

CONFERENCE PROCEEDINGS/PRESENTATIONS

1. Dakhlalla*, A. O., **P. B. Parajuli**, Ouyang Ying, and Darrel Schmitz. 2015. Evaluating the impacts of crop rotations on groundwater storage and recharge in a humid sub-tropical watershed. ASABE Annual International Meeting, July 26-29, New Orleans, Louisiana.
2. Dakhlalla*, A. O., and **P. B. Parajuli**. 2015. Assessing model parameter sensitivity and uncertainty of streamflow, sediment, and nutrient predictions in an agricultural watershed using SWAT. ASABE Annual International Meeting, July 26-29, New Orleans, Louisiana.
3. Ni*, X., and **P. B. Parajuli**. 2015. A coupled SWAT-MODFLOW model to evaluate the effects of management practices on surface-groundwater. ASABE Annual International Meeting, July 26-29, New Orleans, Louisiana.
4. Priyantha Jayakody*, **Parajuli P. B.**, and Gretchen Sassenrath. 2015. Model Calibration using Evapotranspiration data at Watershed Scale. IBE Annual Conference, March 5-7, Crowne Plaza St. Louis-Clayton, St. Louis, Missouri.
5. Dakhlalla*, A. O., and **P. B. Parajuli**. 2015. Sensitivity of Fecal Coliform Bacteria Transport to Climate Change in an Agricultural Watershed. IBE Annual Conference, March 5-7, Crowne Plaza St. Louis-Clayton, St. Louis, Missouri.
6. Dakhlalla*, A. O., **P. B. Parajuli**, and Darrel Schmitz. 2015. Evaluating the impacts of crop rotations on groundwater storage and recharge in the Mississippi Delta. 2015 Mississippi Water Resource Conference, April 7-8, Hilton, Jackson, MS.
7. Ni*, X., and **P. B. Parajuli**. 2015. A coupled SWAT-MODFLOW model to evaluate the effects of agricultural management practices on surface and groundwater. 2015 Mississippi Water Resource Conference, April 7-8, Hilton, Jackson, MS.
8. Dakhlalla*, A. O., **P. B. Parajuli**, and Darrel Schmitz. 2014. Evaluating the impacts of crop rotations on groundwater recharge and water table depths through a watershed modeling approach. The Geological Society of America Annual Meeting, October 19-22, Vancouver, BC, Canada.
9. **Parajuli P. B.**, Priyantha Jayakody, and Gretchen Sassenrath. 2014. Assessing climate variability impacts on crop and sediment yields. ASABE Paper No. 141913046. ASABE Annual International Meeting, July 13-16, Montreal, QC Canada.
10. **Parajuli P. B.**, Jayakody, P., and Brooks, J. 2014. Climate Change Impact on Bacteria Transport Process at Watershed scale. IBE Perspectives of Biological Engineering and of Partnerships with Other Societies. ASABE Paper No. 141956866. ASABE Annual International Meeting, July 13-16, Montreal, QC Canada.
11. Dakhlalla*, A. O., and **P. B. Parajuli**. 2014. Evaluating the impacts of crop rotations on groundwater recharge and water table depth in the Mississippi Delta. 2014 Mississippi Water Resource Conference, April 1-2, Hilton, Jackson, MS.
12. **Parajuli P. B.**, Priyantha Jayakody, and Gretchen Sassenrath. 2014. Climate Variability Impacts on Crop and Sediment Yields. 2014 Mississippi Water Resource Conference, April 1-2, Hilton, Jackson, MS.
13. Dakhlalla*, A. O., and **P. B. Parajuli**. 2014. Assessing the Impacts of Climate Change on Fecal Coliform Bacteria Transport in the Big Sunflower River Watershed in Mississippi. IBE 19th Annual Conference, March 6-8, Hilton Downtown, Lexington, Kentucky.
14. Jayakody, P*, **Parajuli, P. B.**, and Brooks, J. 2014. Climate change impact on bacteria transport process at watershed scale. IBE 19th Annual Conference, March 6-8, Hilton Downtown, Lexington, Kentucky.
15. Daggupati, P. Daggupati, S. Ale, N. Pai, R. Zeckoski, J. Jeong, **P.B. Parajuli**, M. Youssef, D. Saraswat, K. Mankin. 2014. Calibration and Validation Strategies for Hydrological and Water

- Quality Modeling. ASABE Paper No. 141914028. ASABE Annual International Meeting, July 13-16, Montreal, QC, Canada.
16. Yongping Y. Yuan, Y. P. Khare, S. Wang, **P. B. Parajuli**, I. Kisekka, S. Finsterle. 2014. Hydrologic and Water Quality Models: Sensitivity. ASABE Paper No. 141920548. ASABE Annual International Meeting, July 13-16, Montreal, QC, Canada.
