



UNIVERSITY OF THE PHILIPPINES VISAYAS

# GRADUATE RESEARCH CONFERENCE 2025

*"Graduate Research Towards Achieving  
Sustainable Development Goals"*

UP VISAYAS ILOILO CITY CAMPUS  
JUNE 21, 2025



# PROGRAM GUIDE

# Graduate Research Conference 2025

"Graduate Research Towards Achieving Sustainable Development Goals"



University of the Philippines Visayas | Gen. Luna St., Iloilo City

## PRE-CONFERENCE EVENT

20 JUNE 2025, GCEB Training Room 1

1:00 –  
5:00

**LECTURE SERIES ON MARINE ECOLOGY AND SUSTAINABILITY**

## CONFERENCE PROPER

21 JUNE 2025, UPV AUDITORIUM

8:00

**REGISTRATION**

8:30

**OPENING PROGRAM**

9:00

**KEYNOTE TALK**

**Usec. Carlos Bernardo O. Abad Santos**

*Department of Economy, Planning and Development*

10:00

**PLENARY PAPER 1**

**Dr. Severino G. Salmo III**

*Associate Professor*

*Institute of Biology*

*College of Science, University of the Philippines Diliman*

10:30

**PLENARY PAPER 2**

**Dr. Johnrev B. Guilaran**

*Associate Professor*

*Division of Social Sciences*

*College of Arts and Sciences, University of the Philippines Visayas*

11:00

**POSTER SESSION**

*Venue: GCEB Lobby*

12:00

**LUNCH**

*Venue: UPV Auditorium*

## BREAKOUT SESSIONS (ORAL PRESENTATIONS)

1:00 –  
4:15

**SESSION 1:** Cluster 1 (Natural Sciences and Fisheries), Competing Papers

*Venue: UPV Little Theater*

1:00 –  
4:30

**SESSION 2:** Cluster 1 (Natural Sciences and Fisheries), Regular

Non-Competing Papers

*Venue: GCEB AVR*

1:00 –  
4:15

**SESSION 3:** Cluster 2 (Management, Professional Education, and Social

Sciences), Competing Papers

*Venue: UPV Auditorium*

1:00 –  
4:30

**SESSION 4:** Cluster 2 (Management, Professional Education, and Social

Sciences), Non-Competing Papers

*Venue: GCEB Training Rooms 1 and 2*

## CLOSING PROGRAM (VENUE: UPV AUDITORIUM)

4:30

**SYNTHESIS AND SUMMARY OF THE CONFERENCE**

4:45

**CLOSING REMARKS**

## POST-CONFERENCE EVENT (Fellowship Night)

21 JUNE 2025, UPV AUDITORIUM

6:00

**REGISTRATION**

6:30

**OPENING PROGRAM**

Welcome Remarks : Graduate School Dean  
Message: Graduate School Secretary

6:45

**FELLOWSHIP DINNER AND START OF HUMAN BINGO ACTIVITY**

7:45

**AWARDING CEREMONIES**

Best Oral and Poster Presentations

Winner of the Graduate School Logo Competition

8:00

**CLOSING REMARKS**

8:05

**PHOTO OP**

8:15

**FINALE**

# PROGRAM

## PRE-CONFERENCE EVENT

20 JUNE 2025, GCEB Training Room 1, UPV Iloilo City Campus

1:00 – 5:00

### UPV Graduate Research Pre-Conference Event Lecture Series

Lecture 1: "Philippine Mangrove Biodiversity in the KMGBF and UNFCC: Uncertainties, Hopes and Inspirations"

**Dr. Severino G. Salmo III**

Associate Professor

Institute of Biology, College of Science, University of the Philippines Diliman, Quezon City

Lecture 2: "Marine Fisheries Ecology Amidst Sustainability Challenges"

**Dr. Nathaniel C. Añasco**

Professor

Institute of Marine Fisheries and Oceanography  
College of Fisheries and Ocean Sciences  
University of the Philippines Visayas

Lecture 3: "Climate Justice and Ecological Resilience in the Oceans"

