWED JOURNALS

138. Mohammad R. Hasan, **Krishna P. Paudel**, Madhav Regmi, Maria Bampasidou, Humnath Bhandari, and Stephen Devadoss. 2025. Toward Rice Production Self-Sufficiency in Bangladesh: The Role of Plot Attributes, Farmer Characteristics, and Technology. *Journal of Agricultural and Resource Economics* 50(2):351-371
137. Mark Schafer, **Krishna P. Paudel**, and Kamal Upadhyaya. Family Strategies: Labor Migration, Multigenerational Households, and Children's Schooling in Nepal. *American Journal of Economics and Sociology* 84(1): 135-152
136. Le Wen, **Krishna P. Paudel**, Youhua Chen, and Qinying He. 2024. The Power of Securing Property Rights: Evidence from China's Land Titling Policy. *Economic Development and Cultural Change* 72(4):1829-1861
135. Tej K Gautam, **Krishna P. Paudel**, and Kurt M. Guidry. 2024. Determinants of Irrigation Technology Adoption and Acreage Allocation in Crop Production in Louisiana, USA. *Water* 16(3): 392
134. James C Davis, **Krishna P. Paudel**, and Anil Rupasingha. 2024. Role of Income and Policy in Reducing Water Pollution: Evidence from the Mississippi River Basin Healthy Watersheds Initiative (MRBI). *Applied Economics Perspective and Policy* 46(2):627-647
133. Zuocheng Chen, **Krishna P. Paudel**, and Stephen Devadoss. 2024. Economic Openness, Financial Bias, and the Urban-Rural Income Gap. *Review of Development Economics* 28(1): 242-263
132. Meishan Jiang, **Krishna P. Paudel**, Yunsheng Mi, and Jingrong Li. 2023. Impact of Farmland Transfers on the Rural Micro Financial Structure: Evidence from China. *International Review of Financial Analysis* 90, 102897 (Jiang and Paudel equally share senior authorship)
131. Huma Neupane, **Krishna P. Paudel**, and Qinying He. 2023. Impact of Cooperative Membership on Market Performance of Nepali Goat Farmers. *Annals of Public and Cooperative Economics* 94(7):805-830
130. Le Wen, **Krishna P. Paudel**, and Qinying He. Temporary Migration and Land Renting Behavior. *Economic Analysis and Policy* 78, 1372-1391
129. Buddhi Gyawali, **Krishna P. Paudel**, Rosney Jean, and Swagata Banerjee. 2023. Adoption of Computer-based Technology in Agriculture: Opportunities and Barriers. *Technology and Society* 72, 102202

128. DunGang Zang, **Krishna P. Paudel**, Yan Liu, Dan Liu, and Yating He. 2023. Financial decision-making behaviors of ethnic Tibetan households based on mental accounting. *Financial Innovation* 93:9
127. Fan Yang and **Krishna P. Paudel**. 2023. Nutrition, Multidimensional Poverty, and Income: The Case of Nepal. *Journal of International Development* 35(7): 1962-1984
126. Zhaohui Zhang, **Krishna P. Paudel**, and Kamal Upadhyaya. 2023. Preference for Rural Living Environment Improvement Initiatives in China. *American Journal of Economics and Sociology* 82(1), 61-78
125. Dependra Bhatta, **Krishna P. Paudel**, and Kai Liu. 2023. Factors Influencing Water Conservation Practices Adoptions by Nepali Farmers. *Environment, Development and Sustainability* 25:10879-10901
124. Yali Han, **Krishna P. Paudel**, Junyi Wan, and Qinying He. 2022. Five-Year Plan and Agricultural Productivity in China. *China Agricultural Economic Review* 15(1), 214-237
123. Monteic A. Sizer, Dependra Bhatta, Binod Acharya, and **Krishna P. Paudel**. 2022. Determinants of Telehealth Service Use in the Rural Setting during the COVID-19 Pandemic. *International Journal of Environmental Research and Public Health* 19(11), 6930
122. Zhaohui Wang and **Krishna P. Paudel**, and Xiaowei Wen. 2022. On-line Marketing of Fresh Fruits by New Farmers: Use of a WeChat Platform in China. *Computer and Electronics in Agriculture* 199, 107117
121. Fan Yang, **Krishna P. Paudel**, and Yao Jiang. 2022. Impact of Self-Control on Individual Income: Evidence from China. *Economic Research-Ekonomska Istraživanja*
<https://doi.org/10.1080/1331677X.2022.2048190>
120. Buddhi Gyawali, Sandesh Shrestha, Aman Bhatta, Bijay Pokhrel, Richard Cristan, George Antonious, Swagata Banerjee, and **Krishna P. Paudel**. 2022. Assessing the Effect of Land-use and Land-cover Changes on Discharge and Sediment Yield in a Rural Coal-mine Dominated Watershed in Kentucky, USA. *Water* 14(4), 516
119. Huma Neupane, **Krishna P. Paudel**, Mandeep Adhikari, and Qinying He. 2022. Impact of Cooperative Membership on Production Efficiency of Smallholder Goat Farmers in Nepal. *Annals of Public and Cooperative Economics* 93:337–356
118. Hongtao Hu, **Krishna P. Paudel**, and Ying Tan. 2022. Income, Pollution, and Policy. *Environmental and Resource Economics* 81(1), 131-153. (shared senior authorship).
117. Bhaba Sarker, Bingqing Wu, and **Krishna P. Paudel**. 2022. Optimal Location for Renewable Gas Production and Distribution Facilities: Resource Planning and Management. *BioEnergy Research* 15(1), 650-666

116. Zuocheng Chen, **Krishna P. Paudel**, Rongqing Zheng. 2022. Pollution Halo or Pollution Haven: Assessing the Role of Foreign Direct Investment on Energy Conservation and Emission Reduction. *Journal of Environmental Planning and Management* 65(2), 311-336
115. Le Wen, **Krishna P. Paudel**, and Qinying He. 2022. Temporary Migration and Savings Rates: Evidence from China. *European Journal of Development Research* 34:2810-2849
114. Dependra Bhatta, **Krishna P. Paudel**, and Ben Li. 2021. Potential Economic Impacts of Groundwater Conservation in the Mississippi River Alluvial Aquifer (MRAA), Louisiana, USA. *Natural Resource Modeling* 34(4), e12330
113. Fan Yang, Yao Jiang, and **Krishna P. Paudel**. 2021. Impact of Work Value Awareness on Self-Rated Physical Health of Rural-to-Urban Migrant Workers in China. *Healthcare* 9(5): 505
112. Fan Yang, **Krishna P. Paudel**, and Yao Jiang. 2021. Like Parents, Like Children? Intergenerational Poverty Transmission in China. *Journal of the Asia Pacific Economy* 28(3):835-854
111. Lianying Li, **Krishna P. Paudel**, and Jinyong Guo. 2021. Understanding Chinese Farmers' Participation Behavior Regarding Vegetable Traceability Systems. *Food Control*, 108325
110. Fan Yang, Y. Jiang, **Krishna P. Paudel**. 2021. Farmers' Willingness to Participate in Forest Management for Carbon Sequestration on the Sloping Land Conservation Program in China. *International Forestry Review* 23(2):244-261
109. Le Wen, Krishna P. Paudel, You-hua Chen, and Qinyin He. 2021. Urban Segregation and Consumption Inequality. *Review of Development Economics* 25(4), 2298-2322
108. Qiuzhuo Ma, Hua Li, Yimei Hu, **Krishna P. Paudel**, Sijin Zhang, Jianfeng Zhang. 2021. Effects of Fiscal Decentralization on Garbage Classifications. *Frontiers in Energy Research* <https://doi.org/10.3389/fenrg.2021.686561>
107. Wenjue Zhu, **Krishna P. Paudel**, Sean Inoue, and Biliang Luo. 2021. Farmland Lease, High-Rent Threat, and Contract Instability: Evidence from China. *China Agricultural Economic Review* 13(4): 799-831
106. Santosh Pathak, **Krishna P. Paudel**, and Naveen C. Adusumulli. 2021. Impact of the Federal Conservation Program Participation on Conservation Practice Adoption Intensity in Louisiana, USA. *Environmental Management* 68:1–16. [lead article]
105. Hamid Vahdat-Aboueshagh, Frank T.-C. Tsai, Dependra Bhatta, **Krishna P. Paudel**. 2021. Irrigation-Intensive groundwater modeling of complex aquifer systems through integration of big geological data. Forthcoming, *Frontiers in Water*, doi: 10.3389/frwa.2021.623476
104. Zuocheng Chen and **Krishna P. Paudel**. 2021. Economic Openness, Government Efficiency, and Urbanization. *Review of Development Economics* 25(3), 1351-1372

103. **Krishna P. Paudel**, Ashok Mishra, Mahesh Pandit, and Eduardo Segarra. 2021. Event Dependence and Heterogeneity in the Adoption of Precision Farming Technologies: A Case of U.S. Cotton Production. *Computer and Electronics in Agriculture* 181, 105979
102. Fan Yang, Yao Jiang, and **Krishna P. Paudel**. 2021. Impact of Credit Constraints from Formal Financial Institutions on Rural Residents' Health in China. *Healthcare* 9(1), 6
101. Zhaohui Zhang and **Krishna P. Paudel**. 2021. Small-Scale Forest Cooperative Management of the Grain for Green Program in Xinjiang, China: A SWOT-ANP Analysis. *Small-scale Forestry* 20:221–233
100. Donghui Peng, Jingrong Li, **Krishna P. Paudel**, and Yunsheng Mi. 2021. Land transfer and food crop planting decisions in China. *Applied Economics Letters* 28(20):1777-1783
99. Min Shi, **Krishna P. Paudel**, and Chen Fengbo. 2020. Mechanization and Efficiency in Rice Production in China. *Journal of Integrative Agriculture* 19(0): 2–15
98. Tej Gautam, **Krishna P. Paudel**, Kurt M. Guidry. 2020. An Evaluation of Irrigation Water Use Efficiency in Crop Production using a Data Envelopment Analysis Approach: A Case of Louisiana, USA. *Water* 12(11): [10.3390/w12113193](https://doi.org/10.3390/w12113193)
97. Xi Yu, **Krishna P. Paudel**, Dongmei Li, Xiaolei Xiong, Yanyu Gong. 2020. Sustainable Collaborative Innovation between Research Institutions and Seed Enterprises in China. *Sustainability*, 12(2), 624
96. Deborah Williams and **Krishna P. Paudel**. Migration, Remittance, and Adoption of Conservation Practices. *Environmental Management* 66(6), 1072-1084
95. Meishan Jiang, **Krishna P. Paudel**, and Usman Sene. Does Counter-guarantee Affect Microcredit Mechanism's Performance on Repayment? Evidence from Guangzhou, China. *International Journal of Finance & Economics* 27(2):1807-1817
94. Santosh Pathak, Hari K. Panta, Thaneshwar Bhandari, and **Krishna P. Paudel**. Flood Vulnerability and Its Influencing Factors. *Natural Hazard* 104(3):2175-2196
93. **Krishna P. Paudel**, Ashok K. Mishra, Mahesh Pandit, Sherry Larkin, Rodrick Rejesus, and Margarita Velandia. 2020. Modeling Multiple Reasons for Adopting Precision Technologies: Evidence from U.S. Cotton Producers. *Computer and Electronics in Agriculture* 175(August):105625
92. Wenjue Zhu, **Krishna P. Paudel**, and Biliang Luo. 2020. The Influence of Land Titling on the Disparity between Willingness to Accept and Willingness to Pay Values. *Journal of Environmental Planning and Management* 64(5): 930-953
91. Zhaohui Yang, **Krishna P. Paudel**, Xiao-Wei Wen, Sangluo Sun, and Yong Wang. 2020. Food safety risk information-seeking intention of WeChat users in China. *International Journal of Environmental Research and Public Health* 17(7): 2376
90. Meishan Jiang, **Krishna P. Paudel**, and Fan Zou. 2020. Do Microcredit Loans Do What They Are Intended to Do? A Case Study of the Credit Village Microcredit Program in China. *Journal of International Development* 32(5):763-792

89. Hua Wang, **Krishna P. Paudel**, and Rex Caffey. 2020. Tourism for Surf and Marsh Fishing in Coastal Louisiana: Effects of Site Closure, Travel Cost Decrease, And Entrance Fee Increase. *Environmental Economics and Policy* 9(1), 21-35
88. Madhav Regmi, **Krishna P. Paudel**, and Keshav Bhattarai. 2020. Migration Decisions and Destination Choices. *Journal of Asia Pacific Economy* 25(2), 197-226
87. Qiuzhuo Ma, **Krishna P. Paudel**, Doleswar Bhandari, Chandra Theegala, and Molly Cicserno. 2019. Implications of Poultry Litter Usage for Electricity Production. *Waste Management* 95(15):493-503
86. Fan Yang and **Krishna P. Paudel**, Tianhui Zhuang, and Yao Jiang. 2019. Multidimensional Poverty of the Ethnic Tibetan Farm and Herder Households in Gansu Province, China. *Ciência Rural* 49(8)
85. Aditya Khanal, Ashok Mishra, Dayton Lambert, and **Krishna P. Paudel**. 2019. Modeling Post Adoption Decision in Precision Agriculture: A Bayesian Approach. *Computers and Electronics in Agriculture* 162:466-474
84. Zhaohui Zhang and **Krishna P. Paudel**. 2019. Policy Improvements and Farmers' Willingness to Participate: Insights from the New Round of China's Sloping Land Conversion Program. *Ecological Economics* 162, 121-132
83. Biswo Poudel and **Krishna P. Paudel**. 2019. Transboundary Extraction of Groundwater in the Presence of Hydraulic Fracturing. *Natural Resource Modelling* 32(3), e12217
82. Meishan Jiang, Jingrong Li, **Krishna P. Paudel** and Yunsheng Mi. 2019. Factors Affecting Agricultural Land Transfer-Out in China: A Semiparametric Instrumental Variable Model. *Applied Economics Letters* 26(20), 1729-1733
81. Bhaba Sarker, Bingqing Wu, and **Krishna P. Paudel**. 2019. Modeling and Optimization of a Supply Chain of Renewable Biomass and Biogas: Processing Plant Location. *Applied Energy* 239: 343-355
80. Lin Liu, **Krishna P. Paudel**, Ming Lei, and Guanghao Li. 2019. Income Inequality Among Minority Farmers in China: Does Social Capital Have A Role? *Review of Development Economics* 23(1), 528-551
79. L.L. Qiu, F. Yang, **K.P. Paudel**, M.A. Koondhar, and W.Z. Zeng. 2018. Influence of Rural Households' Livelihood Capital on Income Derived from Participation in the Forest Carbon Sequestration Project: A Case from the Sichuan and Yunnan Provinces China. *International Journal of Forestry* 20(4), 538-558
78. Bijesh Mishra, Buddhi R. Gyawali, **Krishna P. Paudel**, Neelam C. Poudyal, Marion Simon, Siddhartha Dasgupta, and George Antonious. 2018. Adoption of Sustainable Agriculture Practices among Farmers in Kentucky, USA. *Environmental Management* 62(6):1060-1072.

