

**B. INCENTIVE AWARD FOR PAPERS PUBLISHED IN INTERNATIONAL PUBLICATIONS**

<b>Awardee</b>	<b>College</b>	<b>Title of International Paper Presented</b>	<b>Amount of Award Granted</b>	<b>Date Granted</b>
Liza R. Abrenica, et al	CSM	The Influence of Prey on Size, Capture Area and Mesh Height of the orb-web of the Garden Spider, <i>Argiope aemula</i> (Walckenaer, 1841) (Araneae: Araneidae).” Egyptian Academic Journal of Biological Sciences I (I) (2009),pp.65-71	20,000.00	July 27, 2010
Mark Anthony J. Torres Liza R. Abrenica, Cesar G. Demayo, et al.	CSM	Salient features of the orb-web of the garden spider, <i>Argiope luzona</i> (Walckenaer, 1841) (Araneae: Araneidae).” Egyptian Academic Journal of Biological Sciences I (I) (2009),pp.73-83.	20,000.00	July 27,2010
Evelyn C. Creencia, et al		Microwave-Assisted Cadogan Reaction for the Synthesis of 2-Aryl-2H-indazoles, 2-Aryl-1H benzimidazoles, 2-Carbonylindoles, Carbazole, and Phenazine.” Journal of Heterocyclic Chemistry, 46(2009), pp. 1309-1317.	20,000.00	August 17,2010
Mark Anthony J. Torres and Cesar G. Demayo, et al	CSM	“Body Shape Variation Between Two Population of the white <i>Goby</i> , <i>Glossogobius giuris</i> (Hamilton and Buchanan).” Research Journal of Fisheries and Hydrobiology, 5(1) 2010, pp. 44-51.	40,000.00	October 7,2010
Cesar G. Demayo and Mark Anthony J. Torres, et al.	CSM	“Variability in head shapes in three population of the Rice Bug <i>Leptocoris oratorius</i> (Fabricius) (Hemiptera: Alydidae).” Egyptian Academic Journal of Biological Sciences 3 (I) (2010), pp.173-184.	40,000.00	October 7,2010
Mark Anthony J Torres, Liza Adamat, et al	CSM	Development Modules Defining the Shape of the Forewing of <i>Scotinophara coarctata</i> .” Egyptian Academic Journal of Biological Sciences A. Entomology.	40,000.00	December 20,2010

Cesar G. Demayo, et al	CSM	“Geometric Morphometric Analyses of Facial Shape in Twins.” Internet Journal of Biological Anthropology, V4N1(2010)	5,000.00	December 20,2010
Cesar G. Demayo and Mark Anthony J. Torres, et .al	CSM	Systematic Relationships of Rice Black Bugs <i>Scotinophara spp.</i> Inferred Using Nonmetric Multidimensional Scaling technique and Parsimony Analysis.” Egyptian Academic Journal of Biological Sciences 3 (I) (2010), pp.113-131.	40,000.00	December 20,2010
Mark Anthony J. Torres, et al	CSM	“Face Shape of Diabetics and Non-Diabetics Described Using Geometric Morphometrics.” Internet Journal of Endocrinology V6N1(2010)	5,000.00	December 20,2010
Mark Anthony J. Torres, et al	CSM	“Sexual Dimorphism and Morphological Disparity in Size and Shape of the Cranium, Scapula, Mandible and Pelvis of Selected Murid Rodents.” Australian Journal of Basic and Applied Science 4(10) 2010 pp.4323-4335.	40,000.00	December 20,2010
Cesar G. Demayo	CSM	“Face Shape Differences in Selected Indigenous Peoples’ Groups in Mindanao, Philippines” Internet Journal of Biological Anthropology, V4N1(2010)	5,000.00	December 9,2010
Mark Anthony J. Torres and Cesar G. Demayo	CSM	“Relative Warp Analysis of Shape Variability of the Head and Pronotum in Selected Population of the Rice Black Bug.” Australian Journal of Basic and Applied Sciences 4(2010) pp. 4655-4670.	40,000.00	December 9,2010
Hilton J. Aguja	CASS	“The Child Soldier in International Humanitarian Law: Focus on the Moro Islamic Liberation Front in the Southern.” Revue Juridique Polynesiene V16N80(2010) pp183-193.	5,000.00	December 9,2010
Imelda S. Aniversario and Sergio R. Canoy, Jr.	CSM	“The Closed Geodetic Numbers of the Corona and Composition of Graphs.” Utilitas athenica, Vol.82 (2010), pp.135-153.	20,000.00	July 27,2010
Ferdinand P. Jamil, M.P. Laurente and M.B. Macababat	CSM	“Strongly Closed Geodetic Numbers of Graphs” International Mathematical Forum V5N25-28, pp.1277-1290.	5,000.00	July 2,2010

