



**CENTRAL LUZON STATE UNIVERSITY**



**Research Innovation  
& Development Festival**

***A Celebration of a High Impact CLSU***

**October 11-14, 2022**

**SAILILA E. ABDULA, PhD**

OIC-Director, Bureau of Agricultural Research  
Department of Agriculture  
*Guest of Honor and Speaker*





**Research Innovation  
& Development Festival**

*A Celebration of a High-Impact CLSU*

**October 11-14, 2022**

# Program of Activities

Day	Activity	Venue & Office(s) Involved
<b>DAY 1</b> October 11, 2022 Tuesday	<b>A. Parade/Motorcade</b> 5:30 AM – Assembly Time 6:00 AM – Start of Parade/ Motorcade Attire: CLSU collared - shirt (white with green)  <b>Launching And Blessing of            the Kamalig Model Farm</b> <b>Keeping a Modern Agricultural            Landscape through Integrating            CLSU Generated Technologies</b> <i>Tara na, Mag SiyenSaya sa            AgrikulTOURa</i> 7:00 AM - 9:00 AM  ACTIVITIES: Community Breakfast; Cultural Performance; Ribbon – Cutting; Launching of KAMALIG	Science and Technology Centrum <i>CAO; ISPEAR; NSTP; DOTUNI;            PPSDS; USF</i>  KAMALIG Site <i>R and D Centers</i>
	<b>B. Opening Program of the            Research Innovation and            Development Festival 2022: A            Celebration of a High Impact            CLSU</b> 9:30 AM - 11:00 AM	CEEd Teacher's Hall Amphitheater <i>ARC, IAO, R&amp;E Program</i>
	<b>C. Ribbon-Cutting and Opening            of Exhibits</b> 11:30 AM	FPJ Hall <i>R &amp; E Program;            Academic Affairs Program            (R and D Centers; ARC)</i>
	<b>D. Scientific Poster Presentation</b> 11:30 AM	FPJ Hall <i>R &amp; E Program,            Academic Affairs Program            (R and D Centers; ARC)</i>
	<b>E. Review of Research            and Extension and ARC            Completed Research</b> (Plenary Session) 1:00 PM - 2:00 PM  (Simultaneous Presentations) 2:30 PM	Plenary Session CEEd Teachers' Hall Amphitheater Academic Amphitheater URC Mini-Amphitheater RET Amphitheater R and E Conference Hall <i>R &amp; E Program,            Academic Affairs Program            (R and D Centers; ARC)</i>

Day	Activity	Venue & Office(s) Involved
<b>DAY 2</b> October 12, 2022 Wednesday	<b>A. Review of Research and Extension and ARC On-going Research</b> (Simultaneous Presentations) 8:00 AM - 5:00 PM	CEd Teachers' Hall Amphitheater <i>R &amp; E Program;</i> <i>Academic Affairs Program</i> <i>(R and D Centers; ARC)</i>
	<b>B. Field Tour</b> 9:00 AM - 11:00 AM 2:00 PM - 4:00 PM	Registration Sites: CEd Teachers' Hall Amphitheater FPJ Hall <i>R and D Centers</i> <i>Strategic Communication Office</i>
<b>DAY 3</b> October 13, 2022, Thursday	<b>A. Technology Pitching</b> 10:00 AM - 12:00 NN	Academic Affairs Amphitheater  AFTBI R&D Centers
	<b>B. Professorial Lecture</b> DR. RICHARD RANDLE-BOGGIS Research Associate University of Sheffield United Kingdom 1:00 PM - 3:00 PM	Academic Affairs Amphitheater
	<b>C. Field Tour</b> 9:00 AM - 11:00 AM 2:00 PM - 4:00 PM	Registration Sites: CEd Teachers' Hall Amphitheater FPJ Hall <i>R and D Centers</i> <i>Strategic Communication Office</i>
<b>DAY 4</b> October 14, 2022, Friday	<b>Field Tour</b> 9:00 AM - 11:00 AM 2:00 PM - 4:00 PM	Registration Sites: CEd Teachers' Hall Amphitheater FPJ Hall <i>R and D Center Heads</i> <i>Strategic Communication Office</i>
	<b>Researchers Gala</b> 6:00 PM	Reimers Hall IAO

## Parade/Motorcade

Assembly Area:

Science and Technology Centrum

October 11, 2022

5:30 AM - 6:00 AM

Attire: CLSU collared - shirt (white with green)

Time	Activities	In Charge
5:30 AM	Assembly at the Main Gate Façade	<b>Dr. Jennifer T. De Jesus</b>
	Fireworks	<b>Physical Plant and Site Development Services (PPSDS)</b>
	CAO Performance	<b>Dr. Florante Ibarra Prof. Christine Saturno Mr. Ardie Cabatin Mr. Jezreel Dave Leybag</b>

Route:

- Science Centrum
- University Avenue
- College of Engineering
- Development Communication  
(DevCom)
- College of Business  
Administration and Accountancy  
(CBAA)
- Agriculture and Food Technology  
Business Incubator (AFTBI)
- Zen Garden
- College of Education – KAMALIG

# Launching and Blessing of Kamalig

Keeping A Modern Agricultural Landscape through Integrating CLSU  
Generated Technologies

KAMALIG Site  
October 11, 2022  
7:00 AM

Time	Activities	In Charge
7:00 am	Umagahan sa Manggahan (Breakfast)	
7:30 am	Blessing of the Kamalig Model Farm	<b>Fr. Rufo Ramil Cruz</b> University Chaplain
7:35 am	Ribbon-cutting	CLSU Officials and Guests
7:40 am	Overview of the Kamalig Model Farm	<b>Dr. Armando N. Espino, Jr.</b> Vice President for Research and Extension
7:45 am	Messages	<b>Dr. Edgar A. Orden</b> University President  <b>Mr. Noel A. Catibog</b> Director, Technology Transfer and Promotion Division, DOST- PCAARRD  <b>Hon. Baby Armi L. Alvarez</b> Mayor, Science City of Muñoz
8:00 am	Cultural Presentation	Cultural Affairs Office
8:10 am	Symbolic Tree Planting	CLSU Officials and Guests
8:20 am	Kamalig RIDE Tour	

\*\*\* Agri ATM and PCC at CLSU Mascots will be present during the entire launching

## Opening Program

### Research Innovation and Development Festival 2022: A Celebration of a High-Impact CLSU

CEd Teachers' Hall Amphitheater  
October 11, 2022  
9:30 AM -11:00 AM  
Attire: Barong, Modern Filipiniana

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#### Activity

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Doxology  
*Prayer of St. Francis*  
*Arranged by Robert Delgado*