77. Tej Gautam and **Krishna P. Paudel**. 2018. Estimating Sectoral Demands For Electricity Using The Pooled Mean Group Method. *Applied Energy* 231(December):54-67
76. Qiuzhuo Ma, **Krishna P. Paudel**, and Luqi Cui. 2018. A Multi-Objective Optimization Problem for Using Poultry Litter in Electricity Production. *Applied Energy*, 228:1220-1242
75. Tej K. Gautam and **Krishna P. Paudel**. 2018. Natural Gas Demand in the Northeastern United States: *Energy* 158:890-898
74. Qiuzhuo Ma, **Krishna P. Paudel**, Liting Gu, and Xiaowei Wen. 2018. An Application of a Cardinality-Constrained Multiple Benchmark Tracking Error Model on a Plant Enterprise Selection Problem. *European Review of Agricultural Economics* 45(5), 677-721
73. Meishan Jiang, **Krishna P. Paudel**, and Yunsheng Mi. 2018. Factors Affecting Agricultural Land Transfer-in in China: A Semiparametric Analysis. *Applied Economics Letters* 25(21), 1547-1551
72. You-hua Chen, Qinying He, and **Krishna P. Paudel**. 2018. Quality Competition and Reputation of Restaurants: The Effects of Capacity Constraints. *Economic Research-Ekonomska Istraživanja* (RERO) 31(1), 102-118
71. Fan Yang, **Krishna P. Paudel**, Rongzhu Cheng, Lingling Qiu, Tianhui Zhuang Weizhong Zeng. 2018. Acculturation of Rural Households Participating in a Clean Development Mechanism Forest Carbon Sequestration Program: A Survey of Yi Ethnic Areas in Liangshan, China. *Journal of Forest Economics* 32:135-145
70. Bijay Pokhrel, **Krishna P. Paudel**, and Eduardo Segarra. 2018. Factors Affecting the Choice, Intensity, and Allocation of Irrigation Technologies by U.S. Cotton Farmers. *Water*, 10(6), 706
69. C.-Y. Cynthia Lin Lawell, **Krishna P. Paudel**, Mahesh Pandit. 2018. One Size Does Not Fit All: A Nonparametric Instrumental Variable Approach to Estimating the Income-Pollution Relationship at the Global Level. *Water Resources and Economics* 21:3–16 (Lin Lawell and Paudel equally share Senior Authorship)
68. Biswo Poudel and **Krishna P. Paudel**. 2018. An Integrated Approach to Analyzing Risk in Bioeconomic Models. *Natural Resource Modeling* 31(3), e12172
67. Timothy A. Park, **Krishna P. Paudel**, and Seydina Sene. 2018. Sales Impacts of Direct Marketing Choices: Treatment Effects with Multinomial Selectivity. *European Review of Agricultural Economics* 45, 3: 433–453.
66. Bhaba Sarker, Bingqing Wu, and **Krishna P. Paudel**. 2018. Optimal Number and Location of Storage Hubs and Biogas Production Reactors in Farmlands with Allocation of Multiple Feedstocks. *Applied Mathematical Modeling* 55:447-465.

65. Sarah Kagoya, **Krishna P. Paudel**, Nadhomi L. Daniel. 2017. Awareness and Adoption of Soil and Water Conservation Technologies in a Developing Country: A Case of Nabajuzi Watershed in Central Uganda. *Environmental Management* 61(2), 188-196
64. Mahesh Pandit, **Krishna P. Paudel**, and Roger Hinson. 2017. Market Channel Selections by U.S. Nursery Plant Producers: A Multivariate Nonparametric Fractional Regression Analysis. *Journal of Applied Statistics* 45.8:1530-46
63. Madhav Regmi and **Krishna P. Paudel**. 2017. Food Security in a Remittance Based Economy. *Food Security* 9(4), 831-848
62. Ramesh Ghimire, Gary T. Green, **Krishna P. Paudel**, Neelam C. Poudyal, and H. Ken Cordell. 2017. Visitors' Preferences for Freshwater Amenity Characteristics: Implications from the U.S. Household Survey. *Journal of Agricultural and Resource Economics* 42(1):90-113
61. **Krishna P. Paudel**, Nirmala Devkota, and Ying Tan. 2016. Best Management Practices Adoption to Mitigate Nonpoint Source Pollution: A Conditional Frailty Model. *China Agricultural Economics Review* 8 (4): 534-552
60. Mahesh Pandit and **Krishna P. Paudel**. 2016. Water Pollution and Income Relationships: A Seemingly Unrelated Partially Linear Analysis. *Water Resources Research* 52(10): 7668-7689
59. Amir Mani, Frank T-C. Tsai, **Krishna P. Paudel**. 2016. Mixed Integer Linear Fractional Programming for Conjunctive Use of Surface Water and Groundwater. *Journal of Water Resources Planning and Management* 142(11): 10.1061
58. **Krishna P. Paudel**, Mahesh Pandit, and Roger Hinson. 2016. Irrigation Water Sources and Irrigation Application Methods Used by U.S. Plant Nursery Producers. *Water Resources Research* 52(2), 698-712
57. Christopher N. Boyer, Dayton M. Lambert, Margarita Velandia, Burton C. English, Roland K. Roberts, James A. Larson, Sherry L. Larkin, **Krishna P. Paudel**, and Jeanne M. Reeves. 2016. Cotton Producer Awareness and Participation in Cost-Sharing Programs for Precision Nutrient Management Technology. *Journal of Agricultural and Resource Economics* 41(1):81-96
56. Berdikul Qushim, Jeff Gillespie, **Krishna P. Paudel**, and Ken McMillan. 2015. Technical and Scale Efficiencies of Meat Goat Farms in the USA. *Applied Economics*. 48(7), 608-620
55. Bingqing Wu, Bhaba Sarkar, and **Krishna P. Paudel**. 2015. Sustainable Energy from Biomass: Biomethane Manufacturing Plant Location and Distribution Problem. *Applied Energy* 158(11):597-608
54. Dayton Lambert, **Krishna P. Paudel**, and J. Larson. 2015. Bundled Adoption of Precision Agriculture Technologies by Cotton Producers. *Journal of Agricultural and Resource Economics* 40(2):325-345.

53. **Krishna P. Paudel**, Nirmala Devkota, and Buddhi Gyawali. 2015. Web-Based Survey, Calibration, and Economic Impact Assessment of Spending in Nature Based Recreation. *Environmental Economics* 6(1):25-32
52. Mahesh Pandit, **Krishna P. Paudel**, and Ashok Mishra. 2013. Do Agricultural Subsidies Affect Labor Allocation Decision? Comparing Parametric and Semiparametric Methods. *Journal of Agricultural and Resource Economics* 38:1-18. (LEAD ARTICLE)
51. **Krishna P. Paudel**, Mahesh Pandit, and Mike Dunn. 2013. Using Spectral Analysis and Multinomial Logit Regression to Explain Households' Choice Patterns. *Empirical Economics* 44:739-760
50. **Krishna P. Paudel** and Biswo Poudel. 2013. Functional Form of Water Pollutants-Income Relationship under the Environmental Kuznets Curve Framework. *American Journal of Agricultural Economics* 95:261-267
49. Biswo N. Poudel, **Krishna P. Paudel**, Govinda Timilsina, David Zilberman. 2012. Providing Numbers for a Food versus Fuel Debate: An Analysis of a Future Biofuel Production Scenario. *Applied Economics Perspective and Policy* 34(2012):637-668
48. Narayan Neupane, Jeff Gillespie, and **Krishna P. Paudel**. 2012. Economic impacts of best management practice adoption by crawfish producers: the role of the environmental quality incentives program. *Journal of Agricultural and Resource Economics Review* 41:247-259
47. **Krishna P. Paudel** and Upton Hatch. 2012. Global warming, impact on agriculture and adaptation strategy. *Natural Resource Modeling* 25:456-481
46. Roger Hinson, **Krishna P. Paudel**, and Marco Velastugi. 2012. Understanding Ornamental Plant Market Shares to Rewholesaler, Retailer, and Landscaper Channels. *Journal of Agricultural and Applied Economics* 44:173-189
45. Biswo Poudel and **Krishna P. Paudel**. 2012. Trust, Institution and Development. *Applied Economics Letters* 19:145-147
44. Mahesh Pandit, Ashok Mishra, and **Krishna P. Paudel**. 2011. Comparison Between Parametric and Semiparametric Models of Farm Labor Allocation Decisions. *Empirical Economics Letters* 10:5
43. **Krishna P. Paudel**, Biswo Poudel, Doleswar Bhandari, and Tom Johnson. 2011. Examining the Role of Social Capital in the Environmental Kuznets Curve Estimation. *Global Journal of Environmental Science and Technology*. 1: 16
42. **Krishna P. Paudel**, Rex Caffey, and Nirmala Devkota. 2011. An Evaluation of Factors Affecting the Choice of Coastal Recreational Activities. *Journal of Agricultural and Applied Economics* 43:167-179
41. Ashok Mishra and **Krishna P. Paudel**. 2011. Income and Wealth Accumulation of U.S. Farms Households. *Applied Economics* 43:1521-1533

40. Biswo Poudel, **Krishna P. Paudel**, and David Zilberman. 2011. Agricultural Productivity Convergence: Myth or Reality? *Journal of Agricultural and Applied Economics* 43:143-156
39. Ram Acharya, Paul Gentle and **Krishna P. Paudel**. 2010. Examining the CRB Index as a Leading Indicator for U.S. Inflation. *Applied Economics Letters* 17:1493-1496
38. Paudel, Laxmi, Murali Adhikari, Jack Houston, and **Krishna P. Paudel**. 2010. Low Carbohydrate Information, Consumer Health Preferences, and Market Demand for Fruits in the United States. *Applied Economics Letters* 17:411-415
37. **Krishna P. Paudel**, Keshav Bhattarai, Wayne Gauthier, and Larry Hall. 2009. Geographic Information Systems (GIS) Based Model of Dairy Manure Transportation and Application with Environmental Quality Consideration. *Waste Management* 29:1634-1643
36. Ram Acharya, **Krishna P. Paudel**, and L. Upton Hatch. 2009. Impact of Nostalgia and Past Experience on Recreational Demand for Wilderness. *Applied Economics Letters* 16:449-453
35. Biswo Poudel, **Krishna P. Paudel**, and Keshav Bhattarai. 2009. Searching for Environmental Kuznets Curve in Carbon Dioxide Pollutant in Latin American Countries. *Journal of Agricultural and Applied Economics* 41:13-27
34. **Krishna P. Paudel** and Mark Schaefer. 2009. The Environmental Kuznets Curve under a New Framework: Role of Social Capital in Water Pollution. *Environmental and Resource Economics* 42:265-278
33. Seon-Ae Kim, Jeff Gillespie, and **Krishna P. Paudel**. 2008. Rotational Grazing Adoption in Cattle Production under a Cost-Share Agreement: Does Uncertainty Have a Role in Conservation Technology Adoption? *Australian Journal of Agricultural and Resource Economics* 52:235-252
32. Joyce Obubuafo, Jeffrey Gillespie, **Krishna P. Paudel**, and Seon-Ae Kim, 2008. Awareness of and Application to the Environmental Quality Incentives Program by Cow-Calf Producers. *Journal of Agricultural and Applied Economics* 40:357-368
31. **Krishna P. Paudel**, Wayne Gauthier, Larry Hall and John Westra. 2008. Factors Influencing and Steps Leading to the Adoption of Best Management Practices by Louisiana Dairy Farmers. *Journal of Agricultural and Applied Economics* 40:203-222
30. Murali Adhikari, **Krishna P. Paudel**, Jack Houston, and James Bukenya. 2008. Assessing the Impacts of Stochastic Trend in Crop Acreage Supply Response Model. *Applied Economics* 40:295-302
29. Senhui He, Jeff Jordan, and **Krishna P. Paudel**. 2008. Economic Evaluation of Bottled Water Consumption as an Averting Means: Evidence from a Hedonic Price Analysis. *Applied Economics Letters* 15:337-342
28. Paul Gentle, **Krishna P. Paudel**, and Kamal Upadhyay. 2007. Real Wages, Real Interest Rates and the Phillips Curve: Evidence from Canadian Data. *Economia Internazionale/International Economics* 60:319-332
27. Murali Adhikari, Laxmi Paudel, **Krishna P. Paudel**, Jack Houston, and James Bukenya. 2007. Impact of Low Carbohydrate Information on Vegetable Demands in the United States.