 17. **Parajuli, P. B.**, B. P. Jayakody, and T. P. Cathcart. 2013. Impacts of Climate Variability on Sediment and Nutrients Loadings from Upper Pearl River Watershed (UPRW). ASABE Paper No. 131598024. ASABE Annual International Meeting, July 21-24, Kansas City, MO.
 18. Dakhlalla, A. O*, and **P. B. Parajuli**. 2013. Evaluating the Effectiveness of BMPs with Future Climate Scenarios in a Forested Watershed in Mississippi. ASABE Paper No. 131593256. ASABE Annual International Meeting, July 21-24, Kansas City, MO.
 19. **Parajuli, P. B.**, Jayakody, P., and Brooks, J. 2013. Monitoring and Modeling of Fecal Coliform Bacteria Loads in the Upper Pearl River Watershed. 2013 Mississippi Water Resource Conference, April 2-3, Hilton, Jackson, MS.
 20. Jayakody, P.*, **Parajuli, P. B.**, and Cathcart, T. 2013. Spatial distribution of Sediment and Nutrient Loadings from Upper Pearl River Watershed (UPRW). 2013 Mississippi Water Resource Conference, April 2-3, Hilton, Jackson, MS.
 21. Dakhlalla, A. O*, and **Parajuli, P. B.** 2013. Assessing the Impacts of Future Climate Change on Peak Flows in a Forested Watershed. 2013 Mississippi Water Resource Conference, April 2-3, Hilton, Jackson, MS.
 22. **Parajuli, P. B.**, S. Duffy, J. Hatten, and Joel O. Paz. 2013. Evaluation of soil organic carbon and soil moisture content from agricultural fields. IBE Annual Conference, March 7-9, Embassy Suites Research Triangles, Raleigh, NC.
 23. Hakkwan Kim*, **Parajuli Prem B.** 2012. Assessment of the Impacts of Land Use and Future Climate Changes On Optimal Selection and Placement of Best Management Practices. ASA/CSSA/SSSA, International annual meeting, October 21-24, Cincinnati, OH.
 24. Priyantha Jayakody*, **Parajuli P. B.**, and Gretchen Sassenrath. 2012. Remote Sensing Derived Evapotranspiration Data to Calibrate SWAT Model: A Case Study of Big Sunflower River Watershed, Mississippi Delta. ASA/CSSA/SSSA, International annual meeting, October 21-24, Cincinnati, OH.
 25. **Parajuli P. B.**, and Sunita Khanal. 2012. Quantifying Forest Management Impacts On Hydrology and Water Quality Using a Modeling Approach. ASA/CSSA/SSSA, International annual meeting, October 21-24, Cincinnati, OH.
 26. Hakkwan Kim*, **Parajuli Prem B.**, Yu, F., Columbus, E., and Batchelor, W. 2012. Economic Analysis of Syngas Production using a Modeling Approach. Lignocellulosic Biofuels Workshop, June 13-15, 2012, Auburn University, Auburn, AL.
 27. Priyantha Jayakody*, **Parajuli P. B.**, and Brooks J. P. 2012. Impacts of soil properties on bacteria loadings in the Upper Pearl River watershed. IBE Annual Conference, The Westin Indianapolis, March 1-3, 2012, Indianapolis, IN.
 28. Hakkwan Kim*, and **Parajuli P. B.** 2012. Hydrologic impacts of climate change and bio-energy crops production in Yazoo river basin. IBE Annual Conference, The Westin Indianapolis, March 1-3, 2012, Indianapolis, IN.
 29. Priyantha Jayakody*, **Parajuli P. B.**, and Gretchen Sassenrath. 2012. Develop hydrological relationships using a modeling approach in Mississippi Delta. 2012 Mississippi Water Resource Conference, April 1-3, Hilton, Jackson, MS.
 30. Duffy Sarah*, and **Parajuli P. B.** 2012. Assessing Water Balance Using a Hydrologic Model. 2012 Mississippi Water Resource Conference, April 1-3, Hilton, Jackson, MS.
 31. **Parajuli P. B.** 2012. Sediment and Nutrients Loadings from the Upper Pearl River Watershed. 2012 Mississippi Water Resource Conference, April 1-3, Hilton, Jackson, MS.
 32. Irvin, S. A., J. O. Paz, D. Evans, and **P. B. Parajuli**. 2012. Analysis of aerial multispectral imagery to assess water quality parameters of Tibbee Creek, Clay County, Mississippi. ASABE Paper No. 121338103. ASABE Annual International Meeting. Dallas, TX.

