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**Part I**

**ENHANCING FARM PRODUCTIVITY & ENVIRONMENTAL  
QUALITY IN CLIMATE CHANGE VULNERABLE MARGINAL  
UPLANDS OF EASTERN VISAYAS**



**EDITORS:**

**VICTOR B. ASIO, EDITHA G. CAGASAN AND BEATRIZ S. BELONIAS**

ALL PAPERS IN THIS ISSUE OF THE ANNALS OF TROPICAL RESEARCH WERE BASED ON THE RESULTS OF THE COMPONENT STUDIES OF THE PHILIPPINE HIGHER EDUCATION NETWORK (PHERNET) PROGRAM (2013-15) AT THE VISAYAS STATE UNIVERSITY FUNDED BY THE COMMISSION ON HIGHER EDUCATION (CHED).

## FOREWORD

This special issue of the Annals of Tropical Research, a CHED-accredited peer-reviewed journal, reports the results of the first year implementation of the Philippines Higher Education Research Network (PHERNet) Program funded by the Commission on Higher Education (CHED) entitled "Enhancing Farm Productivity and Environmental Quality in Climate Change Vulnerable Marginal Uplands". Although the program commenced in January 2013, most of the first year activities were completed only in the later part of 2014 due to the damage caused by Super Typhoon Yolanda on November 8, 2013.

This publication therefore, is the fruition of the efforts of experts who devoted their time, scientific prowess and creativity in conducting this component studies and packaging the results into the scientific articles included in here. Surely, these articles will contribute greatly to the understanding of the nature, problems and management requests of the marginal uplands particularly in light of climate change. More importantly, these would provide new insights and encourage young and vibrant researchers to continue doing research on climate change adaptation to help marginal upland farmers in Eastern Visayas and in other parts of the country.

I thank CHED for the funding support amount to 35M pesos and to Dr. Jose L. Bacusmo, president of VSU for his advice and strong support to all our research initiative.



Othello B. Capuno

PHERnet Program Director &  
Vice President for Research and Extension



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