26. Murali Adhikari, **Krishna P. Paudel**, Jack Houston, and James Bukenya. 2007. Dairy Supply Response under Stochastic Trend and Seasonality. *Applied Economics Letters* 14:887-891
25. Murali Adhikari, **Krishna P. Paudel**, Laxmi Paudel, and James Bukenya. 2007. Modeling Swine Supply Response Using a Structural Time Series Approach. *Applied Economics Letters* 14:467-472
24. **Krishna P. Paudel**, Michael A Dunn, Doleswar Bhandari, Richard Vloksy, and Kurt Guidry. 2007. Alternative Methods to Analyze the Rank Ordered Data: A Case of Invasive Species Control. *Natural Resource Modeling* 20:451-472
23. Jeff Gillespie, Seon-Ae Kim, and **Krishna P. Paudel**. 2007. Why Don't Producers Adopt Best Management Practices? An Analysis of the Beef Cattle Industry. *Agricultural Economics* 36:89-102
22. Murali Adhikari, Laxmi Paudel, Jack E Houston, **Krishna P. Paudel**, and James Bukenya. 2006. Impacts of Cholesterol Information on Meat Demand: An Application of Updated Cholesterol Index. *Journal of Food Distribution Research* 37:61-69
21. **Krishna P. Paudel**, Luanne Lohr, Miguel Cabrera. 2006. Residue Management Systems and Their Implications for Production Efficiency. *Renewable Agriculture and Food Systems*, 21:124-133
20. Murali Adhikari, **Krishna P. Paudel**, and Jack Houston. 2003-2004. Water Resources Planning for Broiler Production: Econometric and Time Series Analysis. *Journal of Environmental Systems* 30:289-301
19. Murali Adhikari, **Krishna P. Paudel**, Neil R. Martin, Jr., and Wayne M. Gauthier. 2005. Economics of Dairy Waste Use as Fertilizer in Central Texas. *Waste Management* 25:1067-1074
18. **Krishna P. Paudel** and Chris McIntosh. 2005. Broiler Industry and Broiler Litter-Related Problems in the Southeastern US. *Waste Management* 25:1083-1088
17. **Krishna P. Paudel**, Rex A Caffey, Nirmala Devkota, and Larry Hall. 2005. Opening a Public Recreation Area to Revitalize Coastal Communities and Preserve Natural Resources in Louisiana: The Case of Elmer's Island. *Journal of Agricultural and Applied Economics*, 57:475-84
16. **Krishna P. Paudel**, Hector Zapata, and Dwi Susanto. 2005. An Empirical Test of Environmental Kuznets Curve for Water Pollution. *Environmental and Resource Economics* 31:325-348
15. **Krishna P. Paudel** and Chris McIntosh. 2005. Numeraire Choice in Agricultural Supply Analysis. *Applied Economics* 37:1209-1214
14. Seon Ae Kim, Jeff Gillespie, and **Krishna P. Paudel**. 2005. The Effect of Socioeconomic Factors on the Adoption of Best Management Practices in Beef Cattle Production. *Journal of Soil and Water Conservation* 60:111-120
13. **Krishna P. Paudel**, Ashuthosh Limaye, Upton Hatch, Jim Cruise, and Fuad Musleh. 2005. Development of an Optimal Water Allocation Decision Tool for the Major Crops During

the Water Deficit Period in The Southeast U.S. *Natural Resource Modeling* 18:281-306

12. Paul Gentle, **Krishna P. Paudel**, and Kamal Upadhyaya. 2005. Real Wage, Real Interest Rates and the Phillips Curve. *Applied Economics* 37: 397-402
11. **Krishna P. Paudel**, Wayne Gauthier, John Westra, and Larry Hall. 2004-2005. Willingness to Participate in Dairy Programs to Reduce Manure Related Problems in Louisiana's Major Dairy Production Region. *Journal of Environmental Systems* 31:367-383
10. Ashutosh S. Limaye, **Krishna P. Paudel**, Fuad Musleh, James F. Cruise, and L. Upton Hatch. 2004. Economic Impact of Water Allocation on Agriculture in the Lower Chattahoochee River Basin. *Hydrological Science and Technology* 20:75-92
9. **Krishna P. Paudel**, Murali Adhikari, Neil R. Martin, Jr. 2004. Evaluation of Broiler Litter Transportation in Northern Alabama, USA. *Journal of Environmental Management* 73:15-23
8. **Krishna P. Paudel**, Murali Adhikari, Ashutosh Limaye, Neil R. Martin, Jr. 2002-2003. Phosphorus based management of broiler litter as agricultural fertilizer. *Journal of Environmental Systems* 29:311-339
7. **Krishna P. Paudel**, Diane Hite, Walaiporn Intarapapong, and Dwi Susanto. 2003. A Watershed Based Economic Modeling of Alternative Management Practices in Southern Agricultural Systems. *Journal of Agricultural and Applied Economics* 35:381-89
6. B. Brecke, G. Wehtje, and **K. Paudel**. 2002. Comparison between Diclosulam and Imazapic Based Weed Control Systems in Peanuts. *Peanut Science* 29:52-57
5. Upton Hatch, **Krishna P. Paudel**, Shrikant Jagtap, Jim Jones, and Marshall Lamb. 2000. Sensitivity of Agriculture to Climate Change in the Southeast U.S. *World Resource Review* 12:702-716
4. **Krishna P. Paudel**, Luanne Lohr, and Neil R. Martin, Jr. 2000. Effect of Risk Perspective on Fertilizer Choice by Sharecroppers. *Agricultural Systems* 66:115-128
3. **Krishna P. Paudel**, Luanne Lohr, Neil R. Martin, Jr. 1998. Optimal Input Cost Sharing for Tenants: Implication for Negotiating Efficiency. *Agricultural Systems* 57:1-11
2. **Krishna P. Paudel**, Neil R. Martin, Jr., Glenn Wehtze, and Timothy Grey. 1998. Economic Decisionmaking Using Enterprise Budgeting and Statistical Analysis: An Illustration in Weed Control Practices in Peanut Production. *Journal of Production Agriculture* 11:48-52
1. Timothy L. Grey, Glenn R. Wehtje, Robert H. Walker, and **Krishna P. Paudel**. 1995. Comparison of Imazethapyr and Paraquat-Based Weed Control Systems in Peanut (*Arachis hypogaea*). *Weed Technology* 9:813-818

EDITED BOOK

Gail Cramer, Krishna P. Paudel, and Andrew Schmitz (authorship equally shared). Routledge [Handbook of Agricultural Economics](#). 2019. Taylor and Francis Press, UK.

BOOK CHAPTERS

1. Hector Zapata and **Krishna P. Paudel**, 2009. Functional form of the environmental Kuznets curve. *Advances in Econometrics* 25:471-494.
2. Madhav Regmi and Krishna P. Paudel. 2016. Impact of Remittance on Food Security in Bangladesh. In Andrew Schmitz , P. Lynn Kennedy , Troy G. Schmitz (ed.) *Food Security in a Food Abundant World (Frontiers of Economics and Globalization, Volume 16)* Emerald Group Publishing Limited, pp.145 – 158.
3. Mahesh Pandit and Krishna P. Paudel. 2019. Survey of Environmental Kuznets Curve. In Gail Cramer, Krishna P. Paudel, and Andy Schmitz (ed.), *Routledge Handbook of Agricultural Economics*.
4. Stephen Martinez and Krishna P. Paudel. 2019. Food Marketing in the United States. In Gail Cramer, Krishna P. Paudel, and Andy Schmitz (ed.), *Routledge Handbook of Agricultural Economics*.

NON-PEER REVIEWED JOURNAL ARTICLES

1. **Krishna P. Paudel**, 2002. Poverty Alleviation Through Agricultural-Led Growth in Nepal: Can We Change the Myth into a Reality? *CAMAD - Journal of Administration, Management and Development* 5:1-9.
2. Brian Gottshall, **Krishna P. Paudel**, Bijay K Pokhrel. 2018. Assessing the efficiencies of alternative best management practices to reduce non-point source pollution for a sub-watershed in Louisiana, USA. *International Journal of Hydrology* 2(6):651-656.

BOOK REVIEW

Krishna P. Paudel. Tradeoffs or synergies? Agricultural intensification, economic development and the environment. Edited by D.R. Lee and C.B. Barrett. Book Review. *American Journal of Agricultural Economics* 87(2005):262-263.

PROCEEDINGS

1. Krishna P. Paudel and Neil R. Martin, Jr. Sharecropping Input Decisions: an Efficiency Analysis with Two Enterprises. Proceedings of twenty fifth silver anniversary meeting of Southeast Decision Science Institute, February 23-25, 1995.
2. Krishna P. Paudel, Neil R. Martin, Jr., Glenn Wehtje, and Timothy Grey. Evaluation of Input Decision Criteria: an Illustration in Weed Control Practices in Peanut Production. Proceedings of twenty sixth annual meeting of Southeast Decision Sciences Institute year 1996.
3. Murali Adhikari, Krishna P. Paudel, and Neil R. Martin, Jr. Economics of Dairy Waste Use and Outline of Effective Environmental Policies: a Case of Cross Timber Region of Central Texas. Proceedings of Thirtieth annual meeting of Southeast Decision Sciences Institute year, 2001.
4. Upton Hatch, Krishna P. Paudel, James Cruise, Marshall Lamb, Mark Masters, Ashutosh Limaye, and Don Perkey. Hydrologic-economic Evaluation of Use and Value of Irrigation Water. Proceedings of the American Water Resource Association, Utah, July 2001.

5. Dwi Susanto and Krishna P. Paudel. An empirical test of Environmental Kuznets Curve for water pollution in Louisiana. Proceedings of Thirty Second annual meeting of the Southeast Decision Sciences Institute, Hilton Head, South Carolina, Feb 20-22, 2002, Page 37-39.
6. Dwi Susanto and Krishna P. Paudel. Economics of coastal area pollution and its association with poverty in Louisiana. Proceedings of the American Water Resources Association, 2002 Spring Specialty Conference, Coastal Water Resources, New Orleans, Louisiana, May 13-15, 2002, Page 37-42.
7. Ken Paxton, Krishna P. Paudel, Eddie P. Millhollon, and James L. Rabb. An economic analysis of poultry litter use in Louisiana cotton production. Proceedings of the Beltwide Cotton Production Conference, Jan. 8-12, 2002, page 456-464.

RESEARCH BULLETINS

1. **Krishna P. Paudel**, Neil R. Martin, Jr., Nancy Kokalis-Burelle and Rodrigo Rodriguez-Kabana. 1996. Economic and Environmental Evaluations of Peanut Rotations with Switchgrass and Cotton. *Highlight of Agricultural Research* 43:4-7.
2. Murali Adhikari, **Krishna P. Paudel** and Neil R. Martin, Jr. 2001. How Far Can We Go? Economics of Phosphorus Consistent Broiler Litter Management in North Alabama. *Online Highlights, A magazine of Research from the Alabama Agricultural Experiment Station at Auburn University* 48: 1-3.
<http://www.ag.auburn.edu/resinfo/highlightsonline/fall01/fall-adhik.html>
3. Jeff Gillespie, Seon Ae Kim and **Krishna P. Paudel**. 2005. The Effect of EQIP Cost-Share Rate on Adoption of Rotational Grazing. *Beef Research Bulletin* 33(2005):60-63.
4. Seon-Ae Kim, Jeff Gillespie and Krishna P. Paudel. 2005. Factors Influencing the Adoption of Beef Cattle Best Management Practices. *Beef Research Bulletin* 33:68-71.
5. Krishna P. Paudel, Hector Zapata and Dwi Susanto. 2005. Examining the Relationship between Water Pollution and Per Capita Income in Louisiana. *Louisiana Agriculture* 48:22-23
6. Krishna P. Paudel, Keshav Bhattarai, Wayne Gauthier and John Westra. 2010 A GIS-based Model of Optimal Transportation for Dairy Manure Used as Fertilizer. *Louisiana Agriculture* 53:16-17.
7. Krishna P. Paudel and Keshav Bhattarai. 2010. Economic Assessment of Broiler Litter Transportation Potential in Louisiana. *Louisiana Agriculture* 53:18-19.
8. Natalie Hummel, Krishna P. Paudel, Craig Roussel, Tad Hardy and William Spitzer. 2010. On Guard for Invasive Species. *Louisiana Agriculture* 53:8-11.
9. Krishna P. Paudel, Mahesh Pandit and Mike Dunn. 2010. Choice of Invasive Species Control Methods in Louisiana. *Louisiana Agriculture* 53:24-25.
10. Achyut Adhikari, Krishna P. Paudel, and Kathryn Fontenot. 2018. Louisiana Farmers' Perceptions of Major Challenges to Compliance with the Food Safety Modernization Act.

11. Krishna P. Paudel, Huizhen Niu, Chandra Theegala, Quizhou Ma, Doleswar Bhandari and Naveen Adusumilli. 2019. Use of Broiler Litter in Electricity Production and Resulting Economic Impacts. Spring issue. *Louisiana Agriculture*
12. Rajan Dhakal, Krishna P. Paudel, Matt Fannin, and Naveen Adusumilli. 2019. Economic Impact of Groundwater Salinity in Louisiana. Spring issue. *Louisiana Agriculture*

ENCYCLOPEDIA ENTRY

Krishna P. Paudel. Environmental Kuznets Curve. Environmental and Natural Resource Economics, An Encyclopedia. Edited By John Whitehead and Tim Haab. ABC-CLIO, Santa Barbara, California.

ABSTRACT IN JOURNALS

1. Marshall C. Lamb, Neil R. Martin, Jr., **Krishna P. Paudel**, and Chieng Feng Tai. Optimal Variable Input Choice Criteria: An Empirical Application for Peanut Irrigation. Abstract in *Southern Journal of Agricultural Economics*, Dec 1995.
2. **Krishna P. Paudel**, Neil R. Martin, Jr., Nancy Kokalis-Burelle. Economic Evaluation of Cropping Patterns Based on Policy and Environmental Factors. Abstract in *American Journal of Agricultural Economics*, 78(1996):1412.
3. **Krishna P. Paudel** and Neil R. Martin. Risk and Input Application in Share Tenancy: an Illustration in a Multi Crop Situation Abstract in *Journal of Agricultural and Applied Economics* 28(1996).
4. **Krishna P. Paudel** and Christopher S. McIntosh. Numeraire Choice in Agricultural Supply Analysis. Abstract in *American Journal of Agricultural Economics* 80(1998):1200.
5. **Krishna P. Paudel** and L. Lohr. Dynamic Analysis of Residue Management System in Cotton. Abstract in *American Journal of Agricultural Economics* 80(1998):1173.
6. Christopher S. McIntosh and **Krishna P. Paudel**. Economics of Poultry Litter Utilization and Optimal Environmental Policy for Phosphorus Disposal in Georgia. Abstract in *Journal of Agricultural and Applied Economics* 32(2000):397.
7. **Krishna P. Paudel** and Upton Hatch. Supplemental Irrigation Water Management in the Southeast US. Abstract in *Journal of Agricultural and Applied Economics* 32(2000):401.
8. **Krishna P. Paudel**. Comparing the Efficiency of Alternative Forecasting Procedures. Abstract in *Journal of Agricultural and Applied Economics*, August 2002, Page 368.
9. Luanne Lohr and **Krishna P. Paudel**. From the Perspective of Global Warming: Alternative Farming Systems and Sustainability. Abstract in *Journal of Agricultural and Applied Economics*, August 2002, Page 367.

10. Ken Paxton, **Krishna P. Paudel**, Eddie Millholon and Jim Rabb. Assessing the Environmental and Economic Benefits of Poultry Litter Application in Crop Production. Abstract in *Journal of Agricultural and Applied Economics*, August 2002, Page 377.
11. **Krishna P. Paudel** and Larry M. Hall. Estimating the Demand for State Park Visits Using a Panel Data Analysis Technique in a Travel Cost Method Framework. Abstract in *Journal of Agricultural and Applied Economics* 35(2003):424.
12. **Krishna P. Paudel** and Hector Zapata. Two Methods of Estimating Semi-parametric Components in the Environmental Kuznets Curve. Abstract in *Journal of Agricultural and Applied Economics* 36,2(2004):512
13. Seon-Ae Kim, Jeff Gillespie, and **Krishna P. Paudel**. The effect of economic factors on the adoption of Best management practices in beef cattle production." Abstract in *Journal of Agricultural and Applied Economics* 36,2(2004):512
14. **Krishna P. Paudel**, Anil Sulgam, Pramod Sambidi, and Yiqian Wang. A comparative assessment of the effect of land tenancy on total factor productivity and total resource productivity. Abstract in *Journal of Agricultural and Applied Economics* 36,2(2004):512
15. **Krishna P. Paudel**, Jim Cruise, Ashutosh Limaye, and Upton Hatch. Economics of optimal water allocation on agriculture in the lower chattahoochee river basin. Abstracts of Papers presented to the American Mathematical Society, Volume 25, 1, 135 (2004):169.
16. Hector Zapata and **Krishna P. Paudel**. Use of Seemingly Unrelated Parametric and Semiparametric Panel Models in the Environmental Kuznets Curve Estimation, Abstract in *Journal of Agricultural and Applied Economics* 37(2005):509.
17. Seon-Ae Kim, Jeff Gillespie and **Krishna P. Paudel**. Count Data Analysis of the Adoption of Best Management Practices in Beef Cattle Production. Abstract in *Journal of Agricultural and Applied Economics*. 37(2005):510.
18. **Krishna P. Paudel** and Hector Zapata, Alejandro Diaz, and Keshav Bhattarai. Carbon dioxide (CO₂) Emissions in Latin America: Looking for the Existence of Environmental Kuznets Curves. Abstract *Journal of Agricultural and Applied Economics* 37(2005):511.
19. Hassan M., **Krishna P. Paudel**, and Mark Schaeffer. Environmental Kuznets Curve Under a New Framework: Role of Social Capital. Abstract *Journal of Agricultural and Applied Economics* 37(2005):511.
20. Obubuafo, Joyce, Jeff Gillespie, Seon-Ae Kim, and **Krishna P. Paudel**. Awareness of EQIP and Subsequent Adoption of BMPs by Cattle Farmers. Abstract *Journal of Agricultural and Applied Economics* 37(2005):509.