**CLSU Maestro Singers**  
Dr. Florante P. Ibarra, Choirmaster

Philippine National Anthem

**CLSU Maestro Singers**

Roll Call of Participants

Overview of RiDe Fest 2022

Opening Remarks

**Dr. Renato G. Reyes**  
Vice President for Academic Affairs

Introduction of the Guest Speaker

**Dr. Edgar A. Orden**  
University President

Inspirational Message

**Dr. Sailila E. Abdula**  
OIC-Director,  
Bureau of Agricultural Research

Awarding of Plaque of Recognition  
to the Guest Speaker

Awarding of Plaque of Recognition  
to the Funding Agencies

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## Ribbon-Cutting, Opening of Exhibits and Poster Presentation

FPJ Hall  
October 11, 2022  
11:30 AM - 12:00 NN

Time	Activity	
11:30 am	Brief Introduction of the event/activity	
11:36 am	Ribbon-cutting	<b>Dr. Julius Caesar V. Sicat,</b> Regional Director, DOST Region III  <b>Dr. Juanito T. Batalon,</b> OIC Deputy Executive Director for Research and Development (OED-RD), DOST-PCAARRD
11:41 am	Tour Around the Exhibit Booths	
11:55 am	Photo op at the Photobooth	



# Review of Research and Extension and ARC Completed Research

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## 1<sup>st</sup> DAY

October 11, 2022

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1:00-2:00 PM	PLENARY SESSION <i>Venue: Teachers' Hall (College of Education) Amphitheater</i>
2:30-5:00 PM	RESEARCH CATEGORY Session I-A. Crops <i>Venue: RET Amphitheater</i>
2:30-5:00 PM	RESEARCH CATEGORY Session I-B. Food Product Development, Livestock, Fisheries and Thesis/Dissertation <i>Venue: Academic Affairs Amphitheater</i>
2:30-4:50 PM	RESEARCH CATEGORY Session I-C. Farm Resources and Environment/Engineering <i>Venue: R&amp;E Conference Room</i>
2:30-4:30 PM	RESEARCH CATEGORY Session I-D. Socio-Economics/Education/Sociology, Arts & Humanities <i>Venue: URC Mini Amphitheater (Agrobiological Laboratory Building/SEED LAB)</i>
2:30-6:00 PM	DEVELOPMENT CATEGORY Session I-E. DEVELOPMENT CATEGORY <i>Venue: Teachers' Hall (College of Education) Amphitheater</i>

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## Review of Research and Extension and ARC On-going Projects

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### 2<sup>nd</sup> DAY

October 12, 2022

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|---------------|---|
| 8:00-11:00 AM | RESEARCH CATEGORY<br>Session II-A. Crops and Food Product<br>Development<br><i>Venue: RET Amphitheater</i>  |
| 8:00-3:30 PM  | RESEARCH CATEGORY<br>Session II-B. Farm Resources<br>and Environment/<br>Engineering Research<br>Livestock and Fisheries<br><i>Venue: Academic Affairs Amphitheater</i>   |
| 8:00-3:30 PM  | RESEARCH CATEGORY<br>AND DEVELOPMENT CATEGORY<br>Session II-C. Socio-Economics/Education/Sociology,<br>Arts & Humanities/Development Category<br><i>Venue: Teachers' Hall (College of Education) Amphitheater</i> |
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## Field Tour

Registration Sites:

CEd Teachers' Hall Amphitheater; FPJ Hall

October 12, 2022

9:00 AM - 11:00 AM

2:00 PM - 4:00 PM

Agency / Activity	Head / Director	Contact Person
Assembly and Briefing at StratCom Office / S&T Centrum	Ms. Maria Adrielle Estigoy	Mr. Roberto Miguel Sayco
Ramon Magsaysay Center for Agricultural Resources and Environmental Studies   Highlight: Organic Farming Facilities and Practices	Dr. Maria Luisa T. Mason	Mr. Melchor Pascua
Center for Tropical Mushroom R&D   Highlight: Different Mushroom Varieties and Production of Mushroom Fruiting Bags	Dr. Sofronio P. Kalaw	Mr. Bismark Francisco
Philippine-Sino Center for Agricultural Technology   Highlight: Farm Machineries / Hybrid Rice Laboratories	Dr. Marvin M. Cinense	Ms. Peachy Bernal
Precision and Digital Agriculture Center   Highlight: Smart Indoor Farming / Greenhouse Vertical Farming	Dr. Jonathan Fabula	
Agriculture and Food Technology Business Incubator   Highlight: Food Processing Facilities / Different Products of Incubatees	Dr. Pablo Rafael, Jr.	Ms. Princess Hernando
Nanotechnology R&D Facility   Highlight: R&D Laboratory, Equipment and Products	Dr. Juvy Monserate	
University Research Center*   Highlight: R&D Laboratory, Equipment and Products	Dr. Maria Excelsis M. Orden	
Return to Campus / Venue		
*CLAARRDEC	Dr. Maria Excelsis M. Orden	

## Field Tour

### Registration Sites:

CEd Teachers' Hall Amphitheater; FPJ Hall

October 13, 2022

9:00 AM - 11:00 AM

2:00 PM - 4:00 PM

Agency / Activity	Head / Director	Contact Person
Assembly and Briefing at StratCom Office / S&T Centrum	Ms. Maria Adrielle Estigoy	Mr. Roberto Miguel Sayco
Small Ruminant Center   Highlight: Upgraded Goats / Pelletizing Machine / Goat Dairy Products	Dr. Edgar A. Orden	Mr. Neal Del Rosario
PCC at CLSU   Highlight: Facilities for Water Buffaloes and Dairy Products	Dr. Ericson N. Dela Cruz	Ms. Christine Adriano
Freshwater Aquaculture Center   Highlight: Living Fish Museum / FAC Selected Tilapia Breeders / Tilading Production (UGADO)	Dr. Karl Marx A. Quiazon	Mr. Jemuel Doctolero
Center for Transboundary Animal Disease*   Highlight: R&D Laboratory and Facilities	Dr. Virginia Venturina	
Institute of Climate Change and Environmental Management   Highlight: E-FARM Academy / Biodiversity Museum	Dr. Gella Patria Abella	
University Research Center   Highlight: R&D Laboratory, Equipment and Products	Dr. Maria Excelsis M. Orden	
Nanotechnology R&D Facility   Highlight: R&D Laboratory, Equipment and Products	Dr. Juvy Monserate	
*Biotech and Analytical Lab	Dr. Jerwin Undan	
*CLAARDEC	Dr. Maria Excelsis M. Orden	