33. Priyantha Jayakody*, **Parajuli P. B.**, and Gretchen Sassenrath. 2011. Agricultural Management Effects on Soybean and Corn Yields In Yazoo River Basin, Mississippi Delta. ASA/CSSA/SSSA, International annual meeting, October 16-19, San Antonio, TX.
34. Hakkwan Kim*, and **Parajuli P. B.** 2011. Assessment of the Potential Crop Yield for Bio-Energy Production Using the SWAT Model. ASA/CSSA/SSSA, International annual meeting, October 16-19, San Antonio, TX.
35. Yangyang Deng* and **Parajuli P. B.** 2011. Economic Analysis and Optimization of Syngas Production: Model Development and Application. Poster Presentation at the Biofuels conference, October 5-7, Mississippi State University.
36. Hakkwan Kim*, **Parajuli P. B.**, Yu F., and Columbus E. P. 2011. Economic Analysis and Assessment of Syngas Production using a Modeling Approach. ASABE Publication No. 1110814, ASABE, St. Joseph, MI.
37. **Parajuli P. B.** 2011. Bio-energy Feedstock Yields and their Water Quality Benefits in Mississippi. ASABE Publication No. 1111416, ASABE, St. Joseph, MI.
38. Priyantha Jayakody*, and **Parajuli P. B.** 2011. Identifying critical areas of bacteria loading in the Upper Pearl River Watershed. ASABE Publication No. 1111107, ASABE, St. Joseph, MI.
39. Sunita Khanal*, **Parajuli P. B.**, and Hatten J. 2011. Evaluating hydrologic effect of forest harvesting at Upper Pearl River Watershed in Mississippi. ASABE Publication No. 1110895, ASABE, St. Joseph, MI.
40. Yangyang Deng*, and **Parajuli P. B.** 2011. Evaluation of Syngas Production Unit Cost of Bio-Gasification Facility using Regression Analysis Techniques. ASABE Publication No. 1110711, ASABE, St. Joseph, MI.
41. Duffy Sarah*, and **Parajuli P. B.** 2011. Assessing the Correlation between Predicted Soil Moisture Content and Observed Soil Organic Carbon Using SWAT and Field Studies. 2011 ASABE Annual International Meeting, August 7-10, 2011, Louisville, KY.
42. Priyantha Jayakody*, and **Parajuli P. B.** 2011. Evaluating Spatial and Seasonal Variability of Fecal Coliform Bacteria Loads at Watershed Scale in Mississippi. IBE Annual Conference, Loews Atlanta, March 3-5, 2011, Atlanta, GA.
43. Yangyang Deng*, and **Parajuli P. B.** 2011. Economic Evaluation of Electricity Generation from a Small-Scale Bio-Gasification Facility using an Optimization Model. IBE Annual Conference, Loews Atlanta, March 3-5, 2011, Atlanta, GA.
44. HakKwan Kim*, **Parajuli P. B.**, Fei Yu, Joel O. Paz, and Eugene Columbus. 2011. Economic Model for Evaluating Syngas Production Cost of Bio-gasification Facility. IBE Annual Conference, Loews Atlanta, March 3-5, 2011, Atlanta, GA.
45. Irvin, S. A., J. O. Paz, M. L. Tagert, **P. B. Parajuli**, and T. Cathcart. 2011. Quantifying changes in turbidity and sediment load in relation to land use in Tibbee Creek Watershed, Mississippi. Institute of Biological Engineering 16th Annual Conference. March 3-5, 2011. Atlanta, GA.
46. **Parajuli, P. B.** 2010. Assessing phosphorus loss from the Upper Pearl River watershed in east-central Mississippi using a Model. TMDL 2010: Watershed Management to Improve Water Quality, November 14-17, Hyatt Regency Baltimore on the Inner Harbor Baltimore, MD.
47. **Parajuli, P. B.**, Kingery, W. L., Tagert, M. L., Paz, J. O. and Oldham, L. O. 2010. Spatially distributed sediment and nutrients loading from the Upper Pearl River watershed. 2010 Mississippi Water Resource Conference, November 3-5, The Hollywood Casino, Bay St. Louis, MS.
48. **Parajuli, P. B.** 2010. Hydrologic Responses to Long-term Climate Change from Forested Watershed in Mississippi. ASABE Publication No. 1008760, ASABE, St. Joseph, MI.
49. **Parajuli, P. B.**, Kingery, W. L., Tagert, M. L., Paz, J. O. and Oldham, L. O. 2010. Modeling Phosphorus Loading to the Ross Barnett Reservoir Using SWAT in the Upper Pearl River Watershed in East-central Mississippi. ASABE Publication No. 1008762, ASABE, St. Joseph, MI.