21. Gauthier, W. M., **K. P. Paudel**, J. V. Westra, and L. M. Hall. Influence of Cost Share and EQIP Incentive Payments on Adoptions of Best Management Practices by Louisiana Dairy Farmers. *Abstract Journal of Agricultural and Applied Economics* 37(2005):509.
22. Hall, L. M., **K. P. Paudel**, W. M. Gauthier, J. V. Westra, and H. Niu. Determination of BMP Adoption Effectiveness in the Louisiana Dairy Production Region. *Abstract Journal of Agricultural and Applied Economics* 38(2006): 456.
23. Obubuafo, J., J. M. Gillespie, **K. P. Paudel** and S. Kim. Knowledge, Application and Adoption of Best Management Practices by Cattle Farmers under the Environmental Quality Incentives Program – A Sequential Analysis. *Abstract Journal of Agricultural and Applied Economics* 38(2006): 456.
24. Bhattarai, K., and **K.P. Paudel**. Assessing the Feasibility of Broiler Manure Transportation and Application in Crop Production under Environmental Restrictions. *Abstract Journal of Agricultural and Applied Economics* 38(2006): 459.
25. Devkota, N., **K.P. Paudel**, L.M. Hall and R. A. Caffey. Use of Bootstrap Method to Obtain Reliable Estimations on a Travel Cost Demand Model. *Abstract Journal of Agricultural and Applied Economics* 38(2006): 461.
26. **Paudel, K. P.**, W.M. Gauthier, L.M. Hall and J.V. Westra. Willingness to Participate in Dairy Programs to Reduce Manure Related Problems in Louisiana's Major Dairy Production Region. *Abstract Journal of Agricultural and Applied Economics* 38(2006): 465.
27. Qin, Y. and **K.P. Paudel**. Despairing over disparities: willingness to pay and willingness to accept differences among broiler producers in Louisiana. *Abstract Journal of Agricultural and Applied Economics* 38(2006):661.
28. **Paudel, K.P.**, Y Qin, T. Lavargne, and K. Wegenhoft. Adoption of best management practices among poultry producers in Louisiana. *Abstract Journal of Agricultural and Applied Economics* 38(2006):661.
29. Devkota, N., **K. Paudel**, J.M. Fannin, L.M. Hall, and R.H. Caffey. Calibrating online survey sample for economic impact analysis. *Abstract Journal of Agricultural and Applied Economics* 39(2007):423.
30. Devkota, N. and **K. Paudel**. Production Termination as an Alternative to Mitigate Nutrient Pollution. *Abstract Journal of Agricultural and Applied Economics* 41(2009):549.
31. Devkota, N., **K. Paudel** and S. Parajuli. Broiler Producers' Willingness to Pay to Manage Nutrient Pollution. *Abstract Journal of Agricultural and Applied Economics* 41(2009):549.
32. Pandit, M. K.P. Paudel and M.A. Dunn. Analysis of Ranked Ordered Data When There Are Complete and Partial Ranking. *Abstract Journal of Agricultural and Applied Economics* 42(2010):576.
33. Pandit, M, A.K. Mishra and K.P. Paudel. Reasons for Adopting Precision Farming: A Case Study of U.S. Cotton Farmers. *Abstract Journal of Agricultural and Applied Economics* 43(2011):466.

PRESENTATIONS OF SELECTED PAPERS IN PROFESSIONAL MEETINGS

1. Marshall C. Lamb, Neil R. Martin, Jr., **Krishna P. Paudel**, and Chieng Feng Tai. Optimal Variable Input Choice Criteria: An Empirical Application for Peanut Irrigation. Presented at Southern Agricultural Economics Association meetings, Jan 29-Feb 1, 1995, New Orleans, Louisiana.
2. **Krishna P. Paudel** and Neil R. Martin, Jr. Sharecropping Input Decisions: An Efficiency Analysis with Two Enterprises. Presented at the twenty-fifth silver anniversary meeting of Southeast Decision Science Institute, Wilmington, NC, February 23-25, 1995.
3. **Krishna P. Paudel** and Neil R. Martin. Risk and Input Application in Share Tenancy: An Illustration in a Multi-Crop Situation. Presented at the Southern Agricultural Economics Association meeting held in Greensboro, North Carolina, February 3-7, 1996.
4. **Krishna P. Paudel**, Neil R. Martin, Jr., Glenn Wehtze, and Timothy Grey. Evaluation of Input Decision Criteria: An Illustration in Weed Control Practices in Peanut Production. Presented at the Southeast Decision Science Institute meeting held in Charleston, South Carolina, Feb 21-23, 1996.
5. **Krishna P. Paudel**, Neil R. Martin, Jr., Nancy Kokalis-Burelle. Economic Evaluation of Cropping Patterns Based on Policy and Environmental Factors. Presented at the American Agricultural Economics Association meeting in San Antonio, Texas, July 28-31, 1996.
6. **Krishna P. Paudel** and L. Lohr. Dynamic Economic Analysis of a Residue Management System in Cotton. Presented at the American Agricultural Economics Association meeting in Salt Lake City, August 2-5, 1998.
7. **Krishna P. Paudel** and Christopher S. McIntosh. Numeraire Choice in Agricultural Supply Analysis. Presented at American Agricultural Economics Association meeting in Salt Lake City, August 2-5, 1998.
8. **Krishna P. Paudel**. Economics Technology Transfer in Developing Countries: Perspective of International Graduate Students. *Free session organizer, moderator, and presenter* in American Agricultural Economics Association meeting in Salt Lake City, 1998.
9. **Krishna P. Paudel**, L. Lohr, and C. A. Pemberton. Productivity Analysis of Farming Systems: Coconuts in Trinidad and Tobago. Paper presented at the Third Biannual International Productivity meeting held at Athens, GA, October 1998.
10. **Krishna P. Paudel** and Chris McIntosh. Economics of poultry litter utilization and optimal environmental policy for phosphorus disposal in Georgia. Selected paper presented at the SAEA meeting, February 2000, Lexington, KY.
11. **Krishna P. Paudel** and Upton Hatch. Supplemental Irrigation Water Management in the Southeast U.S. Selected paper presented at the SAEA meeting, February 2000, Lexington, KY.
12. **Krishna P. Paudel** and L. Lohr. Meeting the Kyoto Target Through Conservation Tillage and its Implication for Natural Capital Maintenance, Production Efficiency, and Sustainability. Selected paper presented at the XII international conference on Global Warming held in Boston, MA, April 25-28, 2000

13. Upton Hatch and **Krishna P. Paudel**. Sensitivity of Agriculture to Rising Temperature in the Southeast U.S. Selected paper presented at the XII international conference on Global Warming held in Boston, MA, April 25-28, 2000
14. **Krishna P. Paudel** and Upton Hatch. Assessing the Impacts of Global Warming in the Southeast US Agriculture Using Optimization and Economic Forecasting Procedure. Selected paper presented at the American Agricultural Economics Association Meeting, Chicago, Illinois, 2001.
15. Murali Adhikari, **Krishna P. Paudel**, and Neil R. Martin, Jr. An Economic Strategy for Preventing Water Pollution by Using a Transportation Model: A Case of Broiler Litter Management in North Alabama. Selected paper presented at the Association of Alabama Water Associations, Gulfshore, AL, September 2000.
17. Upton Hatch, **Krishna P. Paudel**, and Arlen Smith. Potential Effects of Climate Change on Agricultural Water Use. Selected paper presented at the Alabama Water Association meeting, Gulfshore, AL, September 2000.
18. **Krishna P. Paudel**, Upton Hatch, and Jim Cruise. Supplemental Irrigation Water Management in the Southeast USA. Selected paper presented at the association of Alabama Water Associations, Gulfshore, AL, September 2000.
19. **Krishna P. Paudel**. Economics of Conservation Tillage: Production Efficiency and Sustainability. Seminar Presented at the Fall Seminar Series at the Department of Agricultural Economics and Rural Sociology, Auburn University, October 2000.
20. **Krishna P. Paudel**, Murali Adhikari, and Neil R. Martin, Jr. An Economic Strategy for Preventing Water Pollution Using a Phosphorus Consistent Transportation Model: A Case of Broiler Litter Management. ESOS conference, Baton Rouge, LA, Nov 16-17, 2000.
21. Murali Adhikari, **Krishna P. Paudel**, and Neil R. Martin, Jr. Economics of Dairy Waste Use and Outline of Effective Environmental Policies: a Case of Cross Timber Region of Central Texas. Selected paper presented at the Thirtieth annual meeting of Southeast Decision Sciences Institute, Charlotte, NC, Feb 21-23, 2001.
22. **Krishna P. Paudel**, Ashutosh Limaye, Murali Adhikari, and Neil R. Martin, Jr. An Application of the Phosphorus Consistent Rule for Environmentally Acceptable Cost Effective Management of Broiler Litter in Crop Production. Selected paper presented at the NAREA meeting, Bar Harbour, Maine, June 10-12, 2001.
23. **Krishna P. Paudel**, Ashutosh Limaye, Murali Adhikari, and Neil R. Martin, Jr. Economic Analysis of Broiler Litter Application in Crop Production Based on the Phosphorus Consistent Rule. Selected paper to be presented at the Animal Waste Management meeting in NC, October 2001.
24. **Krishna P. Paudel** and Luanne Lohr. Spatial and Temporal Variations in Organic Matter Development Under Alternate Management Systems and Its Economic Implications for Developing a Sustainable Farming System. Selected paper presented at the Resource Modeling Association World Conference Annual meeting in Logan, Utah, June 27-30, 2001.
25. Upton Hatch and **Krishna P. Paudel**. Hydrologic-economic Evaluation of Use and Value of Irrigation Water. Selected paper presented at the American Water Resource Association Meeting, Snow Bird, Utah, June 27-30, 2001.

26. **Krishna P. Paudel** and Upton Hatch. Assessing the impacts of global warming in the Southeast US agriculture using optimization and economic forecasting procedure. Selected paper presented at the AAEA annual meeting, Chicago, Illinois, August 5-8, 2001.
27. **Krishna P. Paudel**. Comparing alternative forecasting procedures. Selected paper presented at the Southern Agricultural Economics Association Meeting, February 2-6, 2002, Orlando, Florida.
28. Luanne Lohr and Krishna P. Paudel. From the Perspective of Global Warming: Alternative Farming Systems and Sustainability. Selected paper presented at the Southern Agricultural Economics Association Meeting, February 2-6, 2002, Orlando, Florida.
29. Kenneth W. Paxton, Eddie P. Millhollon, **Krishna P. Paudel**, and James L. Rabb. An Economic Analysis of Poultry Litter Use in Louisiana Cotton Production. Beltwide Cotton Conferences, January 8-12, 2002, Atlanta, Georgia.
30. Kenneth W. Paxton, **Krishna P. Paudel**, Eddie P. Millhollon, and James L. Rabb. Assessing the Environmental and Economic Benefits of Poultry Litter Application in Crop Production. Selected paper presented at the Southern Agricultural Economics Association meeting held in Orlando, Florida, February 2-6, 2002.
31. Dwi Susanto and **Krishna P. Paudel**. An empirical test of Environmental Kuznets Curve for water pollution in Louisiana. Presented at the Thirty-Second annual meeting of the Southeast Decision Sciences Institute, Hilton Head, South Carolina, Feb 20-22, 2002.
32. Dwi Susanto and **Krishna P. Paudel**. Economics of coastal area pollution and its association with poverty in Louisiana. Presented at the American Water Resources Association meeting in New Orleans, May 12-14, 2002.
33. **Krishna P. Paudel** and Yiqian Wang. Part time farming, farm productivity, and farm income: Evidence from the Southeast US. Selected paper to be presented at the annual meeting of the AAEA to be held in Long Beach, California, July-August 2002.
34. **Krishna P. Paudel** and Dwi Susanto. An Empirical Test of Environmental Kuznets Curve for Water Pollution Using the Watershed Level Information. Papers to be presented at the SREA-IEG 30 meeting to be held in Mississippi State University, Starkville, MS, May 2002.
35. **Krishna P. Paudel** and Luanne Lohr. Economics of agricultural management practices in light of global warming. Selected Long Paper presented at the Second World Congress of Environmental and Resource Economists, Monterey Bay, California, June 24-27, 2002.
36. **Krishna P. Paudel**, Upton Hatch, Jim Cruise, and Biswo Poudel. Optimal irrigation water management when water supply is endogenous and stochastic. Selected paper presented at the Alabama Water Resource Association meeting, Gulf Shore, AL, September 4-6, 2002.
37. **Krishna P. Paudel** and Larry M. Hall. Estimating the Demand for State Park Visits Using a Panel Data Analysis Technique in a Travel Cost Method Framework. Selected paper presented at the SAEA annual meeting in Mobile, AL, February 2003.