# Technology Pitching

Academic Affairs Amphitheater

October 13, 2022

10:00 AM – 12:00 NN

I. Prayer

II. Welcome Remarks & Statement of purpose

**Dr. Ariel G. Mactal**

Vice President,  
University Business Affairs Program

III. Inspirational Message

**Dr. Richard V. Simangan**

Provincial Director,  
Department of Trade and Industry

IV. Presentation Proper

Food Cluster

**Presenter**

1. May V. Villaviza
2. Joel G. Juvinal

3. Gella Patria L. Abella
4. Neal A. Del Rosario

5. Janet O. Saturno
6. Dana G. Vera Cruz

**Product**

Nutri Bar  
Instant Chevon Kapukan, Instant Chevon  
Papaitan, Chevon Jerky/Bakkwa  
Mush Aroy Nutrichips  
Jackfruit-Cashew Flavored Ice Cream, Salad  
Flavored Ice Cream, Chili-Cheese Flavored  
Goats Milk, Cookies and Cream Flavored  
Goats Milk Ice Cream  
Tilading  
Life Bar and Dragondine Syrup

**Cultural Performance**

Non-Food Cluster

**Presenter**

1. Franz Marielle C. Nogoy-Garcia
2. Nestor D. Pagaduan
3. Rodolfo D. Martin
4. Juvy J. Monserate
5. Danilo B. Macato
6. Constancia C. Dacumos
7. Jeffrey A. Lavarias

**Product**

Hybrid Rice Varieties : M38, M82, P10,  
P17, P18, P20  
Special Purpose Rice  
Organic fertilizer  
Nano Healthcare Kits Products  
Plastic Biodigester Tank  
Foliar Fertilizer  
Cacao Sheller (Crioller)

V. Question and Answer

VI. Host & facilitators

VII. Closing Message

**Dr. Dana G. Vera Cruz**

Managing Partner,  
VeraBella Enterprises Limited, Co.

# Researchers Gala

Reimers Hall  
October 14, 2022  
6:00 PM  
Attire: Smart Casual

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## Part I

Invocation	<b>CLSU Maestro Singers</b> Dr. Florante P. Ibarra, Choirmaster
Philippine National Anthem	<b>CLSU Maestro Singers</b>
Message	<b>Dr. Renato G. Reyes</b> Vice President for Academic Affairs
Synthesis Report: 2022 Review of Completed R&D Projects	<b>Dr. Maria Excelsis M. Orden</b> Director, University Research Center
Awarding	
Cultural Intermission	<b>CLSU Maestro Singers</b>
Toast to the Researchers	<b>Dr. Armando N. Espino, Jr.</b> Vice President for Research and Extension

## Part II

## Dinner and Socialization

Parsons N. Hail  
Karryl Angelie G. Abon-Amis  
*Masters of Ceremony*

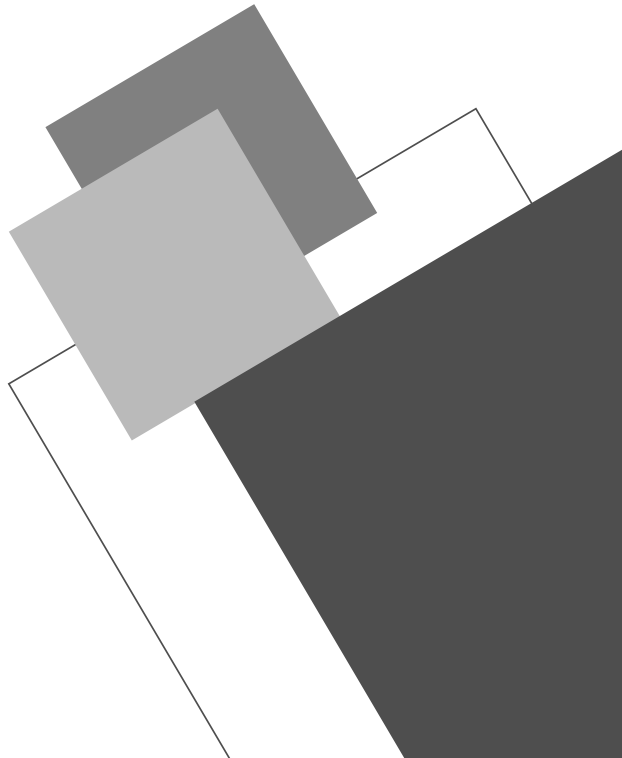
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CENTRAL LUZON STATE UNIVERSITY



# Review of Research and Extension and ARC Completed and On-Going Researches

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1<sup>st</sup> DAY  
October 11,  
2022

**PLENARY SESSION**  
***Venue: Teachers Hall Amphitheater, College of Education***

**Moderator:** Dr. Elmar M. Villota

**Rapporteur:** Prof. Luz A. Jove (URC)  
Ms. Maria Loida D. Irabagon (UEC)

Time	Topics	Speaker
1:00-1:20	Prospects of R & D Investment in AANR Towards Agriculture	Dr. Juanito T. Batalon OIC Deputy Executive Director for Research and Development (OED-RD), DOST-PCAARRD
1:20-1:30	<b>OPEN FORUM</b>	
1:31-1:50	Upscaling S & T Development in Central Luzon	Dr. Julius Ceasar V. Sicat Director, DOST III
1:51-2:00	<b>OPEN FORUM</b>	

## SESSION I. COMPLETED RESEARCHES

### RESEARCH CATEGORY

*Session I-A. Crops*

*Venue: RET Amphitheater*

<b>Moderator:</b>	Dr. Alona T. Badua	
<b>Rapporteur:</b>	Dr. Fernan T. Fiegalan Ms. Noemi C. Ramilo	Mr. Cenon Conrado C. Divina Mr. Sherwin M. Esguerra
<b>Evaluators:</b>	PCAARRD (CRD) Dr. Danilo C. Cardenas Dr. Roel R. Suralta Dr. Quirino D. Dela Cruz	
<b>Time</b>	<b>Title of R&amp;D Program / Project / Study</b>	<b>Name of Presenter* / Researchers</b>
2:30-2:40	Development of PhilSCAT-bred Hybrid Rice for Irrigated Lowland Ecosystem	Leila S. Baldedara*, Zuan Wang, Xiaoming Zeng, Min Wang, Christian S. Guerrero, Val C. Garcia, Franz Marielle N. Garcia, Carlos C. Abon Jr. and Marvin M. Cinense
2:40-2:50	Development of Nutrient Management Decision Tool for Rice Based Onion	Marcial A. Gonzales*, Nenita E. Dela Cruz, Elmer P. Natividad, Jr., Veronica A. Cinense, Joan L. Guirhem, Jessica Tubiano
2:50-3:10	<b>OPEN FORUM</b>	
3:10-3:40	<b>HEALTH BREAK</b>	
3:40-3:50	Use of Localized Weather and Climate Information and Remote Sensing to Improve Crop Productivity in Four Onion Growing Areas of San Jose City and Alcala, Pangasinan	Celynne O. Padilla*, Michael Angelo C. Garcia, Ronaldo T. Alberto
3:50-4:00	Dragon Fruit (Hylocereus undatus and Hylocereus polyrhizus) Peel Utilization and Product Development	Dana G. Vera Cruz*, Judith P. Antonino, Danila S. Paragas, Redel L. Gutierrez, Katherine S. Morales, Ervee P. Landingin, Hannah Grace P. Pestaño
4:00-4:20	<b>OPEN FORUM</b>	