50. Irvin, S. A, J. O. Paz, M. L. Tagert, **Parajuli P. B.**, and T. Cathcart. 2010. The anthropogenic impact of the Tennessee-Tombigbee Waterway: stream impact of Tibbee Creek due to human disturbances. Proceedings of the 2010 Mississippi Water Resources Conference.

51. Nathan O. Nelson, **Parajuli P. B.**, Mark J. Davis, Philip L. Barnes, Kyle R. Mankin, Michael R. Langemeier, Daniel L. Devlin, Theresa L. Selfa, William L. Hargrove, Lisa French, Lyle D. Frees, and Austin Bontrager. 2009. Conservation Practice Evaluation with SWAT and GIS Database in the Cheney Lake Watershed Conservation Effects Assessment Project (CEAP). USDA-CSREES, National Water Conference, February 8-12, 2009, Millennium hotel, St. Louis, MO.
52. **Parajuli, P. B.**, Nathan O. Nelson, Bill Heer, and Mark Claassen. 2008. Assessing crop yield and water quality impact using models. Paper no. 539-271, SSSA-ASA-CSSA, joint annual meeting, 5-9 October 2008, Houston, TX.
53. **Parajuli, P. B.**, Nathan O. Nelson, Lyle D. Frees, and Kyle R. Mankin. 2008. Conservation effects assessment using SWAT in Cheney Lake watershed south-central Kansas. ASABE Publication No. 084769, ASABE, St. Joseph, MI.
54. **Parajuli, P. B.**, Nathan O. Nelson, Lyle Frees, and Kyle R. Mankin. 2008. Evaluation of SWAT and AnnAGNPS in the Cheney Lake watershed CEAP. USDA-CSREES, National Water Conference, February 3-7, 2008, John Ascuaga's Nugget hotel resort, NV.
55. **Parajuli, P. B.**, Mankin, K. R., and Barnes, P. L. 2007a. Source-specific Estimation of Fecal Bacteria Using SWAT: Calibration and Application. USDA-CSREES, National Water Conference, Extension and Education for Water Quality and Quantity, 28 Jan-1 Feb, 2007, Marriott Savannah Riverfront, Savannah, GA.
56. **Parajuli, P. B.**, Mankin, K. R., Barnes, P. L., and Green, C. H. 2007. Fecal bacteria source characterization and sensitivity analysis of SWAT 2005. ASABE Publication No. 072273, ASABE, St. Joseph, MI.
57. **Parajuli, P. B.**, Mankin, K. R., and Barnes, P. L. 2007b. New methods in modeling source specific bacteria at watershed scale using SWAT. Watershed management to meet water quality standards and TMDLs (Total Maximum Daily Load) proceedings of the 10 -14 March 2007, San Antonio, TX. ASABE Publication No. 701P0207, ASABE, St. Joseph, MI.
58. Nejadhashemi, A. P., **Parajuli, P. B.**, and Mankin, K. R. 2007. Prediction of sediment, nutrients, and pathogen using LSPC, AVSWAT-X, and WARMF water quality models. Watershed management to meet water quality standards and TMDLs, proceedings of the 10 - 14 March 2007, San Antonio, TX. ASABE, St. Joseph, MI.
59. **Parajuli, P. B.**, Mankin, K. R., and Barnes, P. L. 2006a. Calibration and validation of SWAT/microbial sub-model 2005 for fecal coliform bacteria prediction on a grazed watershed. ASABE Publication No. 062196, ASABE, St. Joseph, MI.
60. **Parajuli, P. B.**, Mankin, K. R., and Barnes, P. L. 2006b. Sensitivity analysis of SWAT/microbial sub-model 2000 for fecal coliform bacteria prediction on a grazed watershed. ASABE Publication No. MC06-4103, ASABE, St. Joseph, MI.
61. **Parajuli, P. B.**, Mankin, K. R., and Barnes, P. L. 2005a. Evaluating bacteria removal from land application of manure using SWAT. ASAE Publication No. MC05-203, ASAE, St. Joseph, MI.
62. **Parajuli, P. B.**, Mankin, K. R., and Barnes, P. L. 2005b. Calibration and validation of SWAT/microbial sub-model 2000 for fecal coliform bacteria prediction on a grazed watershed. ASAE Publication No. 052126, ASAE, St. Joseph, MI.
63. **Parajuli, P. B.**, and Yoo, K. H. 2003a. Application of Ann/AGNPS and WEPP to grazed land in north Alabama at Alabama. Water resources conference and symposium, Orange Beach, AL.
64. **Parajuli, P. B.**, and Yoo, K. H. 2003b. A computer demonstration of installing and running GIS-ArcView interface AGNPS water quality simulation model. Alabama water resources conference and symposium, Orange Beach, AL.

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