38. Michael A Dunn, Doleswar Bhandari, **Krishna P. Paudel**, Richard Vlosky, and Kurt Guidry. 2003. Louisiana Homeowners' Attitudes and Perceptions Regarding the Formosan Subterranean Termite. Technical Forum Presentation, Forest Products Society Annual Meeting, Seattle, Washington. June 25, 2003.
39. Doleswar Bhandari, **Krishna P. Paudel**, Michael A. Dunn, Rich Vlosky, and Kurt. Guidry. Economic Analyses of Homeowners' Attitudes Toward Formosan Subterranean Termite (FST) Control Programs in Louisiana. Selected paper presented at the American Agricultural Economics Association meeting held in Montreal, Canada, July 27- July 30, 2003.
40. **Krishna P. Paudel**, Upton Hatch, Ashutosh Limaye, and Upton Hatch. Economics of Optimal Water Allocation in Lower Chattahoochee Basin. Invited Paper presented at the American Mathematical Association Meeting, Phoenix, Arizona, January 7-10, 2004.
41. **Krishna P. Paudel** and Hector Zapata. Two Methods of Estimating Semi-parametric Components in the Environmental Kuznets Curve. Selected Paper presented at the Southern Agricultural Economics Association Meeting, Feb 14-Feb 18, 2004, Tulsa, Oklahoma
42. **Krishna P. Paudel**, Pramod Sambini, Anil Sulgam, and Yiqian Yang. A Comparative Effect of Land Tenancy on Total Factor Productivity and Total Resource Productivity. Selected Paper presented at the Southern Agricultural Economics Association Meeting, Feb 14-Feb 18, 2004, Tulsa, Oklahoma
43. Seon-Ae Kim, Jeff Gillespie, and **Krishna P. Paudel**. The effect of economic factors on the adoption of Best management practices in beef cattle production. Selected Paper presented at the Southern Agricultural Economics Association Meeting, Feb 14-Feb 18, 2004, Tulsa, Oklahoma
44. **Krishna P. Paudel**, Anil Sulgam and Pramod Sambini. A Theoretical Development and Empirical Test on the Convergence of Agricultural Productivity in the USA. Selected Paper presented at the American Agricultural Economics Association Meeting, August 1-4, 2004, Denver, Colorado.
45. Madhu Bhattarai, Mike Hamming, **Krishna P. Paudel**. Agricultural and Forest Landuse Changes, and the Environmental Kuznets Curve for Deforestation: An Intertemporal Dynamic Equilibrium. Selected Paper presented at the American Agricultural Economics Association Meeting held on August 1-4, 2004, Denver, Colorado.
46. Seon-Ae Kim, Jeff Gillespie, and **Krishna P. Paudel**. The Effect of Contingent Valuation Format on Producers' BMP Adoption Responses. Selected Paper presented at the American Agricultural Economics Association Meeting held on August 1-4, 2004, Denver, Colorado.

47. A. S. Limaye, **K. Paudel**, J.F. Cruise, F. Musleh, and U. Hatch. Economic Impact of Water Allocation on Agriculture in the Lower Chattahoochee River Basin. Paper Presented at the American Institute of Hydrology Meeting, Atlanta, Georgia, Oct 19-22, 2003
48. Jeff Burke, **Krishna P. Paudel**, and Mike Dunn, Property Rights and Policy Issues in Groundwater Allocation. Selected paper presented at the International Transboundary Water Conference, Tucson, Arizona, Nov 16-19, 2004
49. **Krishna P. Paudel**, Mike Dunn, Doleswar Bhandari, Rich Vlosky, and Kurt Guidry. A Comparison of Efficiency of Alternative Methods to Analyze the Ranked Order Data. Southern Econ Association Annual meeting/ AERE session, Nov 19-22, 2004, New Orleans, LA.
50. **Krishna P. Paudel**, Mike Dunn, Doleswar Bhandari, Rich Vlosky, Kurt Guidry. Explaining the Discrepancies between Real and Hypothetical Willingness to Pay Values: Information Effect on a Threshold Good. Southern Econ Association Annual Meeting/ AERE session, Nov 21-23, 2004, New Orleans, LA.
51. **Krishna P. Paudel** and Dwi Susanto. Dynamic economic analysis of poultry litter application when water quality is constraint. SERA-IEG 30 meeting 2003, May 2003, Lexington, KY.
52. **Krishna P. Paudel**, Rex Caffey, Nirmala Devkota, Larry M Hall. Factors affecting the existence, bequest, and option values in recreational site visits. SERA-IEG 30 meeting, Baton Rouge, LA, May 2004.
53. Seon-Ae Kim, Jeff Gillespie, and **Krishna P. Paudel**. Why do farmers not adopt BMPs in Cattle Production? SERA-IEG 30 Meeting, May 2004, Baton Rouge, LA 70803.
54. **Krishna P. Paudel** and Hector Zapata. Use of Seemingly Unrelated Parametric and Semiparametric Panel Models in the Environmental Kuznets Curve Estimation. Southern Agricultural Economics Association Annual Meeting, Selected paper, Feb 5-9, 2005, Little Rock, AR
55. Seon-Ae Kim, Jeff Gillespie and **Krishna P. Paudel**. Count Data Analysis of the Adoption of Best Management Practices in Beef Cattle Production. Southern Agricultural Economics Association Annual Meeting, Selected paper, Feb 5-9, 2005, Little Rock, AR.
56. **Krishna P. Paudel** and Hector Zapata, Alejandro Diaz, and Keshav Bhattarai. Carbon dioxide (CO₂) Emissions in Latin America: Looking for the Existence of Environmental Kuznets Curves. Southern Agricultural Economics Association Annual Meeting, Selected paper, Feb 5-9, 2005, Little Rock, AR

57. Hassan M., **Krishna P. Paudel**, and Mark Schaeffer. Environmental Kuznets Curve Under a New Framework: Role of Social Capital. Southern Agricultural Economics Association Annual Meeting Selected paper, Feb 5-9, 2005, Little Rock, AR
58. **Krishna P. Paudel**, Jeff Burke, and Mike Dunn. Extraction of Transboundary Ground Water Resources Under Alternative Ownerships and Regulatory Scenarios. Presented at the NRM meeting in Melbourne, Australia, December 12-15, 2004.
59. Mike Dunn, **Krishna P. Paudel**, Doleswar Bhandari, Rich Vlosky, and Kurt Guidry. Invasive Species Control and Hypothetical Bias: Information Effect on a Threshold Good. Selected paper presented at the NRM meeting in Melbourne, Australia, December 12-15, 2004.
60. **Krishna P. Paudel**, Mike Dunn, Doleswar Bhandari, Rich Vlosky, and Kurt Guidry. A Comparison of Efficiency of Alternative Estimation Methods to Analyze Ranked Order Data. Selected paper presented at the NRM meeting in Melbourne, Australia, December 12-15, 2004.
61. **Krishna P. Paudel**, Mike Dunn, and Jeff Burke. Optimal extraction of groundwater under alternative market scenarios: case of the Sparta aquifer. Paper Presented at the W-1133 meeting Feb 14-15, 2005, Salt Lake City, Utah
62. **Krishna P. Paudel** and Hector Zapata, Keshav Bhattarai, and Alejandro Diaz. Carbon dioxide (CO₂) Emissions in Latin American Countries: Examining the Existence of Environmental Kuznets Curves. Selected paper presented at the Latin American and Caribbean Association of Environmental and Resource Economists, Oaxaca, Mexico, March 18-20, 2005.
63. **Krishna P. Paudel**, Hector Zapata, Mark Schaffer, and Hassan Margiozhi. Does Social Capital Have a Role in Environmental Kuznets Curve? Spatial Panel Regression Approach. Selected paper AAEA meeting, Providence, RI, July 24-27, 2005.
64. Hector Zapata and **Krishna P. Paudel**. Nonstationarity in the Specification of the Environmental Kuznets Curve." Selected paper AAEA meeting, Providence, RI, July 24-27, 2005.
65. Larry Hall, **Krishna P. Paudel**, Wayne Gauthier, John Westra, Huizhen Niu, and Keshav Bhattarai. Integrating Survey Information and GIS Modeling Approach to Develop an Optimal Decisionmaking Tool for Controlling Water Pollution in the Louisiana Dairy Production Region. Selected paper presented at the SERA 30 annual meeting in Tallahassee, Florida, 2005.
66. Nirmala Devkota, **Krishna P. Paudel**, Larry Hall, and Rex H. Caffey. The Count Data Analysis of Coastal Recreation Visits in Elmer's Island. Selected paper presented at the SERA 30 annual meeting in Tallahassee, Florida, 2005.

67. Nirmala Devkota, **Krishna P. Paudel**, Larry Hall and Rex H. Caffey. Multinomial Logit for Recreational Choice Modeling: The Case of Elmer's Island. Selected paper presented at the SERA 30 annual meeting in Tallahassee, Florida.
68. **Krishna P. Paudel** and Luanne Lohr. Economic Analysis of Productivity and Efficiency Gains from a Long-Term Soil Organic Matter Buildup in Cotton Management Systems. Selected paper presented at International Policy Forum on Greenhouse Gas Management April 28 & 29 , 2005 Victoria, British Columbia, Canada.
69. Nirmala Devkota, **Krishna P. Paudel**, Larry Hall, and Rex Caffey. Use of Bootstrap Method To Obtain Reliable Parameter Estimations On A Travel Cost Demand Model. Selected Paper presented at the SAEA meeting in Orlando, Florida, Feb 4-8, 2006.
70. **Krishna P. Paudel**, Wayne Gauthier, John Westra, and Larry Hall. Willingness to Accept Payment to Participate in Dairy Programs to Reduce Manure Related Problems in Louisiana's Major Dairy Production Region. Selected Paper presented at the SAEA meeting in Orlando Florida, Feb 4-8, 2006.
71. Larry Hall, **Krishna P. Paudel**, Wayne Gauthier, John Westra, and Jane Niu. Determination of BMP Adoption Effectiveness in the Louisiana Dairy Production Region. Selected Paper presented at the SAEA meeting in Orlando Florida, Feb 4-8, 2006.
72. Keshav Bhattarai and **Krishna P. Paudel**. Assessing the feasibility of Broiler Manure Transportation and Application in Crop Production under Environmental Restrictions. Selected Paper presented at the SAEA meeting in Orlando Florida, Feb 4-8, 2006.
73. **Krishna P. Paudel**, Theresia Lavargne, and Ken Wegenhoft. Adoption of Best Management Practices among Poultry Producers in Louisiana. Selected Paper presented at the SAEA meeting in Orlando, Florida, Feb 4-8, 2006.
74. Joyce O, Jeff Gillespie, **Krishna P. Paudel** and Seon-Ae Kim. Adoption of BMPs Under EQIP by Cattle Farmers - A Sequential Analysis. Selected Paper presented at the SAEA meeting in Orlando, Florida, Feb 4-8, 2006.
75. Nirmala Devkota, J Matthew Fannin, **Krishna P. Paudel**, Larry Hall and Rex Caffey. Calculating Regional Impacts of Recreation Using Bootstrap Technique. Selected paper presented at the AAEA meeting, Long Beach, California, July 23-26, 2006.
76. **Krishna P. Paudel**, Doleswar Bhandari and Tim Johnson. Does Social Capital Have a Role in Environmental Kuznets Curve Estimation? Selected paper presented at the AAEA meeting, Long Beach, California, July 23-26, 2006.
77. **Krishna P. Paudel**. Willingness to Pay and Willingness to Accept Differences among Broiler Producers in Louisiana. SERA 30 meeting, Auburn University, May 2006

78. **Krishna P. Paudel** and Michael A Dunn. Developing a Practical Decision Analysis Tool for Managing Invasive Species Proliferation Under Uncertainty Using a System of Dynamic Models: The Case of Formosan Subterranean Termites in Louisiana. Resource Modeling Association World Conference, Bergen, Norway, June 2006.
79. Nirmala Devkota, **Krishna P. Paudel**, Matt Fannin, Larry Hall and Rex Caffey. Calibrating Online Survey Sample for Economic Impact Analysis. Selected paper presented at the Southern Agricultural Economics Association, Mobile, Alabama, February 2007.
80. **Krishna P. Paudel** and Nirmala Devkota. Factors Affecting the Decision to Adopt and Continue Best Management Practices by Broiler Producers. Selected paper, AAEA meeting, Portland, OR, July 2007.
81. Larry Hall, **Krishna P. Paudel**, Wayne Gauthier, and John Westra. Decision to Adopt and Exit Best Management Practices by Dairy Farmers. Selected paper, AAEA meeting, Portland, OR, July 2007.
82. **Krishna P. Paudel** and Mike Dunn. Optimal Allocation of Shared Ground Water: A Case of Sparta Aquifer in Louisiana. Selected paper presented at the CNREP/SERA-30 joint meeting in New Orleans, LA, May 2007.
83. Junpyo Hong, **Krishna P. Paudel** and Mike Dunn. A Spatial Model of Formosan Subterranean Termite Spread and Infestation in Louisiana. Selected paper presented at the CNREP/SERA-30 joint meeting in New Orleans, LA, May 2007.
84. **Krishna P. Paudel** and Keshav Bhattarai. A GIS-based Economic Model for Optimal Use of Broiler Litter as Crop Nutrients in Louisiana. Selected paper presented at the CNREP/SERA-30 joint meeting in New Orleans, LA, May 20-23, 2007.
85. **Krishna P. Paudel**, Augustus Moeneke, Junpyo Hong, and Mike Dunn. Dynamic Simulation Model of Formosan Subterranean Termite Infestation and Control under Alternative Treatment Regimes. Selected paper presented at the Resource Modeling Association, World Conference, Cape Cod, MA, June 19-22, 2007.
86. Ram Acharya, Paul Gentle, Ashok Mishra and **Krishna P. Paudel**. Examining the CRB index as an indicator for U.S. inflation. Selected paper presented at the Southern Ag Econ Association Meeting in Dallas, TX, 2008.
87. Ashok Mishra and **Krishna P. Paudel**. Policy Reform and Off-farm Labor Supply by Operators in the Delta Region: A Semiparametric Approach. Selected paper presented at the Southern Ag Econ Association Meeting in Dallas, TX, 2008.

88. **Krishna P. Paudel**, Mike Dunn, Doleswar Bhandari, Kurt Guidry, and Rich Vlosky. Preference for alternative termite control methods among Louisiana Households, Paper presented at the organized symposium, Southern Ag Econ Association Meeting, Dallas, TX, 2008.
89. **Krishna P. Paudel**, Keshav Bhattarai, Biswo Poudel. A remote sensing based economic model of deforestation. Selected paper presented at the international meeting of the Resource Modeling Association in Warsaw, Poland, June 15-18, 2008.
90. Larry Hall and **Krishna P. Paudel**. Modeling a complex system: point and nonpoint sources trading to reduce water pollution in Louisiana. Resource Modeling Association meeting in Anchorage, Alaska, June 17-19, 2009.
91. Larry Hall and **Krishna P. Paudel**. Modeling a complex system using a GIS-based biophysical simulation model. Resource Modeling Association meeting in Anchorage, Alaska, June 17-19, 2009.
92. **Krishna P. Paudel**, Biswo Poudel, Mahesh Pandit, Mike Dunn. Analysis of Rank Ordered Data. Selected paper presented at the AAEA meeting in Milwaukee, Wisconsin, July 26-29, 2009.
93. Mahesh Pandit, **Krishna P. Paudel** and Mike Dunn. Analysis of Rank Ordered Data when there are Partial and Complete Rankings. Selected Paper presented at the SAEA meeting, Orlando, Florida, February, 2010.
94. **Krishna P. Paudel**, Keshav Bhattarai, and Doleswar Bhandari. Use of Poultry Litter and Other Biomass in Electricity Production and Its Implication for Economic Development. Selected paper presented at the AAEA meeting in Denver, CO, July 23-27, 2010.
95. **Krishna P. Paudel**, Biswo Poudel, Nirmala Devkota. Adoption of Best Management Practices by Broiler Producers: A Duration Analysis. Invited Paper, EEN Conference, Canberra, Australia, November 2010.
96. **Krishna P. Paudel**. Is Production Termination a Good Pollution Control Alternative? An Assessment of Willingness to Accept Values by Broiler Producers, Presented at the W2133 meeting, Feb 23-25, 2011, Albuquerque, New Mexico.
97. Pandit, Mahesh; Mishra, Ashok K.; **Paudel, Krishna P.**; Larkin, Sherry L.; Rejesus, Roderick M.; Lambert, Dayton M.; English, Burton C.; Larson, James A.; Velandia, Margarita M.; Roberts, Roland K.; Kotsiri, Sofia. Reasons for Adopting Precision Farming: A Case Study of U.S. Cotton Farmers. Selected paper presented at the SAEA meeting, Corpus Christi, TX, February 2011.