## SESSION I. COMPLETED RESEARCHES RESEARCH CATEGORY

**1<sup>st</sup> Day**  
October 11,  
2022

*Session I-B. Food Product Development, Livestock, Fisheries and Thesis/  
Dissertation*

*Venue: Academic Affairs Amphitheatre*

**Moderator:** Dr. Judith P. Antonino

**Rapporteur:** Dr. Virgilio D. Viernes, Jr. Mr. Daryl F. Espino  
Ms. Ma. Concepcion M. Lagmay

**Evaluators:** Ms. Mina P. Abella  
Prof. Thelma B. Estera  
Ms. Patrizia Camille O. Saturno

Time	Title of R&D Program / Project / Study	Name of Presenter* / Researchers
FOOD PRODUCT DEVELOPMENT		
2:30-2:40	Development of Mushroom-based Functional Foods	Kathlene Claire O. Ganareal*, Renato G. Reyes, Jessica M. Rustia, Venus Q. Lagmay, Matilde Melicent S. Recto, Jahninia G. Sobrepeña, Clyde Jerome J. Cunanan, Jeremy Cariño E. Rivera, Jerome O. Garcia, Dennis V. del Rosario, Jeffrey P. Roque, Ronald T. Gualberto and Reniel N. Paragas
2:40-2:50	Whey Production from Whey of Buffalo Milk Mozzarella Cheese using Different Strain of Saccharomyces cervisieae	Renelyn M. Labindao, May Anne G. Geminiano, Kristina Gracia B. Gelacio, Perla C. Florendo, Daniel L. Aquino, Peregrino G. Duran
2:50-3:00	Formulation of Nutrichips for Disaster Resilience	Geraldine G. Tayag*, Gella Patria L. Abella, Evaristo A. Abella, Arman M. Parayao, Ma. Johanna J. De Dios, Zhandon Paul M. Cario, Jairus Jesse M. Tubal, Shella C. Parreno, Edilyn V. Lansangan
3:00-3:20	OPEN FORUM	
3:20-3:50	HEALTH BREAK	
LIVESTOCK AND FISHERIES		
Evaluators:	PCAARRD (LRD) Dr. Edwin C. Villar	Dr. Tereso A. Abella Dr. Emilio M. Cruz

3:50-4:00	Development of a Dry Format RT-Lamp and Test Kits for Classical Swine Fever Virus (CSFV) and Porcine Reproductive and Respiratory Syndrome Virus (PRRSV)	Clarissa Yvonne J. Domingo, Rizalee S. Pilare
4:00-4:10	Influence of Aquashade Designs Using Nets with Different Shading Capacities on Water Temperature and Reproductive Performance of Nile Tilapia ( <i>Oreochromis niloticus</i> L.)	Emmanuel M. Vera Cruz, Eddie Boy T. Jimenez, Sherwin B. Celestino*, Jairene C. Pinkihan
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4:10-4:20	<b>OPEN FORUM</b>	
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THESIS/DISSERTATION		
<b>Evaluators:</b>	Dr. Ernesto A. Martin Dr. Armando N. Espino Jr.	
4:20-4:30	Survey on Management Practices and Production Performance of Smallhold Goat Farms in Nueva Ecija, Philippines	Leny Lyn M. Del Rosario, Alona T. Badua, Joice V. San Andres, Alvin P. Soriano
4:30-4:40	Design, Fabrication, and Performance Evaluation of a Solar-Powered Paddy ( <i>Oryza Sativa</i> L.) Grain Mixer for Pavement Drying	Dann Jomari C. Cara*, Marvin M. Cinense, Efren A. Dela Cruz, Elmar M. Villota
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4:40-4:50	<b>OPEN FORUM</b>	

**1<sup>st</sup> Day**  
October 11,  
2022

## SESSION I. COMPLETED RESEARCHES RESEARCH CATEGORY

*Session I-C. Farm Resources and Environment/Engineering*  
*Venue: R&E Conference Room*

**Moderator:** Dr. Theody B. Sayco

**Rapporteur:** Dr. Luzviminda S. Quito  
Ms. Liliame M. Suarez

Mr. Amir Ledesma  
Mr. Ricardo G. Morelos, Jr.

**Evaluators:** Ms. Adoracion B. Armada  
Engr. Arlene C. Joaquin  
Engr. Willy F. Sibal

Time	Title of R&D Program / Project / Study	Name of Presenter* / Researchers
2:30-2:40	Development of the Improved Molecular Sensors for Early Detection of Soil and Waterborne Pathogens of Onions: A Preventive Basis for Disease Management	Rubigilda, P. Alili*, Dan Charlie Joy C. Pangilinan, Carl Vincent D. Gapasin, Marilou M. Sarong, Maria Excelsis M. Orden,
2:40-2:50	Evaluation of Portable Diagnostic Kits Using Loop-Mediated Isothermal Amplification (LAMP) Platforms in Detecting <i>Schistosoma japonicum</i> <i>Leptospira</i> spp. in Environmental and Flood Waters	Rubigilda, P. Alili, Renmar, M. Dela Cruz*, Aldrin M. Corpuz, Analiza M. Balaga, Winston A. Palasi
2:50-3:00	Ethnomycology, Mycophagy and Mykopharming of Wild Edible and Poisonous Mushrooms	Mark Adrian G. Del Rosario*, Renato G. Reyes, Rich Milton R. Dulay, Sofronio P. Kalaw, Angeles M. De Leon, Mark Adrian G. del Rosario, Eduardo J. Damaso, Jr., Joshua P. Ramos, Marcelino A. Abon
3:00-3:20	<b>OPEN FORUM</b>	
3:20-3:50	<b>HEALTH BREAK</b>	
3:50-4:00	Molecular Identification, Toxicity Profiling, and Anti-Cancer Screening of Mushrooms in Luzon Island, Philippines	Jerwin R. Undan, Rence Marrion M. Pineda, Dana Theresa De Leon*, Whilden Heart Vino, Renato G. Reyes,
4:00-4:10	Ethnomycological Expedition: Genetic Conservation and Germplasm Preservation of Macroscopic Fungi in Luzon	Jerwin R. Undan*, Shiena Marie C. Fermin, Lariza Mae Pajarillaga, Mike Andre Malonzo, Sofronio P. Kalaw, Angeles M. de Leon and Renato G. Reyes
4:10-4:20	Machinery for Decontaminating Rice Hull as Litter Floor for Broiler Breeder Production	Marvin M. Cinense*, Armando N. Espino Jr., Carolyn Grace G. Somera, Marlon T. Delos Santos, Jayson S. Gelacio, Rolando A. Almerol, Ruth P. Guntang

