

MANUEL REYES REYES

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Department of Natural Resources and Environmental Design
North Carolina Agricultural & Technical State University

PROFESSIONAL PREPARATION OR EDUCATION

LOUISIANA STATE UNIVERSITY, Baton Rouge, Louisiana, USA. *Doctor of Philosophy in Engineering Science*, major in Agricultural Engineering. December 1992.

SILSOE COLLEGE, CRANFIELD UNIVERSITY, Silsoe, Bedford, England. *Master of Philosophy in Agricultural Engineering*, May 1989.

UNIVERSITY OF THE PHILIPPINES AT LOS BAÑOS, College, Laguna, Philippines. *Master of Science in Agricultural Engineering*, major in Land and Water Resources, April 1987.

Bachelor of Science in Agricultural Engineering, April 1980.

APPOINTMENTS OR EMPLOYMENT HISTORY

NORTH CAROLINA AGRICULTURAL AND TECHNICAL STATE UNIVERSITY. Professor 2006 – present, *Associate Professor* 1999-2006, *Assistant Professor* 1993-1999

LOUISIANA STATE UNIVERSITY. *Graduate Research Assistant*. 1989-1992

CRANFIELD UNIVERSITY. *Overseas Development Agency, British Council Scholar*. 1987-89.

UNIVERSITY OF THE PHILIPPINES AT LOS BAÑOS. *Instructor/Graduate Student*. 1980-87.

CURRENT RESEARCH SUPPORT

Principal Investigator (More than \$3,000,000, listed five)

- Conservation Agriculture for Food Security in Cambodia and the Philippines. January 2010 to September 2014. VT-USAID SANREM-CRSP. \$1,325,000
- Integrating High Tunnel and Agroforestry Technologies for Vegetable Production in Small Farms of North Carolina. USDA. October 2009 to September 2011. \$309,759.
- Water Quality Evaluation of Long-Term Organic and Conventional Vegetable Production under Conservation and Conventional Tillage: APEX Model Evaluation. October 2010 to September 2012. USDA. \$ 93,678
- Agroforestry and Sustainable Vegetable Production in Southeast Asian Watersheds. January 2006 to September 2009. VT-USAID SANREM-CRSP. \$1,267,000
- North Carolina A&T State University Water Quality Education Program with Emphasis on Small Farmers. USDA. September 15, 2008 to September 14, 2012. \$80,000.
- Enhancing Urban Sustainability through the Application of Permaculture Principles. EPA. \$10,000. August 2009 to August 2010.

PUBLICATIONS

Peer-Reviewed (last four years)

Reyes, M.R., H. Suda, M. Brooks and R. Boyles. 2010. Proposed Standard for Automatic Calculation of Rainfall Erosivity. *Applied Engineering in Agriculture*, 26 (?): ?-?. Accepted for publication and in press.

Alibuyog, N. R., V. B. Ella, M. R. Reyes, R. Srinivasan, C. Heatwole 5 and T. Dillaha. 2009. Predicting the effects of land use change on runoff and sediment yield in Manupali River subwatershed using the SWAT model. *International Agricultural Engineering Journal* 2009, 18(1-2):15-25.

Ella, V.B., M.R. Reyes and R. Yoder. 2009. Effect of hydraulic head and slope on water distribution uniformity of a low-cost drip irrigation system. *Applied Engineering in Agriculture*, 25(3): 349-356

Raczkowski, C.W., M.R. Reyes, G.B. Reddy, W.J. Busscher, and P.J. Bauer. 2009. Comparison of conventional and no-tillage corn and soybean production on runoff and erosion in the southeastern US Piedmont. *Journal of Soil and Water Conservation* 64(1), 53-60.

Gassman, P.W., M.R. Reyes, C.H. Green and J.G. Arnold. 2007. The Soil and Water Assessment Tool: Historical Development, Applications, and Future Research Directions. *TRANSACTIONS of the ASABE* 50(4):1211-1250.