Franco G. Teves and Javier Casqueiro	CSM	“Moonlighting Switch” Mechanism in the Aconitase Family of Protiens: Nanosensor Bi-Functionality of the <i>Penicillium Chrysogenum</i> <i>Homoaconitase Protein</i> .” Journal of Nature Studies 9(1) January-June 2010, pp.149-155.	5,000.00	June 21,2010
Rochelleo E. Mariano and Sergio R. Canoy, Jr.	CSM	Another Look at the Edge Geodetic Covers of Graphs.” Matimyas Matimatika, V32N(2009),pp.25-32.	5,000.00	June 21,2010
Carolina B. Baguio	CSM	Adaptive Robust Estimator of a Location Parameter for Some Symmetric Distributions.” Recent Advances in technologies. In-Tech, India Chapter 13,pp.213-225.	10,000.00	June 3,2010
Olga M.Nuneza, Fritzie B. Ates, Apolinario A. Alicante	CSM	“Distribution of Endemic and Threatened Herpetofauna in Mt. Malindang, Mindanao, Philippines.” Biodiversity and Conservation, V19N2(2010) pp.503-518.	20,000.00	February 11,2010
Rochelleo E. Mariano and Sergio R. Canoy, Jr.	CSM	“Edge Geodetic Covers in Graphs.” International Mathematical Forum. 4(2000) N46 pp.2301-2310.	5,000.00	January 27,2010

# DEPARTMENT OF EXTENSION

The year 2010 marked another achievement year in the area of extension services and community outreach as more and more beneficiary communities requested for technical services or assistances while many of the academic and non-academic units of the Institute were getting involved in civic activities.

During the year, there were 86 extension activities conducted by the different Colleges, semi-academic units, and non-academic units particularly the Colleges of Arts and Social Sciences (CASS), Business Administration & Accountancy (CBAA), Education (CED), Science and Mathematics (CSM), Engineering (COE), Nursing (CON), School of Computer Studies (SCS), School of Engineering Technology (SET), Integrated Developmental School (IDS), Cultural Development Office (CDO), Office of Alumni Relation and Placement, (OARP)

Guidance and Counseling Center (GCC), Institute Medical Services Unit (Clinic), and the Department of Extension (DE).

There were eight forums, 23 seminars, workshops and trainings, seven research and development (R&D) programs, seven feeding programs, 17 technical assistances under the Adopt-A-Barangay or Community Program, two surveys, and 30 miscellaneous community outreach activities such as advocacy, educational enhancement, coastal clean-up, medical and dental mission, gift-giving for indigent families, blood-letting, computer fair and many others.

In the same year, there were two additional barangays in Iligan City (Pugaan and Rogongon) which were adopted by the Institute in cooperation with other partners like the Iligan Medical Center College,

Save the Iligan Rivers Movement, Inc., Philippine Association of Extension Program Implementors, Inc. (PAEPI), Rotary Club of Maria Cristina, and the Department of Education.

- For the Adopt-A-Barangay/Community Program, several activities were implemented by the members of the Institute Extension & Community Involvement Committee composed of several faculty members selected from all academic units of the Institute. There are four barangays in Iligan City and one Municipality in Lanao del Norte which are beneficiaries of the Adopt A Community Program - Bayug Island, Barangay Hinaplanon, Iligan City; Barangay Tibanga, Iligan City; Barangay Puga-an, Iligan City; Barangay Rogongon, Iligan City; and the Municipality of Nunungan, Lanao del Norte. Several activities were undertaken by the faculty such as consultative meetings, trainings





and orientations, activity planning, educational tour or “lakbay-aral”, and coordination in the installation of solar panels and construction of road canals in Nunungan, Lanao del Norte.

