

**RESEARCH PROGRAMS AND PROJECTS
2010-2012**

A. Externally Funded

R&D Projects	Project Duration	Funding Agency	Research/Workers	Project Cost	Status
Integrity of the Environment and Climate Change Mitigation and Adaption					
<i>Sago Bioresource Assessment for Sustainable Industry Utilization Using Remote Sensing, Geospatial and Suitability Analysis</i> Project: Biophysical Structural and Spectral Characterization of Sago Palm and Its Environment Research Project	2011-2012	DOST-PCIEERD	Engr. Michelle V. Japitana Engr. Meriam Santillan	3,656,540.00	ongoing
Identification And Characterization Of Ni-Hyperaccumulator Species At Carrascal Nickel Corporation In Sitio Gango, Brgy. Bonot, Carrascal, Surigao Del Sur” (Local)	2011-2012	Carrascal Nickel Corp.	Engr. Sonia I. Buscano Engr. Michelle V. Japitana Engr. Meriam Santillan Ms. Cherry I. Tabada Kenneth L. Ciudad Meljan Demetillo Roger E. Sarmiento	Php210,100.00	On-going
Aquatic Insects in important freshwater wetlands in Caraga region	2010-2011	CHED Silliman University ZRC	Rowena P. Varela; Julie Rose S. Degamo	804,000.00	completed
Assessment of the Decline of Mangrove Ecosystem Along Butuan Bay	2010-2011	CHED-ZRC, USM Kabakan	Jess H. Jumawan, Teresita A. Atega	270,000	completed
Antimicrobial and Phytochemical Screening of Some Medicinal Plants Used by the Philippine Mamanwa in Mindanao	2010-2012	CSU-GAA	Levita C. Mapatac	60,000.00	
Survey of Marine Mollusks in Central Visayas	March –October 2012	University of York	Mr. Romell A. Seronay	1,600,000.00	On-going

The Assessment of the Physico-Chemical, Hydrological and Biological Characteristics of the Cagayan de Oro River and the Socio-Economic and Cultural Attributes of the Human Settlement Along the river	September 2011-August 2012	CHED-Liceo de Oro	Meljan T. Demetillo	1,000,000.00	On-going
Distribution and Contamination Assessment of Heavy Metals (Heavy Metal Speciation) and Heavy Metal Enrichment by Principal Component Analysis in the Sediments Samples of the Lower Agusan River, Caraga Philippines	2010-2011	CHED UPLB-ZRC	Rey Y. Capangpangan, Cale P. Pineda, Pearl Sanchez	309,750	completed
Rapid Assessment of Mining Operations/Activities in Areas Within Agusan River (Agusan del Norte, Agusan del Sur and Compostela Valley)	2010	Poyry International	Rey Y. Capangpangan; Sonia I. Buscano; Brigette Yongco, Cale P. Pineda, Meriam Makinano	166,100	completed
Inventory of Proposed and Existing Protected/Watershed/Biodiversity Areas along Agusan River Basin	2010	Poyry International	Eve V. Fernandez, Meljan T. Demetillo, Sheryl L. Paz, Cinderella Dagani	171,600	completed
Assessment of Agricultural and Tree Plantation Development in the Agusan River Basin	2010	Poyry International	Rowena P. Varela, Eve V. Fernandez, Julie Rose Degamo	163,900	completed
Poverty Reduction and Empowerment of the Poor and Vulnerable					
A Henstock Approach to the Characterization of the $IT^{\setminus\{0\}}$ Stochastic Integral	January 2012- January 2013	NRCP	Dr. Jayrold P. Arcede	261,000.00	On-going
Mathematical Modelling of Child Obesity in the Public and Private Grade School of Butuan City	January 2012 – September 2012	DOST-Philippine Council for Health Research and Development	Dr. Jayrold P. Arcede Dr. Miraluna P. Herrera	200,000.00	to start upon release of fund

Selective Sequestering of Ni (II) Ions in Aqueous Solution Using Metal Ion-Imprinted Polymers	January 2011- June 2012	CSU	Deomila A. Basnig Brigette E. Yongco	200,000.00	On-going
Apparatuses Construction and Activity Manual Development of Demonstration Kit for Mechanics	Nov. 14, 2011 – October 2012	CAS-STF	Joey Arles A. Vergara Jonathan P. Manigo Melecio F. Mozo Dr. Eleazar C. Galliguez Benito A. Baje	60,000.00	
Evaluation on the effect of the Pantawid Pamilya (4Ps)/conditional Cash transfer (CCT) to the beneficiaries in the province of Dinagat Islands	Nov. 2011- March 2012	NEDA-RDC Provincial Health Office (Dinagat) Provincial Social Welfare & Development (Dinagat) DepEd Dinagat	Adrilene Mae J. Castaños Ordem K. Maglente Ruth E. Sanchez Chito Baje	331,960.00	not yet started
CSU Ten Hectares Commercial Rice Production Project (In-organic Farming)	2012-2016	CSU-ORG	Dr. Ronelo G. Cablinda	438,730.00	
On K-domination number of graphs	2010	CHED	Rolando N. Paluga	333,480	completed
On Global Defensive Alliance of Graphs	2010	CHED	Esamel M. Paluga	333,480	completed
On Forcing Convexities Numbers of Graphs	2010	CHED	Napoleon M. Gaquing	315,000	completed
Rapid, Inclusive and Sustained Economic Growth					
Adaptation of S&T Based ICM and GAP from Banana in Caraga Region		DOST- PCAARRD		350,000.00	ongoing
Supply Chain Improvement for Abaca: Development and Simulation of a Business Support Model for the Application of Fiber Grades and Standards at the Upstream End of the Chain	2010-2011	DOST- PCARRD	Erico G. Alan	786,900	completed