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4:20-4:30	Application of Improved Molecular tools for Early-warning Intervention Againsts the Important Seedborne Pathogens of Rice Prior to Storage,	Rubigilda Paraguison-Alili, Jeshua Paul P. Antonino*, Dan Charlie Joy C. Pangilinan, Carl Vincent D. Gapasin
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4:30-5:00	<b>OPEN FORUM</b>
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<div> <div> <b>1<sup>st</sup> Day</b>  October 11,  2022 </div> <div> <b>SESSION I. COMPLETED RESEARCHES</b>  <b>RESEARCH CATEGORY</b>  <i>Session I-D. Socio-Economics/Education/Sociology, Arts and Humanities</i>  <i>Venue: URC Mini-Amphitheater (Agrobiological Laboratory Building)</i> </div> </div>		
<b>Moderators:</b>	Dr. Regidor G. Gaboy	
<b>Rapporteur:</b>	Dr. Karenina B. Romualdo Mr. Erwin M. Valiente	Ms. Chezalea Fay A Peña (IT)
<b>Evaluators:</b>	PCAARRD (SRD) Dr. Eric P. Palacpac Dr. Hernaiz G. Malanon Dr. Alice B. Matia	
<b>Time</b>	<b>Title of R&amp;D Program / Project / Study</b>	<b>Name of Presenter* / Researchers</b>
2:30-2:40	Writing Anxiety among Faculty Scholars of Central Luzon State University and its Sex-Disaggregated Data	Sharina Carla S. Mercurio*, Joan C. Ravago, Mercedita M. Reyes
2:40-2:50	Reviving the Vanishing Lullaby songs of Central Luzon	Matilde Melicent Recto*, Florante P. Ibarra, Remedios Z. Panuyas, Gaudencio P. Gallardo, Carlos N. Lamson, Aileen Mae M. Pascual, Reyniel G. Francisco, Marah Kathleen F. Valimento, Frank David O. Pascual, Fernando P. Ferrer, Jr. Jolina A. Dulay, Raven Jorge F. Dones, Romeo J. Pico, Jr., Dianne Princess Mabansag
2:50-3:00	Understanding Araquo: Tracing the Steps, Music and Visuals	Regidor G. Gaboy, Florante P. Ibarra, Adonis Voltaire M. Villanueva, Jay B. Villafria, Jr.*, Paolo Carl E. Soliven, Keiven A. Encarnacion, Gio A. Ferrer, Gennadiy C. Duque, Kem F. Ubaldo, Angielyn Micua
3:00-3:20	<b>OPEN FORUM</b>	
3:20-3:50	<b>HEALTH BREAK</b>	
3:50-4:00	Production and Marketing of Chocolate Flavored Goats Milk	Leny Lyn M. Del Rosario*, Edgar A. Orden, Maria Excelsis M. Orden, Patricia Camille O. Saturno
4:00-4:10	Assessment of the Resources and Capabilities of the Local Government Units (LGUs) in Providing Agriculture and Fisheries Extension Services in Nueva Ecija	Maria Excelsis M. Orden, Rocelyn M. Barroga*, Anna Maria Lourdes S. Latonio, Maria Yna Diane M. Ubaldo, Nikka Orena,

4:10-4:20	Value Chain Analysis of Native Pigs in Central Luzon	Maria Excelsis M. Orden, Edilyn V. Lansangan*, Joselito A. Barroga, Mary Jane P. Pablo
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4:20-4:40	<b>OPEN FORUM</b>
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**1<sup>st</sup> Day**  
October 11,  
2022

**SESSION I. COMPLETED RESEARCHES**  
**Session I-E. DEVELOPMENT CATEGORY**  
*Venue: Teachers' Hall Amphitheater (College of Education)*

**Moderator:** Ms. Maria Loida D. Irabagon

**Rapporteur:** Ms. Cherie Amor P. Urpiano      Ms. Genalyn B. Sebbey  
Ms. Joy Angela N. Cambe

**Evaluators:** Dr. Noel A. Catibog  
Dr. Rodolfo P. Estigoy  
Dr. Joebeat B. Agliam

Time	Title of R&D Program / Project / Study	Name of Presenter* / Researchers
2:30-2:40	The Scaffold of a Seed to Plate Passage of Mestiso 82: The PhilSCAT Hybrid Commercialization Experience	Maria Celia M. Fernando*, Carlos C. Abon, Jr., Patricia P. Bernal, Franz Marielle N. Garcia, Marvin M. Cinense,
2:40-2:50	PhilSCAT Assisted Hybrid Rice Seed Production of Mestiso 82 (NSIC Rc490H)	Francis E. Mina*, Erickson C. Frediles, Reymark, A. Fulgencio, Marvin M. Cinense, Franz Marielle N. Garcia, Carlos C. Abon Jr.
2:50-3:00	Rice and Vegetable Production in Lahar Laden Areas in Zambales: Development and Promotion of Appropriate Technologies to Boost Income and Productivity	Maria Excelsis M. Orden*, Nestor D. Pagaduan, Angelo C. Fermil, Nicasio C. Salvador, Diosdado C. Garcia, Katherine DA. Bautista, and Justine M.
3:00-3:20	<b>OPEN FORUM</b>	
3:20-3:50	<b>HEALTH BREAK</b>	
3:50-4:00	Increasing Farm Household Income through the Establishment of Community-based Dairy Goat Farms	Neal A. Del Rosario*, Edgar A. Orden, Maria Excelsis M. Orden, Leny Lyn G. Manalili-Del Rosario, Jamal James D. Manlapig, George M. Dela Cruz, Jane Camille A. Crisostomo, Kier G. Santiago, Jacquilyn A. Parreno, Ma. Concepcion L. Lagmay, Jovani Jo S. Galamgam
4:00-4:10	CLSU Small Ruminant Nucleus Farm Project	Neal A. Del Rosario*, Emilio M. Cruz
4:10-4:20	Re-designing Tilapia Farming Strategies to the Non-traditional Technology Business Incubation for Improved Tilapia Production	Ravelina R. Velasco*, Ruben A. Reyes, Jhon Christian P. Suyom, Ismael P. Geroza
4:20-4:40	<b>OPEN FORUM</b>	