98. **Krishna P. Paudel**, Mahesh Pandit and Biswo Poudel. Test of Convergence in Agricultural Factor Productivity: A Semiparametric Approach. AAEA meeting, Pittsburgh, PA, July 24-26, 2011.
99. **Krishna P. Paudel**, Mahesh Pandit, Ashok Mishra, and Eduardo Segarra. Why don't farmers adopt precision farming technologies? Selected Paper presented at the AAEA meeting, Pittsburgh, PA, July 24-26, 2011.
100. *Sarker*, B. R., *Paudel*, K. P., and Wu, B. Renewable energy generation: Plant locations and biomass supply chain problems," INFORMS meeting, Charlotte, NC, November 13-16, 2011.
101. **Krishna P. Paudel** and Biswo Poudel, Invited Paper. Functional form of Water Pollutants-Income Relationship under the Environmental Kuznets Curve Framework. ASSA meeting, Chicago, IL, January 2012.
102. Mahesh Pandit, **Krishna P. Paudel**, and Roger Hinson. *Intensity of Integrated Pest Management (IPM) Practices Adoption by U.S. Nursery Crop Producers*. AAEA meeting, Seattle, Washington, August 12-14, 2012.
103. Mahesh Pandit, **Krishna P. Paudel**, Ashok Mishra and Eduardo Segarra. *Adoption and Nonadoption of Precision Farming Technologies by Cotton Farmers*. AAEA meeting, Seattle, Washington, August 12-14, 2012.
104. Mahesh Pandit, **Krishna P. Paudel**, Roger Hinson. Market Channel Analysis of Ornamental Plants using Clustering Procedures. Southern Agricultural Economics Association, Annual Meeting, February 2-5, 2013, Orlando, Florida.
105. Mahesh Pandit, **Krishna P. Paudel**, Roger Hinson. Irrigation Water Sources and Irrigation Application Methods Used By U.S. Nursery Producers. Southern Agricultural Economics Association, 2013 Annual Meeting, February 2-5, 2013, Orlando, Florida.
106. Krishna P. Paudel and Frank Tsai. Economic Issues Related to Groundwater in Louisiana. Selected paper presented at the CNREP meeting, March 26-28, 2013, New Orleans, LA.
107. Mahesh Pandit and Krishna P. Paudel. A review of semiparametric method used in EKC analysis. Selected paper presented at the CNREP meeting, March 26-28, 2013, New Orleans, LA.
108. Mahesh Pandit and Krishna P. Paudel. Seemingly unrelated regression of water pollution in Louisiana. Selected paper presented at the CNREP meeting, March 26-28, 2013, New Orleans, LA.

109. Sofia Kostari, **Krishna P. Paudel**, et al. Environmentally Responsible versus Profit Oriented Farmers: Evidence from Precision Technologies in Cotton Production. Southern Agricultural Economics Association, Annual Meeting, February 2-5, 2013, Orlando, Florida.
110. Deborah Williams, **Krishna P. Paudel**, and Mahesh Pandit. Remittance and Conservation Technology Adoption. Selected paper presented at the AAEA meeting, Washington D.C., August 2013.
111. Bryan Gottshall and **Krishna P. Paudel**. Assessing the Efficiency of Alternative Best Management Practices to Reduce Nonpoint Source Pollution in the Broiler Production Region of Louisiana. Selected paper presented at the AAEA meeting, Washington D.C., August 2013.
112. Mahesh Pandit, **Krishna P. Paudel**, and Deborah Williams. Effect of Remittance on Intensity of Agricultural Technology Adoption in Nepal. Selected paper presented at the SAEA meeting, Dallas, TX, February 2014.
113. Ramesh Ghimire, Gary T. Green, **Krishna P. Paudel**, Neelam C. Poudyal, and Ken H. Cordell. Evaluation of the Importance of Site Characteristics on Freshwater-Based Recreations in the United States. Selected paper presented at the SAEA meeting, Dallas, TX, February 2014.
114. **Krishna P. Paudel**, Cynthia Lin, and Mahesh Pandit. Environmental Kuznets Curve for Water Quality Parameters at Global Level. Selected paper presented at the SAEA meeting, Dallas, TX, February 2014.
115. Madhav Regmi, **Krishna P. Paudel**, and Deborah Williams. Migration and Remittance and Their Impacts on Food Security in Nepal. Selected paper presented at the SAEA meeting, Dallas, TX, February 2014.
116. Bijay Pokhrel and **Krishna P. Paudel**. Assessing the Efficiency of Alternative Best Management Practices to Reduce Nonpoint Source Pollution in the Saline Bayou Watershed, Louisiana. Selected paper presented at the Southern Agricultural Economics Association Annual Meeting, January 31-February 3, 2015, Atlanta, Georgia.
117. **Krishna P. Paudel**, Madhav Regmi, Ashok Mishra, Dayton M. Lambert, and Jeanne Reeves. Bundling and Adoption of Precision Agriculture Technologies by Cotton Farmers. Selected paper presented at the Southern Agricultural Economics Association Annual Meeting, January 31-February 3, 2015, Atlanta, Georgia.
118. Madhav Regmi and **Krishna P. Paudel**. Impact of Migration and Remittance on Food Security in Bangladesh. Selected paper presented at the Southern Agricultural Economics Association Annual Meeting, January 31-February 3, 2015, Atlanta, Georgia.

119. Bijay Pokhrel, **Krishna P. Paudel**, and Eduardo Segarra. Factors Affecting the Choice, Intensity, and Allocation of Irrigation Technologies by U.S. Cotton Farmers. Selected paper presented at the Southern Agricultural Economics Association Annual Meeting, February 6-9, 2016, San Antonio, Texas.
120. **Krishna P. Paudel**, Doleswar Bhandari, Frank Tsai, and Matt Fannin. Assessing the economic impacts of salt water intrusion in an aquifer: a case of the Mississippi River Valley Alluvial Aquifer, Louisiana. Selected paper presented at the Southern Agricultural Economics Association Annual Meeting, February 6-9, 2016, San Antonio, Texas.
121. Tej Gautam and **Krishna P. Paudel**. The demand for electricity and natural gas in the Northeastern United States. Selected paper presented at the Southern Agricultural Economics Association Annual Meeting, February 6-9, 2016, San Antonio, Texas.
122. Seydina Sene, **Krishna P. Paudel** and Timothy A. Park. The Changing Structure of Retail Food Stores, Direct Marketing (DM) and Its Impact on Farmers' Financial Performance. Selected paper presented at the Agricultural and Applied Economics Association (AAEA) Annual Meeting, July 31- August 2, 2016, Boston, Massachusetts.
123. **Krishna P. Paudel** and Bijay K. Pokhrel. Assessing the Efficiency of Alternative Best Management Practices to Reduce Nonpoint Source Pollution in the Mississippi-Atchafalaya River Basin (MARB). Selected paper presented at the Agricultural and Applied Economics Association (AAEA) Annual Meeting, July 27-29, 2014, Minneapolis, Minnesota.
124. Madhav Regmi, **Krishna P. Paudel**, and Ashok Mishra. Impact of Remittance on Food Security in Bangladesh. Selected Paper prepared for presentation at the Southern Agricultural Economics Association (SAEA) Annual Meeting, Atlanta, Georgia, February 1-4, 2015.
125. Meishan Jiang, **Krishna P. Paudel**, and Yunsheng Mi. Rural Land Transfer and Financial Impact: Evidence from China." Selected paper presented at the Southern Agricultural Economics Association Annual Meeting, February 4-7, 2017, Mobile, Alabama.
126. Tej Gautam, **Krishna P. Paudel**, and Kurt Guidry. Willingness to Pay for Irrigation Water in Louisiana. Selected Paper presented at the Southern Agricultural Economics Association Annual Meeting, February 4-7, 2017, Mobile, Alabama.
127. Ying Tan, Wenbiao Sha, and **Krishna P. Paudel**. The Impact of Monetary Policy on Agricultural Price Index in China: A FAVAR Approach. Selected paper presented at the

- Southern Agricultural Economics Association Annual Meeting, February 4-7, 2017, Mobile, Alabama.
128. Fengbo Chen, **Krishna P. Paudel**, and Wenbin Huang. Peasants' Willingness to Pay or Accept for the Land Renting Price in China - Market or Household Characteristics Affect More? Selected paper presented at the AAEA Annual Meeting, July 2017, Chicago, Illinois.
 129. **Krishna P. Paudel**, Timothy Park, and Mahesh Pandit. U.S. Farmers' Decision to Choose Direct Sales Channel: A Fractional Seemingly Unrelated Semiparametric Model. Selected paper presented at the AAEA Annual Meeting, July 2017, Chicago, Illinois.
 130. Fan Yang, **Krishna P. Paudel**, Tianhui Zhuang, Kun Li. Multidimensional Poverty Measurement of Farmers and Herdsmen in China. Selected paper presented at the Southern Agricultural Economics Association Meeting, February 4-6, 2018, Jacksonville, Florida.
 131. Biliang Luo, Wenjue Zhu, **Krishna P. Paudel**, and Kai Liu. The Influence of Agricultural Infrastructure on Land Titling Policy in China. Selected paper presented at the Southern Agricultural Economics Association Meeting, February 4-6, 2018, Jacksonville, Florida.
 132. Wenjue Zhu, Biliang Luo, **Krishna P. Paudel**. Farmland Lease, High-Rent Threat, and Contract Instability: Evidence from China. Selected paper presented at the Southern Agricultural Economics Association Meeting, February 4-6, 2018, Jacksonville, Florida.
 133. Dependra Bhatta and **Krishna P. Paudel**. Adoption Intensity of Water Conservation Technologies in Nepal. Selected paper presented at the Southern Agricultural Economics Association Meeting, February 4-6, 2018, Jacksonville, Florida.
 134. Mohammad Hasan, **Krishna P. Paudel**, Humnath Bhandari, and Maria Bampasidou. Rice Production Self-Sufficiency in Bangladesh: Role of Technology, Plot, and Farmer. Selected paper presented at the Southern Agricultural Economics Association Meeting, February 4-6, 2018, Jacksonville, Florida.
 135. Timothy Park and **Krishna P. Paudel**. Factors Affecting Farmers' Decisions to Use Direct Sales Channels. Selected paper presented at the Southern Agricultural Economics Association Meeting, February 4-6, 2018, Jacksonville, Florida.
 136. Wenjie Zhu, Biliang Luo, and **Krishna P. Paudel**. The Influence of Land Titling Policy on the Rural Labor Migration to City: Evidence from China. AAEA meeting, August 2-5, 2018, Washington, D.C.

137. Wenjie Zhu, Biliang Luo, **Krishna P. Paudel**, Kai Liu. The Influence of Land Titling Policy on the Disparity between Willingness to Accept and Willingness to Pay Values. Southern Economics Meeting, November 18-20, 2018, Washington, D.C.
138. Hongtao Hu, **Krishna P. Paudel**, and Ying Tan. Did the Environmental Protection Index Policy Implementation Reduce Air/Water Pollution in Chinese Cities: An Assessment using a Synthetic Control Method. Paper presented at the Southern Economics Meeting, November 18-20, 2018, Washington, D.C.
139. Dependra Bhatta, **Krishna P. Paudel**, and Frank Tsai. Groundwater extraction and allocation when there are stock externalities. Paper presented at the Louisiana Water Resources Research Institute meeting, March 27-28, 2018, Baton Rouge, Louisiana.
140. Rajan Dhakal and **Krishna P. Paudel**. Economic Impacts of Groundwater Salinity in Louisiana. Paper presented at the Southern Agricultural Economics Association, February 2-5, 2019.
141. Santosh Pathak, Hari Krishna Panta, Thaneshwar Bhandari, Arun KC, and **Krishna P. Paudel**. Flood Impact, Adaptation, and Ways Forward- A Case from Nepal. Paper presented at the Southern Agricultural Economics Association, February 2-5, 2019.
142. Zhaohui Yang, **Krishna P. Paudel**, and Xiaowei Wen. Factors Influencing New Farmers' Quality and Safety Behavior of Fresh Agricultural Products in the Social Media Environment. Paper presented at the Southern Agricultural Economics Association, February 2-5, 2019.
143. Siyu He, **Krishna P. Paudel**, and WeiZhong Zeng. Dam, Forced Relocation, and Poverty: Vulnerability Assessment of the Displaced People. Paper presented at the Southern Agricultural Economics Association, February 2-5, 2019.
144. Kai Liu, **Krishna P. Paudel**, and Mingzhong Luo. The Influence of Land Titling Policy on Peasant Households' Land Disposal Behavior: A Seemingly Unrelated Fractional Semiparametric Model. Paper presented at the Southern Agricultural Economics Association, February 2-5, 2019.
145. Tej Gautam and **Krishna P. Paudel**. Dynamics of Natural Gas Consumption in Residential Sector Using Error Correction Methods. Paper presented at the Southern Agricultural Economics Association, February 2-5, 2019.
146. Fan Yang, **Krishna P. Paudel**, Wanqing Sang, Tianhui Zhuang, and Weizhong Zeng. Nutrition, Multidimensional Poverty, and Income Paper presented at the Southern Agricultural Economics Association, February 2-5, 2019.