**Prof. Jessica Dator-Bercilla**

Science Resilience Fellow

National Resilience Council

**Assoc. Prof. Dr. Sheila Mae S. Santander-de Leon**

Discussant

## CONFERENCE PROPER

21 JUNE 2025, UPV Auditorium, UPV Iloilo City Campus

8:00 – 8:30

Registration

8:30 – 8:55

Opening Program

Prayer and National Anthem

Welcome Message

**Prof. Dr. Clement C. Camposano**

Chancellor

UP Visayas

Declaration of the Opening of the UPV GRC 2025

**Prof. Dr. Rodelio Subade**

Dean

Graduate School, UP Visayas

8:55–9:00

Introduction of the Keynote Speaker

**Prof. Dr. Rodelio Subade**

9:00–9:40

Keynote Talk

"Synergy in Action: Research, Policy, and Sustainable Development."

**Usec. Carlos Bernardo O. Abad Santos**

Regional Development Group

Department of Economy, Planning and Development

9:40–9:55

Snacks and Group photo session

9:55–10:00

Introduction of the First Plenary Speaker

**Asst. Prof. Lhumen A. Tejano**

Chair

Cluster 1 – Natural Sciences and Fisheries

10:00–10:25

Plenary Paper 1

"Biodiversity, 'Blue Carbon', and Sustainable Development Goals: Hopes, Challenges, and Opportunities for Graduate Students in the Philippines."

**Dr. Severino G. Salmo III**

Associate Professor/UP Scientist I

Institute of Biology

College of Science

University of the Philippines Diliman

# PROGRAM

10:25-10:30	Introduction of the Second Plenary Speaker <b>Prof. Dr. Reynold D. Tan</b> Chair Cluster 2 – Management, Professional Education, and Social Sciences
10:30-10:55	Plenary Paper 2 “From Research to Reaching Communities: Achieving the Sustainable Development Goals through Sustainable Social Science Research” <b>Dr. Johnrev Guilaran</b> Associate Professor Division of Social Sciences College of Arts and Sciences, University of the Philippines Visayas
10:55-11:00	Opening of Poster Session <b>Asst. Prof. Dr. Cherry P. Añasco</b> Chair Poster Session
11:00 -12:00	Poster Session
12:00 -1:00	Lunch

## BREAKOUT SESSIONS

### Session 1: Cluster 1 (Natural Sciences and Fisheries), Competing Papers Venue: UPV Little Theater

Session Chair: Asst. Prof. Lumen A. Tejano  
Documenter / Timer: Dr. Myla Fe. G. Pinuela  
Technical Support: Christian Falconaga and Junie Paguntalan

1:00-1:15	Introduction to the Session Paper Presentations
1:15 – 1:40	[CL1-CO-01] Influence of squid by-product hydrolysate supplementation on diet attractability, palatability, and muscle growth of <i>Penaeus monodon</i> fed a plant protein-based diet <b>Maila V. Pan</b> and Rex Ferdinand M. Traifalgar
1:40 – 2:05	[CL1-CO-02] Field evaluation of LED lights and electrical stimulation for bycatch mitigation in crab pot fishery, San Miguel Bay, Philippines <b>Aldrin Mel B. Macale</b> , Harold M. Monteclaro, Nathaniel C. Añasco, Ricardo P. Babaran, and Kazuhiko Anraku
2:05 – 2:30	[CL1-CO-03] Isolation and identification of glycosaminoglycans from milkfish <i>Chanos chanos</i> by-products <b>Cyndy G. Condrillon</b> , Sharon N. Nuñal, Mae Grace Nillos, and Leonilo F. Endoma Jr.
2:30 – 2:55	[CL1-CO-04] Ice-ice maybes: Microbiome collaborates with and listens to temperature in the development of a disease in the carrageenophyte <i>Kappaphycus alvarezii</i> <b>Whelver Surnido</b> , Karl Angelo Tenizo, Iris Ann Borlongan, Carmelo del Castillo, Toshiki Uji, and Victor Marco Emmanuel Ferriols
2:55 – 3:20	[CL1-CO-05] Evaluating big-leaf mahogany ( <i>Swietenia macrophylla</i> ) leaf extract as a natural piscicide for controlling invasive blackchin tilapia ( <i>Sarotherodon melanotheron</i> ) <b>Felix John T. Amestoso</b> , Fredson H. Huervana, and Rex Ferdinand Traifalgar
3:20 – 3:45	[CL1-CO-06] Extraction of carrageenan from <i>Eucheuma perlexum</i> using response surface methodology and characterization of its physicochemical properties <b>Irene P. Daet</b> , Sharon N. Nuñal, Tai-Yuan Chen, Jose P. Peralta, Rhoda Mae C. Simora, and Rex Ferdinand M. Traifalgar
3:45 – 4:00	Synthesis and Summary of the Session Awarding of Certificates of Appreciation Photo documentation
4:10-4:15	Return to UPV Auditorium