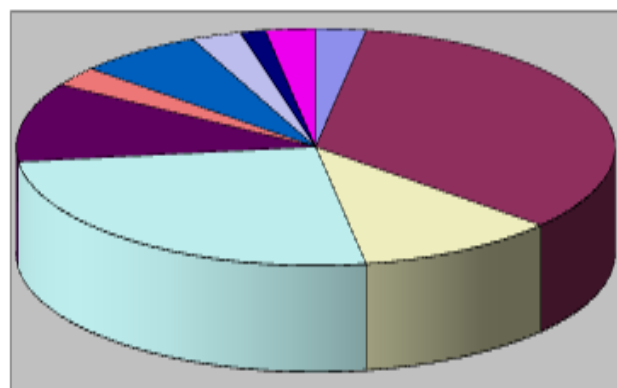
- Conducted the MSU-IIT Bio-Energy Research and Development a joint undertaking of the Department of Extension (DE), College of Engineering (COE), College of Business Administration and Accountancy (CBAA), College of Arts and Social Sciences (CASS), and the School of Engineering Technology (SET). This activity was undertaken with the purpose of conducting a special S & T on bio-energy and promotion of bio-fuel on alternative energy saver.
- The Bio-Energy R&D Project is now completing the 5 models oil-based cooking stove and the shredder machine with the support of the Mechanical Engineering Department of the School of Engineering Technology.
- Assisted in the preparation of the Feasibility Study for the MSU-IIT Technology

Business Incubation Facility ( TBIF ). In December 2010, the Department of Extension completed the preparation of the feasibility study and business plan of the proposed DOST-MSU-IIT P 12 million Technology Business Incubation Facility (TBIF), a special 3-storey R&D facility to be established at the Institute alternative site in Hinaplanon, Iligan City with the support of the Technology Resource Center (TRC).

- Conducted Seminars/Forums on : Seminar on Environmental Management

in Islam, AL-KHALIFA; Forum on Islam Series (Virtue of Love & Righteousness & Leadership); Technology Business Incubation (TBD); Forum on Islamic Values (Virtue of Ramadan);and Forum on Volunteerism.

- Summary of extension and community involvement projects conducted by the Institute’s academic and non-academic units :



- COE
- CASS
- CON
- CED
- CSM
- CBAA
- SCS
- CDO
- OARP
- Guidance

# TECHNOLOGY APPLICATION AND PROMOTION UNIT

The challenge to contribute towards meaningful change and support livelihood development of local communities define the directions of the Technology Application and Promotion Unit (TAPU).

For 2010, the Technology Application and Promotion Unit (TAPU) remained steadfast in implementing R & D Activities in product development and technological innovations as well as supporting programs in technology promotion and capability building.

Working towards these goals are the three centers of TAPU, the Application and Technology Transfer Center (ATTC); the Bamboo Technology Resource Center (BTRC) and the Ceramic Training Center (CTC), each center working on their defined mandate and concerns.

In response to the various technical needs of various sectors and stakeholder communities, the different

centers conducted capability - building programs and technical assistance in building technology, bamboo and ceramic technologies.

The various trade fairs and exhibits attended by the different centers became venues for advertising technological innovations and the products developed utilizing bamboo and clay materials.

- TAPU has been actively involved with the Techno Gabay Program of DOST – PCARRD, a program conceived to support livelihoods and enterprise development of local communities. Bamboo has been identified as the focus commodity for Iligan. As Partner Member Agency in the implementation of the program, TAPU provided technical support and information through the Farmers’ Information and Technology Services (FITS) to end-users in the agriculture,

forestry and natural resources (AFNR) sectors in Iligan City.

- ATTC currently supports technologies on Concrete Interlocking Blocks (CIB); Interlocking Compressed Earth Blocks (ICEB); Reinforced Masonry Design and Construction; Bamboo as a Construction Material with technology partners - **Habitat for Humanity Philippines** (Metro Manila), **J.F. Ledesma Foundation, Inc.** (Negros Occidental), and **PACSII** (Philippine Action for Community-Led Shelter Initiatives, Inc.), Davao City
- BTRC produced various bamboo novelty and souvenir products; plaques and trophies; housewares; and bamboo vases and lamps for various clients / customers which generated income for the center.
- BTRC undertook R& D to create new bamboo product prototypes using certain species of bamboo and developed 11 new product designs.





