



**Parallel Session 1****Fisheries Biology and Oceanography 1**

Claude Andrews Convention Center

**Moderator: Dr. Wilfredo Campos**  
University of the Philippines –Visayas

**Rapporteur: Dr. Alex Camaya**  
Bicol University, Tabaco Campus  
Tabaco City, Albay

**A Network of High Frequency Doppler Radio Scatterometers for Luzon Strai**

Charina Lyn\_Amedo-Repollo, Cesar L. Villanoy,  
Jian-Wu Lai, Hwa Chien, Jeffrey Peter Maloles, Dhon  
Xean Bobis, Aiko del Rosario and Pierre Flament  
UP Diliman, Quezon City

**Gonad and Egg Quality of the Sea Urchin *Triplaneustes gratilla* From Seagrass- and Seaweed-dominated Habitats in a Typhoon-prone Region**

Helen Grace P. Bangi and Marie Antonette Junio-  
Meñez  
CSU Aparri Campus, Maura, Aparri

**Variability of Kuroshio Geostrophic Flow in Eastern Luzon Using Satellite Altimetry Data**

Dhon Xean Bobis, Charina Lyn Repollo, and Cesar  
Villanoy  
UP Diliman, Quezon City

**Seasonal and Interannual Variability of Mesoscale Eddy Tracks with NEC Bifurcation Latitude**

Aiko Love B. del Rosario, Charina Lyn Amedo-  
Repollo and Cesar L. Villanoy  
UP Diliman, Quezon City

**Regional Intra-Specific Variability of Sagittal Otolith Shape in Seagrass *Siganids* *Siganus canaliculatus***

Renan U. Bobiles, John Dave C. Ceneta, Jon Nekko  
Borlagdan and Victor S. Soliman  
Bicol University Tabaco Campus  
Tabaco City, Albay

**Population Structure of *Selaroides leptolepis* (Cuvier, 1833) in Central Philippines Based on Cytochrome Oxidase I (COI) Gene Sequences**

Lorenzo C. Halasan and Paul John L. Geraldino  
University of San Carlos Talamban Campus, Cebu City

**Parallel Session 2****Fisheries Resource Management 1**

CSU Hostel Lobby

**Moderator: Dr. Mudjekeewis Santos**  
DA-NFRDI

**Rapporteur: Dr. Jayvee Saco**  
Batangas State University

**Integrated Coastal and Ocean Management for Coral Reef Conservation: Thinking from the Philippine MPAs and Japanese Policy Instruments**

Teruyuki Shinbo  
Kochi University, Kochi, Japan

**The Coral Reef Status of Tablas Island, Romblon, Philippines: A Baseline for Conservation and Management**

Jeric B. Gonzalez, Boromeo B. Motin, Vincent Jay H.  
Gado, Bernie G. Mantes, Mae Stella A. Fornal, Delbert  
F. Fornal and Mary Joy F. Fetalver  
School of Fishery and Technology, San Agustin  
Campus, Romblon State University

**Status of Coral Reefs in Lagonoy Gulf with Emphasis on Marine Protected Areas**

Antonino B. Mendoza Jr., Romeo B.  
Asejo Jr. and Michael C. Borejon  
Bicol University Tabaco Campus Tabaco City, Albay

**Tourism Attractions Inventory in Malabungot Protected Landscape and Seascape (MPLS): Developing Potential Towards Sustainable Fishery Resource**

Josenia M. Penino and Raul G. Bradecina  
Partido State University  
Goa, Camarines Sur

**Status of Mangrove Communities in Malabungot Protected Landscape and Seascape**

Jasper R. Nieves and  
Raul G. Bradecina  
Partido State University  
Goa, Camarines Sur

**Status of Seagrass and Seaweed Beds in Malabungot Protected Landscape and Seascape**

Xavier Jules A. Dioneda and Ronnel R. Dioneda Sr.  
Partido State University  
Goa, Camarines Sur

**Molecular Identification of "Abo" from San Miguel Bay, Philippines**

Teresa N. Avila, Raul G. Bradecina and Satoshi Kubota  
Kochi University, Kochi, Japan

**Sinusoidal Growth, Mortality and Yield-per-recruit of Buried Fan Scallop (*Mimachlamys funebris*, Reeve 1953) Using Different Estimates of Natural Mortality**

Ian Cris R. Buban, Christian C. Cabiles, Alex P. Camaya, Renan U. Bobiles and Victor S. Soliman  
Bicol University Tabaco Campus  
Tabaco City, Albay

**Food and Feeding Habit of Freshwater Eel (*Anguilla* spp.) in Rivers and Tributaries Along Lagonoy Gulf, Philippines**

Plutomeo M. Nieves and John Christopher C. Nolia  
Bicol University Tabaco Campus  
Tabaco City, Albay