147. Yang Fan and **Krishna P. Paudel**. Intergenerational poverty. Selected paper presented at the AAEA meeting, Atlanta, July 20-23, 2019.
148. Wenjue Zhu, Biliang Luo, and **Krishna P. Paudel**. Getting Big Ain' Easy: Multifactor Allocation in Farmland Expansion in China. Selected paper presented at the AAEA meeting, Atlanta, July 20-23, 2019.
149. Siyu He and **Krishna P. Paudel**. Social Network and Poverty. Selected paper presented at the AAEA meeting, Atlanta, July 20-23, 2019.
150. Lijun Zeng, Junyi Wan, and **Krishna P. Paudel**. Substitution or Complement: How do Contractual and Relational Governance Affect Chinese Farmer Cooperative Members' Organizational Commitment? Selected paper presented at the SAEA meeting in Louisville, Kentucky, February 1-4, 2020.
151. Zuocheng Chen, Rongqing Zheng, and **Krishna P. Paudel**. Can Foreign Direct Investment Promote Energy Conservation and Emission Reduction in China? Selected paper presented at the SAEA meeting in Louisville, Kentucky, February 1-4, 2020.
152. Yan Liu, YunJia Zheng, and **Krishna P. Paudel**. Factors Influencing Farmers' Willingness to Mortgage Loan on Land Contractual Rights in China. Selected paper presented at the SAEA meeting in Louisville, Kentucky, February 1-4, 2020.
153. Tej K. Gautam, Sarah Kogoya, and **Krishna P. Paudel**. Estimating Willingness to Pay for Climate Smart Agriculture Technology Adoption in Eastern Uganda: Evidence from Household Survey Data. Selected paper presented at the SAEA meeting in Louisville, Kentucky, February 1-4, 2020.
154. Le Wen and **Krishna P. Paudel**. The Temporariness of Migrations and Household Consumption in China. Selected paper presented at the SAEA meeting in Louisville, Kentucky, February 1-4, 2020.
155. Yali Han, Junyi Wan, and **Krishna P. Paudel**. The Impact of the Five-Year Plan on the Development of Agricultural Quality and Regional Difference Analysis. Selected paper presented at the SAEA meeting in Louisville, Kentucky, February 1-4, 2020.
156. Min Shi, **Krishna P. Paudel**, and Fengbo Chen. Did Mechanization Improve Small Farmers' Efficiency? Selected paper presented at the SAEA meeting in Louisville, Kentucky, February 1-4, 2020.

157. **Krishna P. Paudel** and Jane Niu. Using GIS to Optimally Locate Biobased Electricity Plants. Selected paper presented at the ESRI conference in San Jose, California, June 13-16, 2020.
158. Dependra Bhatta, **Krishna P. Paudel**, and Frank Tsai. Impacts of Conservation Policy and Water Saving Technology on Irrigation Energy Cost in the Mississippi River Alluvial Aquifer (MRAA). Selected paper presented at the AAEA meeting in Kansas City, Missouri, August 10-11, 2020 (Virtual presentation).
159. Le Wen and **Krishna P. Paudel**. The Power of Securing Property Rights: Evidence from China's Land Titling Program. AAEA meetings, Summer 2022.
160. Biswo Poudel, **Krishna P. Paudel**, and Archana Timsina. Resource Extraction and Externality. Resource Modeling Association, Summer 2022.
161. Le Wen and **Krishna P. Paudel**. The Puzzle of Land Transfer: New Evidence from China's Temporary Migration. Southern Agricultural Economics Association meeting, February 2022.
162. Jim Davis, **Krishna P. Paudel**, Anil Rupasingha. Effects of the USDA Rural Development Water and Waste Disposal Loan and Grant Program on Rural Water Quality and Local Businesses. AAEA meetings, Summer 2023.
163. James Davis, Robert Dinterman, **Krishna P. Paudel**, and Anil Rupasingha. Can Government Program Improve Water Quality and Local Businesses in Rural Areas? Evidence from USDA Rural Development's Loan and Grant Program. SAEA meetings, Atlanta. Feb 2024.
164. Gaurab Aryal, Andrew Keller, **Krishna P. Paudel**. Comprehensive Analysis of Consolidation Effects in the US Hog Industry. SAEA meetings, Atlanta. Feb 2024.
165. **Krishna P. Paudel**, Madhu Bhattarai, Archana Timsina, and Stephen Devadoss. Deforestation and Agriculture. WCNRM 2024. New Haven, Connecticut, June 2024.
166. Andrew Keller and **Krishna P. Paudel**. Producer-Owned Meat Processing Plants and Their Impacts on Market Concentration in the U.S. Hog Slaughter Industry: An Empirical Approach. SAEA meetings, Irving, Texas, Feb 2025.
167. Andrew Keller and **Krishna P. Paudel**. Who Stays and Who Leaves: Understanding U.S. Meat Processing Plants. SAEA meetings, Irving, Texas, Feb 2025.
168. Shankar Ghimire, Kul Kapri, **Krishna P. Paudel**, and Deborah Williams. Migration, Remittance, and Household Education Expenditure: Evidence from Nepal. SAEA

meetings, Irving, Texas, Feb 2025.

169. Jim Davis, **Krishna P. Paudel**, and Anil Rupasingha. The Role of Income and Policy on Water Pollution in the United States. SAEA meetings, Irving, Texas, Feb 2025.

POSTER PRESENTATIONS

1. **Krishna P. Paudel** and Luanne Lohr. Natural capital maintenance in four residue management systems in cotton. Selected poster presented at the American Association of Agricultural Economics (AAEA) meeting held in Tampa, 2000.
2. Murali Adhikari, **Krishna P. Paudel**, and Neil R. Martin, Jr. Economics of Dairy Waste Use and Outline of Effective Environmental Policies to Overcome the Dairy Manure Related Problems. Selected poster presented at the AAEA meeting held in Chicago, Illinois, 2001.
3. Murali Adhikari, **Krishna P. Paudel**, and Neil R. Martin, Jr. An Evaluation of an Economic Strategy for Preventing Water Pollution Using a Phosphorus Consistent Transportation Model: A Case of Broiler Litter Management. Selected Poster presented at the AAEA meeting held in Chicago, Illinois, 2001.
4. Upton Hatch, **Krishna P. Paudel**, and Jim Cruise. Intra-seasonal Water Allocation Decisions During water Deficit Periods in Humid Regions. Selected Poster presented at the AAEA meeting held in Chicago, Illinois, 2001.
5. Jeff Burke, Michael A. Dunn, and **Krishna P. Paudel**. 2004. Property Rights and Policy Issues in Groundwater Allocation. Center for Natural Resource Economics and Policy conference entitled *Challenges of Socioeconomic Research in Coastal Systems: Valuation, Analysis, and Policy Development*. Baton Rouge, Louisiana: Louisiana State University. May 27-28, 2004.
6. Nirmala Devkota, **Krishna P. Paudel**, Matt Fannin, Larry Hall, and Rex Caffey. Can Web-based Surveys be employed in Empirical Studies? Selected poster presented at the AAEA meeting, Portland, OR, July 2007.
7. Michael A. Dunn, Doleswar Bhandari, **Krishna P. Paudel**, Richard Vlosky, and Kurt Guidry. 2004. Louisiana Homeowners' Attitudes and Perceptions Regarding the Formosan Subterranean Termite. Center for Natural Resource Economics and Policy conference entitled *Challenges of Socioeconomic Research in Coastal Systems: Valuation, Analysis, and Policy Development*. Baton Rouge, Louisiana: Louisiana State University. May 27-28, 2004.
8. Suniti Bhattarai, **Krishna P. Paudel**, Nirmala Devkota. Two measures of compensation: A field study of the factors causing differences between willingness to pay and willingness to accept among broiler producers. Selected poster presented at the AAEA meeting, Portland, OR, July 2007.

8. **Krishna P. Paudel**, Mahesh Pandit, and Mike Dunn. Analysis of Ranked Ordered Data Using a Spectral Analysis Model. EEN Conference, Canberra, Australia, November 2010.
9. **Krishna P. Paudel**, Mahesh Pandit, and Mike Dunn. A Mixture of Experts Model to Explain Households' Choice Patterns for Termite Control Options in Louisiana. AAEA meeting, Pittsburgh, PA, July 2011.
10. Mahesh Pandit, **Krishna P. Paudel**, Ashok Mishra, and Eduardo Segarra. Precision Farming Technology Adoption in Cotton Farming: Duration Analysis. AAEA meeting, Pittsburgh, PA, July 2011.
11. Aditya Khanal, Ashok Mishra, Dayton Lambert, and **Krishna P. Paudel**. A Bayesian Analysis of GPS Guidance System in Precision Agriculture: The Role of Expectations. Selected poster presented at the SAEA meeting, Orlando, Feb 2013.
12. Mahesh Pandit and **Krishna P. Paudel**. Environmental Kuznets Curve: Stock and Flow Water Pollutants, AAEA meeting, Washington DC, August 2013.
13. Brian Gotshall, **Krishna P. Paudel**, and H. Niu. Water Pollution in Broiler Production Region of Louisiana. CNREP meeting, New Orleans, March 2013.
14. Biswo Poudel and Krishna P. Paudel. How Well is the Relationship Between Poaching and Education Understood? Selected poster presented at the Agricultural and Applied Economics Association (AAEA) Annual Meeting, July 26-28, 2015, San Francisco, California.
15. Madhav Regmi, Krishna P. Paudel, Aditya Khanal, Krishna Koirala. Consumption Pattern of Rural and Urban Households in Namibia: A Quantile Regression Approach. Selected paper presented at the Southern Agricultural Economics Association Annual Meeting, January 31-February 3, 2015, Atlanta, Georgia.
16. Tej Gautam, Krishna P. Paudel, and Kurt Guidry. Willingness to pay and willingness to accept value for irrigation water in Louisiana. Selected poster presented at the Agricultural and Applied Economics Association (AAEA) Annual Meeting, July 31- August 2, 2016, Boston, Massachusetts.
17. Tej Gautam, Krishna P. Paudel, and Kurt Guidry. Irrigation Scheduling in Crop Production in Louisiana. Selected poster presented at the Agricultural and Applied Economics Association (AAEA) Annual Meeting, July 31- August 2, 2017, Chicago, Illinois.
18. Krishna P. Paudel, Huizhen Niu, Qiuzhuo Ma, and Doleswar Bhandari. Identifying the Optimal Location for Poultry Litter-Based Electricity Plants: A Location-Allocation Problem. Selected poster presented at the Southern Agricultural Economics Association Meeting, February 4-6, 2018, Jacksonville, Florida.

19. Achyut Adhikari, Muna Bhandari, Krishna P. Paudel, and Jianhua Wang. Direct marketing of produce in Louisiana. Selected poster presented at the Southern Agricultural Economics Association Meeting, February 4-6, 2018, Jacksonville, Florida.
20. Achyut Adhikari, Muna Bhandari, Krishna P. Paudel, Kun Li, and Jianhua Wang. Farmers' Perception of Major Challenges Related to Compliance with the Food Safety Modernization Act. Selected poster presented at the Southern Agricultural Economics Association Meeting, February 4-6, 2018, Jacksonville, Florida.
21. Krishna P. Paudel, Huizhen Niu, Doleswar Bhandari, and Qiuzhuo Ma. A GIS-Based Approach to Allocating Poultry Litter for Electricity Production and Resulting Economic Impact. Selected poster presented at the Southern Agricultural Economics Association Meeting, February 2-5, 2019, Birmingham, Alabama.
22. Dependra Bhatta, Krishna P. Paudel, and Sarah Kagoya, Louisiana State University. Multidimensional Measurement of Poverty in Uganda. Selected poster presented at the Southern Agricultural Economics Association Meeting, February 2-5, 2019, Birmingham, Alabama.
23. Bijay Pokhrel and Krishna P. Paudel. Identification of Critical Source Area for Achieving Water Quality Goal in the Most Efficient Manner by Using Various BMPs. Selected poster presented at the Southern Agricultural Economics Association Meeting, February 2-5, 2019, Birmingham, Alabama.
24. Sarah Kagoya, Dependra Bhatta, and Krishna P. Paudel. Adoption of Climate Smart Technology by Ugandan Farmers Selected poster presented at the Agricultural and Applied Economics Association (AAEA) Annual Meeting, July 21- July 23, 2019, Atlanta, Georgia.
25. Xiaoli Zhang, Lin Zhu, and **Krishna P. Paudel**. The Mediating Effect of Rural Labor Transfer due to Agricultural Mechanization and Its Impact on Farm Household Income. Selected poster to be presented at the Southern Agricultural Economics Association Meeting, February 1-4, 2020, Louisville, Kentucky.
26. **Krishna P. Paudel**, Rajan Parajuli, Doleswar Bhandari, Chandra Theegala, and Huizhen Niu. Economic Implications of Combining Poultry Litter with Wood Chips for Bio-based Energy Production in the United States. Selected poster to be presented at the Southern Agricultural Economics Association Meeting, February 1-4, 2020, Louisville, Kentucky.
27. Achyut Adhikari, Muna Bhandari, **Krishna P. Paudel**, Jianhua Wang. 2019. Direct Marketing and Sales Contracts: Evidence from Louisiana. Selected poster presented at the Southern Agricultural Economics Association Meeting, February 1-4, 2020, Louisville, Kentucky.
28. Achyut Adhikari, Muna Bhandari, **Krishna P. Paudel**, Kun Li, Jianhua Wang. Farmers' Perception of Major Challenges Related to Compliance with the Food Safety Modernization Act. Selected poster presented at the Southern Agricultural Economics Association Meeting, February 1-4, 2020, Louisville, Kentucky.

29. Biswo Poudel and **Krishna P. Paudel**. Impact of Expansion of Microfinance Institutions (MFIs) on Agricultural Output. Selected poster presented at the AAEA meetings, Summer 2023.
30. Madhu Bhattarai, **Krishna P. Paudel**, Archana Timsina, and Mike Hammig. Deforestation and Agriculture. Selected poster presented at the AAEA meetings, Summer 2023.

CLASSES TAUGHT

Louisiana State University

Graduate Classes

AGEC 7623 Development Economics
AGEC 7803 Research Methodology
AGEC 7503 Resource Economics
AGEC 7103 Advance Statistical Methods in Agriculture

Undergraduate Classes

AGEC 3413 Agribusiness Decision Making
AGEC 4443 Rural Land Appraisal

Auburn University

Senior and First Year Graduate Class

AGEC 512 Environmental and Resource Economics

Masters and Doctoral Level Class

AGEC 603 Resource Economics II

Doctoral Level Classes

AGEC 716 Resource Economics III

University of Central Missouri (taught as an adjunct professor in Spring 2022)

Senior Level Class

AGRI 4140 Agriculture Policy

Teaching Evaluations: Results of Student Evaluations of Teaching

Teaching evaluations are based on the Louisiana State University College of Agriculture Student Perception of Teaching (SPOT) Evaluation, adopted from the Evaluation and Examination Service of the University of Iowa. Teachers in the College of Agriculture (COA) are evaluated in every class through administration of the Student Perception of Teaching (SPOT) evaluation instrument. In the Department of Agricultural Economics and Agribusiness, these evaluations are used for both teaching improvement and as input for promotion and tenure decisions. The SPOT contains a total of 20 questions, scaled from 1 to 5, with 5 being the best. Teaching evaluations in the College of Agriculture are required to include five standardized questions, allowing comparison across the College. The other 15 questions allow comparison of the instructor with departmental scores, as well as providing a time series for analysis of an individual. Students are also encouraged to provide written comments to the instructor.

