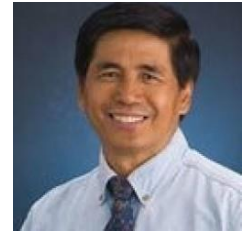


EXPERT'S PROFILE

Name of Grantee : DR. GUILLERMO A. MENDOZA
Area of Expertise : GIS, Forest Management
Inclusive Date of Contract as BSP Awardee : August 26, 2019-February 7, 2020 (150 days) (Short-Term Engagement)
Host Institution : Isabela State University
E-mail Address : gamendoz@illinois.edu



EDUCATIONAL BACKGROUND

- PhD in Operations Research, University of Washington, 1980
- MS in Forestry, University of the Philippines Los Baños, 1976
- BS in Forestry, University of the Philippines Los Baños, 1973

Significant Achievement

Devoted time in teaching and research for more 30 years (since 1980).

Served as consultant for at least 5 USAID and UN projects in the Philippines on various environment and natural resource projects.

WORK EXPERIENCE

Professor Emeritus (2011-present)

University of Illinois at Urbana Champaign, USA

Associate Professor (1990- 2011)

University of Illinois, Department of Natural Resources and Environmental Sciences, Urbana, Illinois, USA

Assistant Professor (1985 – 1989)

University of Illinois, Department of Forestry, College of Agriculture, Urbana, Illinois, USA

Associate Professor (1980-1984)

University of the Philippines at Los Banos, College of Forestry

TO BE ACCOMPLISHED AS A BSP AWARDEE:

- Seminar/Lectures on Forest Biomass Assessment, and Forest Carbon Assessment and Analysis
- Trainings/Workshop
 - a. Use of various watershed and hydrologic modelling software
 - b. Use of carbon accounting
 - c. Suitable locations of small-scale irrigation systems
 - d. Crop-suitability and flood vulnerability mapping
 - e. Climate Resiliency of Farming Systems
 - f. Use of drone aerial photogrammetry, mapping and feature extraction of farm landscapes
 - g. Assessment and valuation of greenhouse gases (GHGs), mitigation of waste-to-energy, waste-to-biofertilizer conversion technologies;
- Mentoring of graduate and undergraduate students in the areas of GIS/Remote Sensing applications in agriculture, fishery, engineering, forestry, environmental science and climate change

- Development of instructional materials for the programs on Basic GIS/GPS Functionalities, and Advanced GIA Applications and Remote Sensing in AAFNR
- Write/co-write publications in the areas of climate-smart technologies on crops, livestock, fisheries; and precision agriculture and fishery to be published in the Journal of Environmental Science and Management (JESAM) of UPLB and other Thomson-Reuters/Scopus-indexed journals
- Formulate R&D Proposal on Niche Center in the Region for R&D (NICER) on Climate-Smart and Precision Agriculture and Fishery