



Danilo China

PaSCoR Role:

- Researcher
- Offer Mentoring to students in research
- Develop and implement new PaSCoR Courses
- Publish the results of their investigation

Education:

Section of Ecology & Systematics, Cornell University, NY. Ph.D. in Ecology, August '92. Major in Plant ecology, and minors in Soil science and Animal nutrition.

Field of Botany, Cornell University, NY. Master in Botany, August '80. Major in Ecology and minor in Soil science.

Department of Biology, University of Puerto Rico, Mayagüez, PR. B. S. in Biology, May '77. Major in Botany.

Academic Experience:

- **Assistant Dean** (9/6/2000– present). Office of the Dean of Academic Affairs, University of Puerto Rico, Mayagüez, P.R. Oversees, supervise and coordinate academic processes at the University.
- **Research Assistant:** (6/1996– present). Department of Agronomy and Soils, University of Puerto Rico, Mayagüez, P.R. Developing and establishing research in non-point source pollution modeling and watershed management using the technologies of remote sensing and Geographic Information Systems (GIS). Teaching a graduate course in the use of remote sensing and GIS in agricultural sciences.
- **Associate Director:** (7/1998-4/2000). Department of Agronomy and Soils, University of Puerto Rico, Mayagüez, P.R.. Assist in the administrative operation of the Department.
- **Water Quality Modeling Coordinator:** (7/1994 to 5/1996). Division of Real Estate and Land Management, Ohio Department of Natural Resources, Columbus, Ohio. Coordinate and evaluate projects on non-point source pollution for effectiveness identifying areas which are potentially significant contributors of pollutant (especially N and P) through the use of computer modeling and the technologies of remote sensing and GIS.
- **Consultant** (2/1992 to 6/1994), Division of Soil & Water Conservation, Ohio Department of Natural Resources, Columbus, Ohio. Developing the linkage between the ERDAS image processing system and GIS to a non-point source pollution model to automatically generate the data required. Assisting in the coordination of non-point source projects throughout the state.
- **Graduate Research Associate** (2/1990 to 1/1992), Department of Agricultural Engineering, The Ohio State University, Columbus, Ohio. Developing mathematical equations to estimate soil erodibility from chemical and physical soil properties for the WEPP erosion model.
- **Graduate Research Associate** (4/1987 to 12/1989) and **Graduate Research Associate** (2/90 to 6/91), Department of Agronomy, The Ohio State University, and Soil and Water Conservation Division, Ohio Department of Natural Resources, Columbus, Ohio. Evaluation of seasonal crop residue cover using Landsat TM imagery with ERDAS system. Development of computer programs to process and manipulate GIS files created from image classification and other sources of data to automatically generate the required data to run an erosion model.

Research Interest:

Application of Remote Sensing and Geographic Information System to Agricultural Science and Natural Resources.