4:40-4:50	Advancing Fisheries Science Through Scaling up the Undergraduate Programs in a Demand Driven Industry Academe Alliances	Ravelina R. Velasco and Jemuel S. Doctolero*
5:00-5:10	Strengthening the water quality testing capability of CLSU College of Fisheries: Envisioned as DENR Recognized Environmental Laboratory in the Region	Alvin T. Reyes* and Dr. Ravelina R. Velasco
5:10-5:20	Development and Pre-Commercialization of Processed Functional Food Products from Special Purpose Rice, Soybean and Mungbean	May V. Villaviza*, Maria Excelsis M. Orden, Danica Mae N. Pineda, Cherry Ann S. Santa Maria, Darwin G. Dela Cruz
5:20-5:30	Upscale Production and Commercialization of Daerrys Tilapia Ice Cream and Tilapia Cookies	Dana G. Vera Cruz*, Venus Q. Lagmay, Tereso A. Abella, Celyrah B. Castillo, Pablo J. Rafael, Jr., Denise V. De Ramos, Remar Jay V. Neypes
5:30-5:40	Towards Commercialization of Healthy, Convenient and Naturally-fortified Brown and Aromatic Rice-based Products	Charlene Jade S. Cabral, Geraldine G. Tayag, Venus Q. Lagmay*, Alma A. De Leon, Jonathan L. Galindez, Aira Camille J. Ramos
5:40-6:20	<b>OPEN FORUM</b>	

**2<sup>nd</sup> Day**  
October 12,  
2022

**SESSION II. ONGOING RESEARCH  
RESEARCH CATEGORY**

Session II-A. Crops and Food Product Development  
Venue: RET Amphitheater

**Moderator:** Dr. Rosemarie T. Tapic

**Rapporteur:** Ms. Catherine Joy E. Garcia Mr. Ian B. Panahon  
Mr. Jasper Neil R. Mandac

**Evaluators:** Dr. Danilo C. Cardenas  
Dr. Mary Grace B. Gatan  
Dr. Marilyn G. Patricio  
Dr. Ronaldo T. Alberto

Time	Title of R&D Program / Project / Study	Name of Presenter* / Researchers
<b>CROPS</b>		
8:00-8:10	Growth and Yield Assessment Between a 25-cm and 30-cm row Spacing in Mechanically Transplanted Rice	Aldo C. Valdez, Sylvester A. Badua*, Marvin M. Cinense
8:10-8:20	Enhancing Productivity of Rice-Based Organic Farms Through An Efficient Cropping Pattern	Maria Luisa T. Mason, Ruth P. Guntang*, Melchor P. Pascua
8:20-8:30	Varietal Improvement of Special Rice Through Hybridization	Jasper Neil R. Mandac*, Paulina J. Alvaran, Elmer P. Natividad, Jr.
8:30-9:00	<b>OPEN FORUM</b>	
9:00-9:10	Nano-mediated seed priming for Improved Overall Seed Health and Seedling Vigor of Sunflower	Marilou M. Sarong*, Rovel S. Melegrito, Ronber V. Obena, Paul Jhon G. Eugenio, Carl Vincent D. Gapasin and Juvy J. Monserate
9:10-9:20	Enhancing the Grafting Processes for Maximum Grafted Tomato (Kamlong) Seedling Production	Rolando V. Pagaduan, Jr.*
9:20-9:40	<b>OPEN FORUM</b>	
9:40-10:00	<b>HEALTH BREAK</b>	
10:00-10:10	Genetic Conservation and Grain Quality Characterization for Healthier Consumption and More Efficient Breeding of Selected Special Purpose Rice	Paula Blanca G. Aquino*, Jasper Neil R. Mandac, Erick Allain C. Flores, Noemi C. Ramilo, John Dave C. Aquino,
10:10-10:20	Genetic Conservation, High-Value Trait Characterization and Breeding of Sunflower Germplasm as Potential Crop for Beekeeping, Floriculture and Oil Industry in the Philippines	Paula Blanca G. Aquino, Christine Joy S. Manalili*, Erick Allain C. Flores, Catherine Joy E. Garcia, John Dave C. Aquino
10:20-10:30	Varietal Selection and Improvement of Soybeans	Marcial A. Gonzales*, Anna Rose M. Lacanilao

10:30-10:40 Agronomic and Yield Performance  
of Glutinous Rice Introgressed with  
High Yielding Trait in WS 2021 And  
Ds 2022

Franz Marielle Nogoy-Garcia\*,  
Paulina J. Alvaran,  
Elmer P. Natividad Jr.,  
Leah S.M. Dela Cruz,  
Jasper Neil R. Mandac

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10:40-11:30 **OPEN FORUM**

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## SESSION II. ONGOING RESEARCH RESEARCH CATEGORY

**2<sup>nd</sup> Day**

October 12,  
2022

*Session II-B. Farm Resources and Environment/Engineering Researches  
Livestock and Fisheries*

*Venue: Academic Affairs Amphitheater*

**Moderator:** Dr. Jonathan V. Fabula

**Rapporteur:** Ms. Katherine DA. Bautista  
Ms. Gloria N. Ramos

Mr. Santi S. Oguita

**Evaluators:** PhilMech  
Dr. Annie Melinda P. Alberto  
Dr. Nenita E. Dela Cruz

Time	Title of R&D Program / Project / Study	Name of Presenter* / Researchers
<b>FARM RESOURCES AND ENVIRONMENT/ENGINEERING RESEARCHES</b>		
8:00-8:10	Microbial Characterization of Vermicasts Produced from Different Substrates and its Utilization on Selected Vegetables	Abbie Louise E. Cajucom*, Ruth P. Guntang, Rodolfo D. Martin
8:10-8:20	Molecular Sensing of Important Rice and Waterborne Pathogens in Irrigation Waters in Pre & Post Biogenic Organo-Mineral Treatment	Rubigilda, P. Alili, Renmar, M. Dela Cruz, Aldrin, M.* Corpuz, Dan Charlie Joy C. Pangilinan, Carl Vincent D. Gapasin, Paula Blanca G. Aquino, Maria Excelsis M. Orden
8:20-8:30	Bio-Resource Assessment and Conservation Towards Higher Plant Yield in Greenhouse Condition	Roldan T. Quitos, Danila S. Paragas*, Luzviminda S. Quitos, Benedicto D. Pagaduan, Katherine DA. Bautista
8:30-8:50	<b>OPEN FORUM</b>	
8:50-9:00	Calculating Local Emissions for Mitigation Measures Through Greenhouse Gas Inventory	Edmark P. Bulaong*, Evaristo A. Abella, Gella Patria, L. Abella, Sharon E. Lazaro
9:00-9:10	Development of Low-Cost Preservation Protocol for Native and Exotic Mushrooms	Janice S. Aguilar*, Rich Milton G. Dulay, Rence Marrion, M. Pineda, Sofronio P. Kalaw, Renato G. Reyes
9:10-9:25	<b>OPEN FORUM</b>	
9:25-9:50	<b>HEALTH BREAK</b>	
9:50-10:00	Myko-Mining and Myko-Pharming of Wild Edible and Poisonous Mushrooms in Luzon Island, Philippines for their Medicinal Properties	Mark Adrian G. Del Rosario, Renato G. Reyes, Sofronio P. Kalaw, Kathelene Claire O. Ganareal, Garry H. Roque