- BTRC acquired additional handheld equipment for bamboo production to enhance production efficiency and to offer additional equipment to BTRC's Common Service Facility for artisans and producers of bamboo products in the community
- Attended several local trade fairs and exhibits to sell and promote the bamboo and ceramic products and technologies of MSU-IIT - Kalimulan Festival Trade Fair in Cagayan de Oro, MINDA – DOST Cluster Fair and Exhibit in Cagayan de Oro and the trade fairs in MSU –IIT during the Charter Week Celebration and “Tabo sa Pasko” 2010.
- CTC conducted the Ceramic Summer Art Program for children from ages 6 to 13. For four weeks, the children developed their artistic capability and manual dexterity in pottery making.
- CTC conducted testing of clay samples sourced from Linamon, Lanao del Norte as possible raw material for ceramic production.
- CTC produced whiteware and terra cotta and other novelty items for sale and exhibit and also developed a prototype of a smokeless biomass stove.
- BTRC and CTC rendered technical assistance and services to:
  - BS Physics Students holding laboratory classes at the BTRC and producing laboratory equipment using local materials
  - ERDT post-graduate students in their laboratory activities for their dissertation involving clay processing, forming and firing.
  - Senior Ceramic engineering students doing their thesis in Clay processing and mold making
  - School of Engineering Technology students in their laboratory activities on clay
  - Craftsmen & entrepreneurs from Luinab, Iligan City on bamboo design and production

## MULTI MEDIA INFORMATION DISSEMINATION UNIT

The OVCRE's Multi-Media Information and Dissemination Unit (MMIDU) took charge of the publication of the Institute journal, *Mindanao Forum*; the official Institute newsletter, *Gazette*; and the official newsletter of the OVCRE, *Peloba*; and the proceedings of the annual Iligan National Writers' Workshop fulfilling its mission to disseminate information within and outside the Institute through the print and electronic media.

Aside from the publication and dissemination of information,

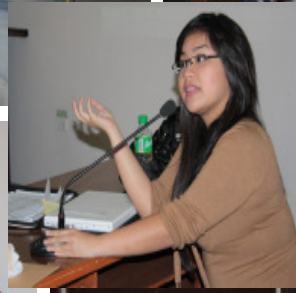
the MMIDU held trainings for print and film for student journalists and interested faculty members. At the same time, it continued to manage the OVCRE's Special Library containing rare *Filipiniana* collection, and books in the social sciences, natural sciences, information technology, applied sciences, mathematics, and in education.

- Published the 16<sup>th</sup> INWW (2009) proceedings titled, *Celebrations: Places and Spaces* edited by Christine F. Godinez-

Ortega; three issues of the MSU-IIT Institute journal, *Mindanao Forum* (June and December 2009 and June 2010); three issues of the Institute newsletter, *Gazette*, three issues of the OVCRE newsletter, *Peloba* and the revision of a compilation of readings for *English 99/250 (Literary Criticism)*.

- Hosted the annual 17<sup>th</sup> Iligan National Writers Workshop (May 24-27, 2010) funded by the MSU-IIT, donations by INWW alumni, panelists and friends; a donation by the National Book





Development Board as well as travel expenses and honoraria of panelists from the National Commission for Culture and Arts Speakers Bureau.

- Hosted two training programs for young filmmakers, the MDG: Citizen Journalism Seminar-Workshop conducted by the Probe Foundation and the In-house Seminar Workshop on Journalism for the Institute Community in June 2010.
- Extended its technical expertise in the preparation of

compilations of course syllabuses, workbooks, college journals, terminal reports and annual reports.

- Hosted the following training programs: MDG: Citizen Journalism Seminar-Workshop (July 27-29, 2010); First In-House Training in Journalism (for *Peloba* and *Gazette* Staff and OVCRE personnel (June 21-22, 2010).
- Exhibited Institute publications during the Taboan 2010: Philippine International Writers Festival, February 10-12,

2010, Casino Espanol, Cebu City

- MMIDU Head, Dr. Christine Godinez Ortega, was elected to two positions in the NCCA National Literary Committee as Vice Head and Coordinator, Central and Northern Mindanao for 2011-2015
- The MMIDU Head also acted as panelist/ lecturer and read papers in various local and international workshops/ seminars and conferences within the year.