COURSE	SEMESTER	ENROLLMENT	PAUDEL SPOT (OVERALL, OUT OF 5 MAXIMUM)	COLLEGE OF AGRICULTURE SPOT
AGEC 7623	Fall 2001	5	4.53	4.08
AGEC 7803	Spring 2002	9	4.10	4.07
AGEC 7503	Fall 2002	4	4.42	4.03
AGEC 7803	Spring 2003	7	3.02	4.03
AGEC 7623	Fall 2003	6	4.80	4.12
AGEC 7803	Spring 2004	10	3.61	4.12
AGEC 7503	Fall 2004	10	4.16	4.09
AGEC 7803	Spring 2005	7	4.58	4.10
AGEC 7803	Spring 2006	5	3.96	4.0
AGEC 7503	Fall 2006	3	4.59	4.03
AGEC 7803	Spring 2008	5	4.1	4.0
AGEC 7710	Spring 2009	4	4.6	4.0
AGEC 7803	Spring 2009	4	4.61	4.03
AGEC 7503	Fall 2010	7	4.73	4.15
AGEC 7803	Spring 2011	4	4.86	4.05
AGEC 7803	Spring 2012	6	3.9	4.05
AGEC3413	Fall 2013	30	4.11	4.14
AGEC 3413	Fall 2014	30	4.09	4.38
AGEC 4443	Fall 2014	17	4.68	4.38
AGEC 7523	Fall 2014	4	3.84	4.38
AGEC 7523	Summer 2015	4	4.68	3.95
AGEC 7513	Fall 2015	3	4.73	4.30
AGEC3413	Fall 2015	15	4.14	4.30
AGEC 3413	Fall 2016	23	4.53	4.30
AGEC 7103	Spring 2017	10		
AGEC 3413	Fall 2017	17	4.58	4.29
AGEC 7710	Fall 2017	1	5.00	4.30
AGEC 7103	Spring 2019	6		
AGEC 3413	Fall 2020	15		

Note:

Graduate Level: AGECE 7623 Rural Development; AGECE 7803 Agricultural Economics Applications

AGEC 7503/7513 Dynamics of Natural Resource Economics; AGEC 7710 Mathematical Economics;
AGEC 7503 Nonmarket Valuation
Undergraduate Level: AGEC 3413 Agribusiness Decision Making; AGEC 4443 Rural Land
Appraisal

GRANT PROPOSALS FUNDED

1. Krishna P. Paudel and Rex Caffey. Economic Assessment of Elmer's Island Visitation Pattern using a travel cost method. Funded by the Louisiana Sea Grant Program. Funded: Amount \$10,000
2. Krishna P. Paudel. Developing an Optimal Decision Tool for the Major Crops during the Water Deficit Period in Southeast USA. Funded by NASA through Auburn University, Amount \$10,000.
3. Krishna P. Paudel and Wayne Gauthier. Optimal spatial locations of dairy farms in Louisiana. Funded by the Louisiana Water Resource Research Institute, Amount funded: \$16,100.
4. Krishna P. Paudel. Development of information storing website for environmental and resource economists in the southern region (SERA 30) to increase the visibility and availability of their research works. Amount funded: \$4,500
5. Krishna P. Paudel and Frank Tsai. Transboundary Water Management under the Threat of Salt Water Intrusion. Louisiana BOR funding \$127,000
6. Krishna P. Paudel, Deborah Williams. Migration, remittance and food security in Nepal. USAID/Purdue University. Amount funded: \$15,000
7. Krishna P. Paudel. BHEARD Program – Uganda. USAID/Michigan State University, Amount funded: \$148,383 (2014-2017)
8. Krishna P. Paudel, Cotton Incorporated. Precision Agriculture Technologies in Cotton Production. Funded amount: Annually \$7,000 (2011-2016)
9. Krishna P. Paudel and Kurt Guidry: Louisiana Corn and Soybean Promotion Board. Economics of Irrigation Application Methods in Corn and Soybeans. Amount funded: Annually \$31,270 (2015 -2018)
10. Krishna P. Paudel. Impact of saltwater intrusion in Louisiana Agriculture, funded by the Louisiana Water Resources Research Institute through the USGS. Funded Amount: \$16,500.
11. Krishna P. Paudel and Kurt Guidry. Economic Impacts of Groundwater Salinity in Soybean and Grain Production in Louisiana. Louisiana Corn and Soybean Promotion Board. Amount funded: Annually \$ 35,570 (2016-2018)
12. Krishna P. Paudel. Water Yield Relationship in Soybean Production. Sponsored by the Louisiana Corn and Soybean Promotion Board. Amount funded: Annually \$15000 (from 2018 to 2019)

13. Stacia Davis and Krishna P. Paudel. Value of information with reference to irrigation. Funded by the Louisiana Water Resources Research Institute through the USGS. Funded Amount: \$16,500.
14. Achyut Adhikari and Krishna P. Paudel (Co-PI): Designing a state program in Louisiana to enhance product safety in preparation of implementation of the FDA produce safety rule. Food and Drug Administration. Funded Amount: \$614,655 (9/15/2016 -6/30/2021).
15. Marion Simon, Krishna P. Paudel, and others (Co-PI), Enhancing productivity, diversification, and sustainability by infusing geospatial technology in small and medium-sized farms. AFRE/USDA grant. Total Amount: \$499,999 (6/1/2019 -5/31/2022)
16. Changyoon Jeong and Krishna P. Paudel. Soil and groundwater salinity measurements. Funded by the Louisiana Water Resources Research Institute through the USGS. Funded amount: \$8,500
17. Krishna P. Paudel and Lawson Connor. conducting workshops to familiarize Louisiana farmers on conservation programs of the 2018 Agriculture Improvement Act. NRCS Funded amount: \$198,940.
18. Krishna P. Paudel. Economics of water quality assessment in the Barataria-Terrebonne National Estuary. Collaboration with LDEQ. Funded by the Barataria-Terrebonne National Estuary Program (BTNEP) and EPA. Funded amount: \$8,000
19. Guillermo Scaglia (PI), Krishna P. Paudel (Co-PI), and Kurt Guidry. Increasing the adoption of technology and enhancing sustainability of small beef cattle farms. March 1, 2021 – February 28, 2025. Funded amount: \$500,000.

CONTRACT

1. Krishna P. Paudel and Tim Park (USDA/ERS). The changing structure of retail food stores and its impact on direct marketing sales by Farmers. Contract with USDA/ERS Amount: \$20,000

REVIEWERS FOR THE FOLLOWING JOURNALS AND GRANT PROPOSALS

Reviewed Grant proposals for the following agencies/universities:

1. South Carolina Agriculture and Forestry Research System
2. Mississippi State University Agricultural Experiment Station
3. United States Department of Agriculture – ERS APHIS program
4. United States Department of Agriculture – Socially disadvantaged farmers, Panel Member

5. United States Environmental Protection Agency (USEPA)- Water Quality STAR Grant Panel Member
6. NASA Applied Sciences SERVIR Grant – Panel Member

Reviewed articles for the following Journals: *Applied Economics Perspective and Policy, Bioscience, Canadian Journal of Agricultural Economics, Journal of American Water Resource Association, Journal of Environmental Quality, Journal of Applied Economics, Journal of Agricultural and Applied Economics, Journal of Comparative Economics, Agronomy Journal, Journal of Agribusiness, Environmental Management, Journal of Food Distribution Research, Agricultural Economics, Journal of Agricultural and Resource Economics Review, Journal of Hydrologic Engineering, Environmental and Resource Economics, Environmental and Development Economics, Journal of Environmental Management, Landscape Management and Planning, Soil and Tillage Research, Journal of Agricultural and Resource Economics, Journal of Soil and Water Conservation, American Journal of Agricultural Economics, Society and Natural Resources, Waste Management, Journal of Dairy Science, Journal of Environmental Economics and Management, Land Economics, Marine Resource Economics, Ecological Economics, World Bank Working Paper Series, Journal of Public Economics, Advances in Econometrics Series, Forest Economics and Policy, Journal of Regional Science, Empirical Economics, International Journal of Regional Sciences, European Journal of Agricultural Economics, Economics Bulletin, Environmental Management, PLOSONe, Natural Resources, Canadian Journal of Agricultural Economics, Society and Resources, Nature Communication*

OTHER ACADEMIC ACTIVITIES

Moderator – Selected Paper sessions in Southern Agricultural Economics Association (SAEA) and American Agricultural Economics Association, Agricultural and Applied Economics Association (AAEA), Invited Paper sessions SAEA, Resource Modeling Association Meetings

Discussant – AERE workshop, AAEA meetings, SAEA meetings, Southeast Decision Science Institute Reviewer/Program Manager -Track Chair: AAEA meeting papers, SAEA meeting papers, Southeast Decision Science Institute Meeting papers

Advisor: National Champion winning team of AAEA graduate student case study competition, 2000

Seminar Organizing Committee Chair: Auburn University

Organized Symposium: AAEA, SAEA

INVITED LECTURES/SEMINARS

- a. Australian National University, June 2004; November 2010
- b. Central Missouri State University, August 2005
- c. Federal Reserve Bank of Atlanta, New Orleans Branch. Economics of Water Quality, June 26, 2008.
- d. University of Delaware, August 2008.
- e. Vanderbilt University, December 2009.
- f. Trainer, Food Security, Sitoh-LSU, Summer 2012
- g. South China Agricultural University, China Agricultural University, Nanjing Agricultural University, Hebei Institute of Geography. December 2014

SERVICE

Academic community:

Promotion evaluation external letter: Jeff Luckstead, University of Arkansas; Jeff Luckstead, Washington State University; Deepty Kolady, South Dakota State University; Denis Nadolnyk, Auburn University; David Willis, Clemson University; Ram Acharya, New Mexico State University

Professional Association

* Vice President (2003), President (2004), SERA-IEG 30 Natural Resource Economists Group

* * Treasurer (2004-2005), Vice President (2005-2006), President (2006-2007) Phi Kappa Phi Honor Society LSU Chapter

*Treasurer (2010- 2012), President Elect (2012- Present) Gamma Sigma Delta Honor Society, LSU Chapter

Poster Evaluation Judge, Louisiana Science and Engineering Fair, Gamma Sigma Delta, Baton Rouge, LA, March 2013.

Poster Evaluation Judge, LSU Chapter of Gamma Sigma Delta, 2013- 2019

AAEA teaching committee, member (2014, 2015, 2016) and chair (2016)

Departmental Level (LSU)

* Graduate Student General Exam Committee: Member (2001-2006)

* Graduate Student Pre-Qualifying Committee: Member (2001-2006)

* Library Committee: Chair

* Incoming Graduate Student Workshop: Instructor 2002, Instructor 2003, Organizer and instructor 2004, Organizer and Instructor (2005)

Agribusiness club, Senior and Junior Advisor (2011-2013)

Alexander Professorship Committee Member (2012)

University Level (LSU)

* Member: Academic Computing Committee

* Panel Member of the Teaching Evaluation Award Committee (George H Deer Teaching Award Committee and University Teaching Award Committee), 2005

* Represented the Honor Society of Phi Kappa Phi in the Chancellor's honors convocation, 2006, 2007

* Outstanding Faculty Award Committee, Gamma Sigma Delta, 2012.

* Co-advisor, Nepali Student Association, LSU

College Level (LSU)

* Teaching Award Committee: Member

* Scholarship Committee: Member

* Evaluated applicants for the Tiger Athletic Foundation teaching award, the Sedberry Award, and the College of Agriculture Alumni Outstanding Teacher Award

* International Committee: Member

AgCenter Level (LSU)

* AG FACULTY COUNCIL: Member (Jan 2003 – Dec 2005)

- * LSU AgCenter International Program Advisory Committee: Member (Current)
- * Ganelle Bullock Outstanding Staff, Selection Committee 2004: Member
- * Outstanding Service Award for Associate Committee 2004: Member

Community

Vice President (2004-2005), President (2005-2006), Past President and Board Member (2006-2007),
LSU Kiwanis Club,
Hindu Vedic Society of Baton Rouge, Board Member 2015 – 2019, Vice President 2020-2021, Auditor
2016 to 2021.

STUDENTS

M.S. Students (LSU)

Major Professor (Completed): Bryan Gottshall, 2013; Madhav Regmi, 2014; Deborah Williams, 2014; Bijay Pokhrel, 2016; Sarah Kagoya, 2017; Rajan Dhakal, 2019; Dependra Bhatta, 2020

Served on M.S. thesis committee.

Completed:

Auburn University: Murali Adhikari, Auburn University, Agricultural Economics, 2001;
LSU: Doleswar Bhandari, 2003; Ying Zhong, 2003; Joyce Obubuafo, 2006; Ignacio Garcia, 2006;
Nirmala Devkota, Experimental Statistics, 2008; Marco Velastugi, Agricultural Economics 2008;
Samanth Beeram, Engineering Sciences, 2008; Narayan Neupane, 2010; Mahesh Pandit, 2010. Deepa
Acharya, 2012.

Doctoral Students:

Major Professor (Completed): Larry M Hall, 2009; Nirmala Devkota, 2009; Mahesh Pandit, 2013;
Seydina Sene, 2017; Tej Gautam, 2019; Dependra Bhatta, 2020; Sarah Kagoya, 2022.

Dissertation committee completed: Noro Rahelitzova, Seon-Ae Kim, Eric Horent (Graduate School
Representative), Jae-Hwan Han, Anil Sulgham, Bobby Soliue (Graduate School
Representative); Joseph Omonuk (Graduate School Representative), Berdikul Qushim,
Narayan Nyaupane

External PhD Dissertation Examiner: Ram C. Khanal, Kathmandu University, Nepal; Reymond
Bedford, RMIT University, Australia; Govinda Sharma, University of Western Australia; Bijay
Chaudhary, University of Western Australia

Visiting Scholar Advising: Advised 20+ visiting scholars from South China Agricultural University,
Shihezi University, Sichuan Agricultural University, Jiangxi Agricultural University, and
Zamorano University.

International Activities

1. Instrumental in signing the MOU between LSU and AFU, Nepal. The MOU between these two institutes was signed in October 2012.
2. Instrumental in signing the MOU between Hebei Institute of Geographical Sciences, China, and LSU; LSU and South China Agricultural University, December 2014.
3. Spearheaded the start of a 2+2 program in agribusiness with South China Agricultural University. The program has been in effect since June 2019.

Activities with Students

AAEA case study competition advisor (Auburn University, 1999, 2000. The AU Team won the first-place award in 2000.

AAEA Quiz Bowl Advisor, LSU Team, 2014

LSU Ag Business Club – Junior and Senior Advisor, 2012-2013

Faculty Advisor, LSU Nepali Student Association 2007- 2021