10:00-10:10	Community Structure and Diversity Rhizobia between Japan and Philippines (Paper)	Maria Luisa T. Mason*, Yuichi Saeki
10:10-10:20	Conversion of Carabao Waste into a Quality Organic Fertilizer through Microbial Fermentation	Eliseo L. Ruiz, Apolonio L. Salazar, Renelyn M. Labindao, Edward C. Paraguison, Ruby G. Gabriel, Disdado Dalusong, Nomer P. Garcia
10:20-10:40	<b>OPEN FORUM</b>	
10:40-10:50	Perception of the Local Communities and Local Government Unit Officials in Abucay and Morong, Bataan towards Biodiversity Conservation of Forest Ecosystems, Agroecosystems and Coastal Ecosystems	Daryl A. Juganas*, Jo Adrienne A. Espiritu, Gella Patria L. Abella, Kathrina M. Mapanao
10:50-11:00	Gender Empowerment through Greenhouse Gas Inventory in Barangay Sto. Tomas, San Jose City, Nueva Ecija	Edmark P. Bulaong, Neal Vincent L. Fernando*, Lea S. Caguiat, Gella Patria L. Abella, Daryl A. Juganas, Roberto D. Pelayo, Teodoro A. Polo
11:00-11:20	<b>OPEN FORUM</b>	
11:20-11:30	Biodiversity and Biological Screening of Ethnomedicinal Species in Aurora, Luzon, Philippines	Evaristo A. Abella, Khristina G. Judan-Cruz, Paul Henric P. Gojo Cruz, Diana C. Castillo, Emmanuel E. Gandalaria, Kristine Grace D. Waing and Luigie A. Villamante*
11:30-11:40	Analysis of Informational Materials In Promoting Awareness on Biodiversity Conservation, Phytoremediation Technology, and Lidar Technology in Selected Local Communities of Zambales, Philippines	Kimberly Joy E. Mata*, Carl Dionelle B. Ponce, Daryl A. Juganas, Gella Patria L. Abella
11:40-11:50	Tractor Mounted Map-Based Manual Variable Rate Sprayer	Sylvester A. Badua*, Armando N. Espino Jr., Marvin M. Cinense
11:50-12:10	<b>OPEN FORUM</b>	
12:10-1:30	<b>LUNCH BREAK</b>	

## LIVESTOCK AND FISHERIES

**Moderator:** Dr. Karl Marx A. Quazon

**Rapporteur:** Ms. Lara Melissa A. Navalta  
Maria Angelee R. Nucos

Mr. Santi S. Ognita

**Evaluators:** Dr. Tereso A. Abella  
Dr. Emilio M. Cruz

Dr. Edwin C. Villar  
Dr. Ernesto G. Martin

Time	Title of R&D Program / Project / Study	Name of Presenter* / Researchers
1:30-1:40	Characterization of a Phytoandrogen (Pine Pollen) and its Potential in Aquaculture Application	Ravelina R. Velasco*, Ruben A. Reyes, Jhon Christian P. Suyom, Ismael P. Geroza, Juvy J. Monserate,
1:40-1:50	Pilot Testing on the Use of Nanogold-Based DNA Probe Rapid Detection Kit for Aeromonas hydrophila	Karl Marx A. Quiazon, Juvy J. Monserate, Daniel Jeric C. Torno*, Arlene L. Madriaga, Kae M. Damian and Jaypee S. Samson
1:50-2:00	Pilot Testing on the Use of Nano (Zeolite-silica) Composites in Freshwater Tilapia Production Systems	Karl Marx A. Quiazon, Juvy J. Monserate, Aries Paul D. Padron*, Jocelyn Jaydi P. Doronio, Jhon Christian P. Suyom, Kebriell Keill P. Arcilla,
2:00-2:20	<b>OPEN FORUM</b>	
2:20-2:30	Performance Evaluation of Local and Imported Sheep under Different Management Systems in Science City of Muñoz, Nueva Ecija	Lara Melissa A. Navalta*, Leny Lyn M. Del Rosario, Neal A. Del Rosario, Jacquilyn A. Parreño, Jovani Jo S. Galamgam, Kier G. Santiago
2:30-2:40	Establishment of Strategic Selection and Breeding Method to Improve the Growth Traits of CLSU Goats	Kier G. Santiago*, Neal A. Del Rosario, Lara Melissa A. Navalta, Jacquilyn, A. Pareño
2:40-2:50	Milk Quality Evaluation of Raw Goat Milk Under Small-Scale Dairy Goat Farms	Leny Lyn M. Del Rosario*, Neal A. Del Rosario, Edgar A. Orden, Evadne S. Veluz, Ma. Concepcion M. Lagmay, Mark Jason J. Domencil
2:50-3:10	<b>OPEN FORUM</b>	
3:10-3:30	<b>HEALTH BREAK</b>	