# PROGRAM

## Session 2: Cluster 1 (Natural Sciences and Fisheries), Regular (Non-Competing) Papers Venue: GCEB AVR

Session Chair: Asst. Prof. Dr. Mark Calabon

Documenter / Timer: Prof. Joven Labore

Technical Support: Jasper Novilla and Junie Paguntalan

- 1:00-1:15 Introduction to the Session  
Paper Presentations
- 1:05 – 1:20 [CL1-RO-01] Bacterial community structure, diversity, and fertility of soil with and without press mud as organic fertilizer in two sites in Panay, Philippines  
**Joswa G. Billonid**, Philip Ian P. Padilla, May Flor S. Muege, Marilyn S. Sumayo, and Jane S. Geduspan
- 1:20 – 1:35 [CL1-RO-02] A preliminary study on the laboratory and tank-based cultivation of *Ulva* (Chlorophyta) from the Philippines by germling cluster technique  
**Eunice Valad-on**, Iris Ann Borlongan, and Obi Roco
- 1:35 – 1:50 [CL1-RO-03] Changes in physico-chemical properties and antioxidant activities during reduced-salt fermentation of green mussel (*Perna viridis*, Linnaeus 1758)  
**Maria France Q. De Vergara**, Ernestina M. Peralta, Sharon N. Nuñal, Lhumen A. Tejano, and Jose P. Peralta
- 1:50 – 2:05 [CL1-RO-04] Microplastics in seaweed farms of Sibutu, Tawi-Tawi, Philippines  
**Diosette Cleo P. Cutas**, Jonalyn P. Mateo, Gency L. Guirhem-Helican, and Sheila Mae S. Santander-de Leon
- 2:05 – 2:20 [CL1-RO-05] Effect of pot designs on crab catchability and selectivity  
**John Rheo P. Dela Cruz** and Harold M. Monteclaro
- 2:20 – 2:35 [CL1-RO-06] Enhancing growth and survival of African catfish *Clarias gariepinus* (Burchell, 1822) fingerlings through salinity optimization in a mixotrophic culture system  
**Francess Dayne Madriaga**, Felix John Amestoso, Arien Jean Lopez, Aira Joy Suarez, and Fredson Huervana
- 2:35 – 2:50 [CL1-RO-08] Picophytoplankton abundance and its relationship to environmental factors in the Batan Bay estuary, Aklan, Philippines  
**Carlo Segador Gregorio** and Cristy S. Acabado
- 2:50 – 3:05 [CL1-RO-10] Women in the current: Perception of women in fisheries on the just energy transition in the lens of a solarization initiative in Brgy. Nayon, San Enrique, Negros Occidental  
**John Rey Vituro Reyes**, Coleen Awit, Cherry Añasco, Melanie Sartorio
- 3:05 – 3:20 [CL1-RO-11] Coastal challenges and economic losses: Realities of selected subsistence fishers in Sto. Niño Sur, Iloilo City, Philippines  
**Jonathan Chris C. Bañas** and Rodelio F. Subade
- 3:20 – 3:35 [CL1-RO-12] Assessment of Microplastic Ingestion by the *Encrasicholina punctifer* Fowler, 1938 (Engraulidae) in Tanganan, Aklan  
**Christian Jay P. Rosal** and Karen A. Villarta-Lane
- 3:35 – 3:50 Synthesis and Summary of the Session  
Awarding of Certificates of Appreciation  
Photo documentation
- 3:50 – 4:05 Return to UPV Auditorium