Awareness and Practices on Solid Waste Disposal in Selected Barangays of Butuan City	2010-2011	CHRDC; Phillip Morris	Lilia Z. Boyles; Allyn Duvin Pantallano	100,000	completed
Assessment of the Student Support Services in NORMISIST	2010-2011	CSU-GAA	Maria Gloria E. Liquido	50,000.00	completed
Development/Enhancement of CSU Macrocomatic Clonal Nursery for Production of Quality Planting Materials in Support to National Greening Program (NGP)	2012	DENR and CSU	Amelyn M. Ambal	3,850,000.00	ongoing

**EXTENSION PROGRAMS AND PROJECTS
2010-2012**

Extension Projects	Project Duration	Funding Agency	Extension Workers	Project Cost	Status
<i>Integrity of the Environment and Climate Change Mitigation and Adaption</i>					
Mangrove Wetland Project	2011-2016	CSU-GAA; LGU-Butuan; Private Sector	Mr. Romell A. Seronay Dr. Miraluna L. Herrera Dr. Esamel M. Paluga Dr. Raquel M. Balanay Arch. Gloria Mae Barrido Dr. Van Leeah B. Alibo Ms. Aisa O. Manlosa Mr. Jess H. Jumawan Dr. Rowena P. Varela	12,000,000.00	ongoing
Feasibility Study on the Establishment of Biomass Power Generation Plant and Energy Crops Plantation in Butuan City	2012	Eight-Japan Engineering Consultants Inc.	For. Roger T. Sarmiento For. Rey N. Cossid	76,000.00	ongoing
EIA on Dredging of Lower Agusan River for Disaster Risk Reduction	2012	LGU-Butuan City	Dr. Van Leeah B. Alibo Mr. Romell A. Seronay Dr. Rowena P. Varela	no amount	ongoing
<i>Rapid, Inclusive and Sustained Economic Growth</i>					
Cardaba ICM and GAP (Rehabilitation Technology for Old Cardaba Banana Plantings)	2009-2012	DOST – PCAARD	Dr. Rowena P. Varela	350,000.00	ongoing
Establishment of an Integrated Organically-Grown Crops and Livestock (A techno Demo) project	2012	DA-BAR	c/o Dr. Tomas M. Austral Jr.	6,000,000.00	On-going
Establishment of an Organic Agriculture training Center	2012	DA-BAR	c/o Dr. Tomas M. Austral Jr.	10,000,000.00	On-going
Bio-Science Project on Insect Power Compost	2012-2014	E's Inc. Japan and City-LGU of Butuan	Dr. Rowena P. Varela; Ms. Ma. Elma D. Quiao		Not yet started

Poverty Reduction and Empowerment of the Poor and Vulnerable					
Adopt-A-School Project (Manapa Integrated School (MIS) Extension project)	June 2010-March 2015	CSU-GAA	Engr. Sonia I. Buscano Mr. Job H. Domingo	75,000.00	ongoing
Agroforestry, Livelihood and Ecotourism Development Program in Tungao, Manila de Bugabos, Mayapay, Butuan City	2010-present	Sandayong Foundation; CSU-CASNR STF	c/o Dr. Tomas M. Austral Jr.	Financial Support given directly to the farming communities	ongoing
Development/Enhancement of CSU Macrocomatic Clonal Nursery for Production of Quality Planting Materials in Support to National Greening Program (NGP)	2012	DENR-NGP	For. Amelyn M. Ambal	3,850,000.00	On-going
Formulation of Barangay Development Plan (LEADER: Literacy, Environment, Advocacy, Development, Economic and Research Program	2011-2012	CSU-CEIT STF	c/o Engr. Sonia I. Buscano	100,000.00	ongoing
Science Education Outreach Project for Grade 3 in Butuan & Agusan del Norte	2011-2012	University of Utah	Mr. Romell A. Seronay Dr. Miraluna L. Herrera Dr. Esamel M. Paluga Dr. Fe de la Cruz Dr. Lilia Z. Boyles Ms. Natalie Daminar	350,000.00	ongoing
Mabuhay Extension Program	2011-2015		Dr. Miraluna Herrera; Dr. Jayrold P. Arcede; Mr. Chito Baje	10,000,000.00	ongoing
Panahian sa Brgy. Pianing	2011-2012	CSE-STF	Dr. Fe de la Cruz	40,000.00	On-going
Gender and Development (GAD)					
Home-based nursery management of tissue-cultured malunggay planting materials with Libas Farmers Women Association in Jabonga, Agusan del Norte	2011-2012	CSU-GAA	Ms. Elizabeth Parac Dr. Rowena P. Varela	75,000.00	ongoing
Home-based Nursery Management of Tissue-Cultured Abaca Planting Materials with the RIC in Tiniwisan, Butuan City	2011-2012	CSU-GAA	Ms. Elizabeth Parac Dr. Rowena P. Varela	75,000.00	ongoing