SESSION II. ONGOING RESEARCHES		
RESEARCH CATEGORY AND DEVELOPMENT CATEGORY		
2 <sup>nd</sup> Day October 12, 2022	Session II-C. Socio-Economics/Education/Sociology, Arts & Humanities Development Category Venue: College of Education Teachers Hall Amphitheater	
<b>Moderator:</b>	Dr. Mari Joy M. Buenavista	
<b>Rapporteur:</b>	Ms. Janet N. Padilla Ms. Rachelle Anne L. Sulit	Mr. Jan P. Bautista
<b>Evaluators:</b>	Dr. Eric P. Palacpac Dr. Hernaiz G. Malanon Dr. Alice B. Matia	
Time	Title of R&D Program / Project / Study	Name of Presenter* / Researchers
<b>SOCIOLOGY, ARTS &amp; HUMANITIES</b>		
8:00-8:10	Inter-consortia Convergence in Socio-Economics R&D: Institutionalization of the Socio-Economics Research and Data Analytics Center	Maria Excelsis M. Orden, Maria Yna Diane B. Manalastas, Anna Maria Lourdes S. Latonio*, Rachelle Anne D. Sulit
8:10-8:20	Marketability of Functional Food Products from Special Purpose Rice, Soybean and Mung Bean	Fernando P. Ferrer, Jr.*, Mari Excelsis, M. Orden, Princess Arka, A. Polo, Janet N. Padilla, May V. Villaviza,
8:20-8:30	A Comprehensive Analysis of The Benefits and Challenges of The E-farm Academy Online Learning Platform	Gella Patria L. Abella*, Mercedita M. Reyes, Cyril Joy V. Balais, Alona Jane E. Diaz, Marry Joy A. Callo, Eduardo L. Dela Cruz Jr., Che Lean C. Cabico, Marvin G. Martinez
8:30-8:40	Eba. Aba? Iba!: Kwentong Bahay Sa Pandemyang Buhay Ng Mga Solong Nanay	Junior M. Pacol*, Baby Jean VC. Jose*, Cristina I. Angeles, Judith R. Angeles, Nenita P. Fabrigas, Jomer A. Tangonan, Marian A. Caampued
8:40-9:00	<b>OPEN FORUM</b>	
9:00-9:30	<b>HEALTH BREAK</b>	



## DEVELOPMENT CATEGORY

**Moderator:** Ms. Janet L. Saturno

**Rapporteur:** Mr. Mark Anthony R. Ibarra  
Mr. Jonard A. Barlaan

**Evaluators:** Dr. Hermogenes M. Pagua  
Dr. Renita SM. Dela Cruz  
Dr. Jocelyn L. Aveno

Time	Title of R&D Program / Project / Study	Name of Presenter* / Researchers
9:30-9:40	Data Analytics Services to Enhance Social and Experimental Research in Luzon	Maria Excelsis M Orden, Maria Yna Diane M. Ubaldo,
9:40-9:50	Promotion of Special Purpose Rice Towards Enterprise Development	Darwin G. Dela Cruz*
9:50-10:00	Digitization of R&D Data to Enhance Planning and Knowledge Management	Ivan Christian L. Salinas*, Maria Excelsis M. Orden, Zierlie DC. Garcia, Princess Arka P. Ragasa, Ryan E. Reyes, Janet N. Padilla, Marcial A. Gonzales Paula Blanca G. Aquino
10:00-10:20	<b>OPEN FORUM</b>	
10:20-10:40	CLAARRDEC's response to COVID19: Pilot production and distribution of naturally-fortified organic and brown rice-based products in Central Luzon	Geraldine G. Tayag*, Alma A. De Leon, Venus Q. Lagmay, Aira Camille J. Ramos, Charlene Jade S. Cabral, Aimee L. Paredes, Kobe Brian D. Salazar, Mizpah Maye L. Vitales, Almira V. Aguirre
10:40-10:50	Touching the Lives and Assisting 4Ps beneficiaries in Talugtug, Nueva Ecija During Pandemic	Maria Luisa T. Mason, Rodolfo T. Villanueva*, Melchor P. Pascua
10:50-11:10	<b>OPEN FORUM</b>	
11:10-11:20	Innovative Agri-Fisheries Extension Program: Agri Aral Tekno Mobil as a Learning on the Go Platform in Central Luzon	Cynthia C. Divina*, Fe L. Porciuncula, Jonathan Galindez*, Emmanuel Vera Cruz, Neal A. Del Rosario, Bismarck E. Francisco, Jonah Jefferson S. Mercado, Queenie P. Peneyra, John Harold D. Dela Rosa, Ericson C. Galut, Vladimir L. Agustin, Adrian Arbi D. Caseja, Santi S. Ognita

10:20-10:30	eFarm (engaging Food & Agriculture Resources Management) Academy: Its milestones and contribution to educate the world on Food Security	Gella Patria L. Abella*, Maria Adrielle S. Estigoy, Celyrah B. Castillo, Renato G. Reyes, Mercedita M. Reyes, Seth Vincent M. Valdez
11:20-11:30	Techno Village Development Program: Boosting Technology Dissemination and Utilization for Countryside Development	Edgar A. Orden, Eugenia G. Baltazar, Randy L. Kwan, Erwin M. Valiente*, Jonathan L. Galindez, Armando C. Lagasca, Johnnah Jefferson S. Mercado, Emmanuel M. Vera Cruz, Janet O. Saturno, Eddie Boy T. Jimenez, Sofronio P. Kalaw, Bismark E. Francisco, Paulina J. Alvaran, Nestor D. Pagaduan, Neal A. Del Rosario, Janet L. Saturno, Melchor P. Pascua, Jean Karla D. Julian
11:30-11:50	<b>OPEN FORUM</b>	
11:50-1:00	<b>LUNCH BREAK</b>	
1:00-1:10	Barangay Management Information System (BMIS) in Support of Local Development Planning and Management in Science City of Muñoz	Maria Concepcion O. De Vera*, Eugenia G. Baltazar, Fermina M. Macanas
1:10-1:20	Capacitating Rural Women through Techno Livelihood Trainings and Projects in Licab, Nueva Ecija	Jerski Jarzen C. Duria*, Armando C. Lagasca, Lolita L. Ponce, Ardenn E. Ponce, Eugenia G. Baltazar, Janet O. Saturno
1:20-1:40	<b>OPEN FORUM</b>	
1:40-1:50	Communal Vegetable Production Using Solar Powered Irrigation System and Tower Garden Technologies: Response to Enhanced Community Quarantine and Beyond	Marvin M. Cinense*, Armando N. Espino Jr., Christopher S. Pascual, Rolando A. Almerol
1:50-2:00	Ensuring sustained availability of ItikPINAS thru the Enhancement of RCR Farm as Multiplier Farm in Central Luzon	Jean Karla D. Julian*, Joice V. San Andres, Kier G. Santiago, Casimiro C. Lalugar Jr., Joseph R. Mendoza
2:00-2:20	<b>OPEN FORUM</b>	
2:20-3:30	<b>HEALTH BREAK</b>	

# Notes

# *Notes*

# Notes



## *Philosophy*

The ultimate measure of the effectiveness of Central Luzon State University as an institution of higher learning is its contribution to and impact on the educational, economic, social, cultural, political and moral well-being and environmental consciousness of the peoples it serves.

## *Vision*

CLSU as a world-class National Research University for science and technology in agriculture and allied fields.

## *Mission*

CLSU shall develop globally-competitive, work-ready, socially-responsible and empowered human resources who value life-long learning; and generate, disseminate, and apply knowledge and technologies for poverty alleviation, environmental protection and sustainable development.

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