## Session 3: Cluster 2 (Management, Social Sciences, Education), Competing Papers Venue: UPV Auditorium

Session Chair: Prof. Dr. Reynold Tan

Documenter / Timer: Ms. Gerthorde Charlotte Tan-Mabilog

Technical Support: Angela Sara and Junie Paguntalan

- 1:00-1:15 Introduction to the Session  
Paper Presentations
- 1:15 – 1:40 [CL2-CO-01] Factors influencing teachers' intention to use game-based learning in secondary mathematics  
**Stephen Jhon C. Arellano**, Raphael V. Belleza, Aileen C. Chong, and Jonny B. Pornel

# PROGRAM

- 1:40 – 2:05 [CL2-CO-02] *Panguyang* and its relevance to cultural identity, indigenous knowledge, and sustainable development  
**Sara Jane Capague** and Pepito Fernandez
- 2:05 – 2:30 [CL2-CO-03] Visual thinking routines (VTR) applied in a world literature module: Developing a culture of thinking and literary appreciation  
**Danielle Muriel Suamen** and Aileen C. Chong
- 2:30 – 2:55 [CL2-CO-04] Second language (L2) production: A conceptual framework of metacognitive attributes in on-line speech and language performance  
**Thea Lyn D. Salaya** and Jude Vincent Parcon
- 2:55 – 3:20 [CL2-CO-05] Documenting the local legends and using them as content of a lesson exemplar for developing a sense of identity among grade two social studies pupils  
**Noli A. Barbecho** and Randy M. Madrid
- 3:20 – 3:45 [CL2-CO-06] Factors influencing consumer demand for coworking spaces in Iloilo City  
Ivy Balandra, **Oscar Lui Hallarda**, and Jeanne Renee Nedula
- 3:45–4:00 Synthesis and Summary of the Session  
Awarding of Certificates of Appreciation  
Photo documentation
- 4:10–4:15 Return to UPV Auditorium

## Session 4: Cluster 2 (Management, Social Sciences, Education), Regular (Non-Competing) Papers Venue: GCEB Training Rooms 1 and 2

Session Chair: Prof. Frediezel De Leon

Documenter / Timer: Prof. Martin Ryan Suamen

Technical Support: Anthony Dale Chua and Junie Paguntalan

- 1:00 – 1:15 Introduction to the Session  
Paper Presentations
- 1:05 – 1:20 [CL2-RO-02] A cultural reading of the short film *Tiempo Suerte* for a development of a module for the Sinesosyedad course  
**Cezar Ryan N. Doromal** and John E. Barrios
- 1:20 – 1:35 [CL2-RO-03] Beyond the stage: Exploring the lived experiences of drag artists  
**Knarz Dominique M. Jayme**
- 1:35 – 1:50 [CL2-RO-04] A teaching experience in problem solving: Maritime school mathematics teachers' account  
**Rudy L. Fojas, Jr.**, Jonny B. Pornel, John E. Barrios and Helen Grace Concepcion Q. Fernandez
- 1:50 – 2:05 [CL2-RO-05] An exploration of the Tangyan River's *pamanlò* for the production of a contextualized educational module  
**Gilbert F. Ecuben** and Ma. Arve B. Bañez
- 2:05 – 2:20 [CL2-RO-06] Extent of the use of metacognitive problem-solving strategies in mathematics: Its relationship to problem-solving performance of college freshmen students  
**Alextaire C. Villanueva**, Lovella S. Divinagracia and Jonny B. Pornel
- 2:20 – 2:35 [CL2-RO-07] Variation of pronominal and demonstrative pronouns in two towns of Aklan: Implications on teaching mother tongue in Grades 1 to 3  
**Aya Shaira R. Gabales** and John E. Barrios
- 2:35 – 2:50 [CL2-RO-08] Who's a good boy: Market segmentation of Ilonggo dog owners' spending and preferences  
**Oscar S. Jinon Jr.**, Mejie F. Jucaban, Bea Patricia L. Lataquin, Christie Mae V. Monotilla, Ma. Lindsay S. Reyes and Cheryl Joy J. Fernandez-Abila
- 2:50 – 3:05 [CL2-RO-09] Effects of *Ecstatistakes* on students' academic performance and intention to play educational board games  
**Joanna Marie A. Calibara**, Jonny B. Pornel, Raphael V. Belleza and Vivian Azucena-Topor
- 3:05 – 3:20 [CL2-RO-10] Short story writing experience through experiential learning method among senior high school students  
**Frances Marie A. Montañó** and Jude Vincent E. Parcon
- 3:20 – 3:35 [CL2-RO-11] Language anxiety among the selected School for the Arts learners of Iloilo National High School: A sequential explanatory analysis  
**Glysa Marie T. Regidor-Bunda** and Jessie L. Labiste Jr.
- 3:35 – 3:50 Synthesis and Summary of the Session  
Awarding of Certificates of Appreciation  
Photo documentation
- 3:50 – 4:00 Return to UPV Auditorium

# PROGRAM

## CLOSING PROGRAM

Venue: UPV Auditorium

4:30-4:45

Synthesis and Summary of the Conference

**Dr. Jonny B. Pernel**

Chair, Documentation Committee  
Division of Professional Education

4:45 - 5:00

Closing Remarks

**Prof. Dr. Nathaniel C. Añasco**

GRC2025 Chair  
Steering Committee

**Asst. Prof. Dr. Donne Jone Sodusta and Asst. Prof. Ysabella P. Cainglet**  
Masters of Ceremony

## POST-CONFERENCE EVENT

Venue: UPV Auditorium

### UPV Graduate School Fellowship Night and

### Graduate Research Conference Awarding Ceremony

Theme: *"Grad & Gather: Minds, Mugs, and Mingling"*

Venue: UPV Auditorium

6:00 - 6:30

Registration

Distribution of Human Bingo Cards

6:30 - 6:45

Opening Program

Prayer

National Anthem

Welcome Remarks

**Prof. Dr. Prof. Rodelio Subade**

Dean  
Graduate School, UP Visayas

Inspirational Message

A short inspirational talk emphasizing the value of scholarship, creativity, and community.

**Dr. Nathaniel C. Añasco**

Graduate School Secretary

6:45 - 7:45

Dinner and Start of Human Bingo

7:45 - 8:00

Awarding Ceremonies

Awarding of Best Oral and Poster Presentations

Awarding of the Winner of the Graduate School Logo Making Contest

8:00 - 8:05

Closing Remarks

**Danah Jalandoon - Nieves, MMPM**

Chair, Graduate School Student Council  
Student of DURP

8:05 - 8:15

Photo Ops

8:05 - 8:15

Finale (Sing and Dance!)

**Fergie Joshua Lasugas and Grace Bebiera**

Master of Ceremony

# PROGRAM

## POSTER SESSION

Venue: GCEB Lobby

### Cluster 1 – Natural Sciences and Fisheries, Competing Posters

Poster Session Chair: Asst. Prof. Dr. Cherry P. Añasco

[CL1-CP-01] Examining the perceptions of the community on the sustainability of ecotourism in Malalison Island

**Samuel Dan Elijah B. Sandig** and Liberty N. Espectato

[CL1-CP-02] Characterization of dominant bacterial pathogens in a river contaminated by swine wastewater

Michaela Marie D. Malaya, **Mary Ann G. Gito**, Kyla Kris A. De la Cruz, and Christopher Marlowe A. Caipang

[CL1-CP-03] Characterization and potential applications of cooking juice, a liquid by-product from Skipjack tuna (*Katsuwonus pelamis*) processing

**Janne Angelique D. Ravelas** and Rhoda Mae C. Simora

[CL1-CP-04] Antibiotic resistance patterns in bacterial isolates from loose shell syndrome-affected Mangrove crabs, *Scylla* spp.

**Ivanne Pearl A. Guillermo**, Stephen G. Sabinay, and Christopher Marlowe A. Caipang

[CL1-CP-05] Panikáb: A policy analysis of local scallop fishery laws in the Philippines

**Roma Joy R. Jordan** and Liberty Napilan-Espectato

[CL1-CP-06] Physicochemical and microbial changes in Skipjack tuna (*Katsuwonus pelamis*) viscera during salt fermentation

**Jennifer S. Noveda**, Audrey Mae V. Orillaza, Cindy D. Armada, and Rhoda Mae C. Simora

[CL1-CP-07] Evaluating the effects of stocking density on growth, survival, and deformities of milkfish (*Chanos chanos*) fry in high density tank nursery rearing system

**Arien Jean M. Lopez** and Fredson H. Huervana

[CL1-CP-08] Biodiversity and community structure of Chaetognaths (Eumetazoa: Chaetognatha) around Nogas Island, Philippines

**Darlyn Denise P. Pruebas** and Cristy S. Acabado

[CL1-CP-09] Proximate composition of smoked deboned milkfish (*Chanos chanos*) treated with brine solution

**Allen Mark V. Caños**, Ma. Clarissa I. Tamon, and Audrey Mae V. Orillaza

[CL1-CP-10] Picophytoplankton community structure and responses to physicochemical variations in the back-barrier zone of Batan Bay Estuary, Philippines

**Elize Margareth C. Sibulan** and Cristy S. Acabado

[CL1-CP-11] Distribution, abundance and aspects of ecology of the non-indigenous mussel, *Mytella strigata* (Hanley, 1843) in Batan Bay, Aklan, Philippines

**Michelle De Vera**, Harold Montecarlo, Sheila Mae Santander-De Leon, and Mary Jane Amar

[CL1-CP-12] Boiling the benefits: Exploring the effect of blanching in photoprotective properties of *Kappaphycus alvarezii*

**Karie Mae D. Tolones** and Encarnacion Emilia S. Yap

[CL1-CP-14] Physicochemical properties, bioactive compounds, antioxidant activity, and sensory characteristics of ready-to-drink beverage: Effects of garlic (*Allium sativum*) quantity and heat treatment

**Marichu T. Calizo**, Jihan Santanina S. Alumbro, Emeliza C. Lozada, and S.R. Luzette T. Teruel

[CL1-CP-15] Isolation and characterization of amylase and protease-producing bacteria from the gut of Bigtooth pomfret (*Brama orcini*, Cuvier 1931)

**Brittany Miroslava O. Briton**, Rhoda Mae C. Simora, and Cindy D. Armada

[CL1-CP-16] Waste to wealth: Harnessing bioactive compounds from oyster processing waste using mass spectrometry

**Raymund B. Parcon**, Rhoda Mae C. Simora, and Andrea Roxanne J. Anas



# PROGRAM

## Cluster 1 – Natural Sciences and Fisheries, Regular (Non-Competing) Posters

Poster Session Chair: Asst. Prof. Dr. Cherry P. Añasco

[CL1-RP-01] Bathymetric survey of the Batan Bay Estuary topography using echo sounder: Implications for sediment loading and estuarine management

**Allysa B. Casibo** and Rex B. Baleña

[CL1-RP-02] Sediment profiling and total tin distribution in and around a seaweed farm in Northern Iloilo, Philippines

**Reyland A. Alegroso**, Nathaniel C. Añasco Ph.D., Sheila Mae Santander-de Leon Ph.D., and Mae Grace G. Nillos Ph.D.

[CL1-RP-03] Habitat and distribution of Windowpane shell (*Placuna placenta*) recruits in Southern Iloilo, Philippines

**Jirah P. Mamigo**, Sheila Mae S. Santander-de Leon, Harold M. Monteclaro, and Sheila Villamor-Chumchuen

[CL1-RP-04] Microbial risks associated with undercooked oysters (*Magallana bilineata*): A foodborne pathogen study

**Lean S. Segura**, John Kelly G. Padernilla, Ivanne Pearl A. Guillermo, Chenille Kaye L. Galvan, Stephen G. Sabinay, and Christopher Marlowe A. Caipang

[CL1-RP-05] Windowpane oyster (*Placuna placenta*) meat powder: Process optimization and characterization

**Jessierey Heart C. Gabo**, Sharon N. Nuñal, Lhumen A. Tejano, and Encarnacion Emilia S. Yap

[CL1-RP-06] Behavioral response of terrestrial Hermit crabs (*Coenobita* spp.) to varied habitats and an introduced attractant

**Francis Conrad B. Deloria**, Shophia Lyn A. Andicoy, Mae Rose B. Huete, Hannah Jane S. Parreñas, and Sheila Mae Santander-de Leon

[CL1-RP-07] A review of milkfish aquaculture in davao region towards sustainability: challenges, innovations and future prospects

**Arien Jean M. Lopez** and Fredson H. Huervana

[CL1-RP-08] Assessing the perceived ecotourism sustainability in Kuliatan Marine Sanctuary, San Joaquin, Iloilo through key informant interview

Hazel Coleen G. Gaya, **Jenelyd A. Breña**, and Liberty N. Espectato

[CL1-RP-09] Gut content analysis of Mackarel scad, *Decapterus macarellus* (Cuvier, 1833) from Miagao, Iloilo

**Hannah Jane S. Parreñas** and Christian James C. Morales

[CL1-RP-10] Physicochemical and functional properties of fish solubles from tuna processing wastes

**Karmelie Jane M. Monaya** and Rhoda Mae C. Simora

[CL1-RP-11] Vitellogenin gene expression and testis histology of Eyebrow goby (*Oxyurichthys ophthalmonema*) after injection with 17 $\beta$ -estradiol

Analyn C. Sa-an and **Nathaniel C. Añasco**

[CL1-RP-12] Textural and compositional insights into the sediment provenance of Nogas Island Beach, Philippines

**Patrick Andre B. Fernandez**, Sheila Mae Santander de-Leon, Christian James C. Morales, Gency L. Guirhem, Allan Gil S. Fernando, and James C. Refran

[CL1-RP-13] Diet composition of Slender red scad, *Decapterus smithvanizi* Kimura, Katahira & Kuriwa, 2013 from Miagao, Iloilo

**Shophia Lyn A. Andicoy** and Christian James C. Morales

[CL1-RP-14] The life history and the environmental factors influencing the growth of the Indian squid, *Uroteuthis duvaucelii*

Jessica M. Legaspi, **Annabelle del Norte-Campos**, Alexanra Bagarinao-Regalado, and Wilfredo L. Campos

# PROGRAM

[CL1-RP-15] Morphometric characteristics and trophic ecology of *Selar crumenophthalmus* in Miagao, Iloilo: Insights from gut content analysis and feeding behavior assessment

**Mae Rose B. Huete** and Christian James Morales

[CL1-RP-16] Characterization of *Priestia flexa* from earthen pond sediments a potential probiotic to improve water quality in Pacific white shrimp (*Litopenaeus vannamei*) grow-out culture

**Jayfe Joy S. Iguales**, Mae Grace G. Nillos, Rex Ferdinand M. Traifalgar, and Rowena E. Cadiz

[CL1-RP-18] Growth and salinity stress tolerance in early juvenile milkfish *Chanos chanos*: Effects of dietary ulvan from *Ulva intestinalis*

**Vyenge Erre D. Gayosa**, Lovelyn Marie Nievaes-Naluaran, Mark Henry F. De Leon, Mary Jessa Bell B. Pagapulan, and Rex Ferdinand M. Traifalgar

[CL1-RP-19] Effects of short-term low pH exposure on morphology, behavior, survival, and histopathology of Saline-tolerant tilapia (UPV SPIN) fingerlings

**Vyenge Erre D. Gayosa**, Cleresa S. Dionela, Dennis A. Pron, Ivy S. Arizapa, Sanny David P. Lumayno, Rowena E. Cadiz, and Rex Ferdinand M. Traifalgar

[CL1-RP-21] Green banana flour (*Musa acuminata* × *balbisiana*):

Characterization and potential applications in food

Ricardo J. Palmares III, **Kane Janzseen V. Verayo**, and Jihan Santanina S. Alumbro

[CL1-RP-22] Assessment of tide pools and associated benthic organisms in Nogas Island, Anini-y, Antique, Philippines

**Ellen Rose Torremoro**, Carl Bryle M. Rosal, Josave D. Oczon, Ferlyn Legarde, Patrick Fernandez, and Sheila Mae S. Santander-De Leon

[CL1-RP-23] Evaluation of Golden apple snail (*Pomacea canaliculata*) foot tissue meal as an ingredient in the gonad maturation diet of female shrimp (*Penaeus vannamei*) broodstocks

**Mary Jessa Bell B. Pagapulan**, Rex Ferdinand M. Traifalgar, Sanny David P. Lumayno, Fredson H. Huervana, and Dennis K. Gomez

[CL1-RP-24] Fibroblast growth factor (FGF) signaling regulation in the pentaradial symmetry of the painted sea urchin (*Lytechinus pictus*)

**Eugenie Marie A. Almira**, Jerry Ian L. Leonida, Nathaniel C. Añasco, Ph.D., Victor Marco Emmanuel N. Ferriols, Ph.D., Yi- Hsien Su, Ph.D.

[CL1-RP-25] Evaluation of mycomeal as soybean meal replacement in the diet of freshwater tilapia (*Oreochromis niloticus*)

**Mark Henry F. De Leon** and Rex Ferdinand M. Traifalgar

[CL1-RP-26] The heat is on: Blanching to enhance the photoprotective potentials of *Kappaphycus alvarezii*

**Karie Mae D. Tolones** and Encarnacion Emilia S. Yap

[CL1-RP-27] Photosynthetic response and recovery of *Kappaphycus* spp. on short-term crude oil exposure

Reyland A. Alegroso, Carl Bryle M. Rosal, **Eugenie A. Almira**, and Jonalyn P. Mateo

[CL1-RP-28] Development of functional canned Bigtooth pomfret (*Brama orcinii*, Cuvier 1931) for commercial production

**Ma. Clarissa I. Tamon**, Allen Mark V. Canos, and Cindy Armada

# PROGRAM

## Cluster 2 – Management, Professional Education, and Social Sciences, Competing Posters

Poster Session Chair: Prof. Leah A. Araneta

[CL2-CP-02] Panakayon: Development of contextualized 3H's game-based learning material

**Jamie Marie Icasas Nacabu-An**, Jonny B. Pornel, Dominique J. Maquiran, and Raphael V. Belleza

[CL2-CP-03] A rapid assessment criteria for a city jail establishment in Cadiz City, Negros Occidental

Wreya Forquiado, **Angel Grace Camiros**, Ma. Liwayway Olmos, Jan Wella Rabulan, and Gelli Danielle Gellilang

[CL2-CP-04] Who values what ? A study of non-monetary incentive preference in Iloilo City's BPO sector

**Gino G. Dating**, Anne Marie T.Gepuela, Isiah Keish T. Torres, and Reynold D. Tan

## Cluster 2 – Management, Social Sciences, Education, Regular (Non-Competing) Posters

Poster Session Chair: Prof. Leah A. Araneta

[CL2-RP-01] Teaching photosynthesis and cellular respiration: Analyzing Biology 9 teachers' TPACK mastery, practices, challenges and resources

**Judy Ann G. Advincula** and Marie Frances J. Nievaes

[CL2-RP-02] Developing a lesson plan in Pearson sample moment correlation that promotes statistical thinking

**Virgelio Abalayan, Jr.** and Jony B. Pornel, Ph.D.

[CL2-RP-04] Coastal resource management of the Local Government Unit of San Joaquin

**Karren Grace Babiera**, Rudelyn Landoy-Olvido, Mellisa Jan Safulno, Rowen Jane Trabasas, and Mary Rosel Rebuena

[CL2-RP-08] Inside BIR Iloilo: Understanding the drivers of job satisfaction

Daenielle May S. Calanoy, **Jielyna P. Prado**, Nychelle Anne Ryss D. Santiago and Reynold D. Tan, Ph.D.



UNIVERSITY OF THE PHILIPPINES VISAYAS

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