**Meso- and Microplastic Occurrences in the Gastrointestinal Tract of Yellowfin Tuna (*Thunnus albacares*, Bonnaterre, 1788) from the Fish-landing Site in Tabaco City, Albay, Bicol, Philippines**

Marvy Claire N. Mortega and Ma. Kristina O. Paler  
University of San Carlos Talamban Campus, Cebu City

**The Interspecific Relationship of a Facultative Shrimp-goby Association in the West Pacific**

Sota Kirihara, Yumi Henmi and Gyo Itani  
Kochi University, Kochi, Japan

**Symbiotic Ecology and Morphometry of an Alpheid Shrimp *Stenalpheops anacanthus* Collected from Crustacean Burrows in Tokyo Bay, Japan**

Kristian Q. Aldea, Yumi Henmi, Jonel M. Corral and Gyo Itani  
Kochi University, Kochi, Japan

**Fish Community Assemblages in Artificial Reefs in the 5th District of Leyte, Philippines**

Art Russel R. Flandez  
Visayas State University  
Baybay, Leyte

**Fish Assemblages in the Coastal Waters of Malabugot Protected Landscape and Seascape**

Joel B. Balasta and Noel P. Umbao  
Partido State University  
Goa, Camarines Sur

**Fishery Dependent Survey of Fishes and Fishing Gears in Two Coastal Towns of Isabela**

Princess Queen A. Emperador, Frances Vany R. Santiago and Glycinea M. De Peralta  
CSU Aparri Campus  
Maura, Aparri

**Glass Eel Abundance and By-catch Monitoring for Sustainable Aquaculture Utilization: Cagayan State University-Aparri and Local Government Unit of Gonzaga, Cagayan Initiative**

Ernesto S. Del Rosario Jr., John Phillip B. Tabasin, Jomar R. Realica and Aljohn B. Banares  
CSU Aparri Campus  
Maura, Aparri

**High Exploitation of the Fishery for Scallop *Chlamys macassarensis* in Asid Gulf, Philippines**

Christian D. Cabiles,  
Bicol University Tabaco Campus  
Tabaco City, Albay

## DAY 2 -NOVEMBER 20, 2019

8:00 – 9:00 A.M.

### Poster Display Presentation and Competition

Title of Abstract	Authors
Bacteriological Assessment of Water and Soil of Nabao Lake in Cabiao, Nueva Ecija	Jhon Christian P. Suyom, Karl Marx A. Quiazon, Alvin T. Reyes and Janet O. Saturno
Some Aspects of the Reproductive Biology of the Spotted Stinger, <i>Inimicus sinensis</i> (Valenciennes, 1833), in Carles, Iloilo, Philippines	Emmanuel S. Delloro Jr. and Ricardo P. Babaran
Abundance and Diversity of Macroinvertebrates Along the Coral Reefs of Lagonoy Gulf with Notes on Algal Herbivory	Michael C. Borejón, Antonino B. Medoza, Joshua Karl B. Bista and Plutomeo M. Nieves
Juvenile Coral Density as an Input to Coral Resilience in Selected Marine Protected Areas of Lagonoy Gulf, Philippines	Joshua Karl B. Bista, Antonino B. Mendoza Jr., Plutomeo M. Nieves and Michael C. Borejón
Species Composition, Stand Characteristics, Aboveground Biomass and Carbon Stock of Mangroves in Panabo Mangrove Park, Panabo City, Davao del Norte, Philippines	Jemer A. Alimbon and Mark Ronald S. Manseguiao
Fishery Dependent Survey of Molluscs in Maconacon and Divilacan, Isabela	Sheena P. Batacan, Kathleene Ela R. Bugarin, Jeza Mae R. Castillo and Vivial Mae M. Gallo
Why are Seagrass Siganids Maturing Early?	Victor S. Soliman and Renan U. Bobles
Embryonic Development of Blackchin Tilapia ( <i>Sarotherodon melanotheron</i> ) in Freshwater	Quennie M. Bilugan
Fish Composition and Diversity in Inland Waters of Nueva Ecija: The Cases of Nabao Lake in Cabiao and Sumacbao River in General Tinio	Cherry Ann G. Kindipan, Jose S. Abucay and Ravelina R. Velasco
Rhizofiltration Potential of Floating Aquatic Macrophytes (FAMs) in Nile Tilapia ( <i>Oreochromis niloticus</i> L.) Tanks	Niko A. Macaraeg and Janet O. Saturno
Molecular Identification and Occurrence of Anisakis Nematodes Harboring Mackerel Scad, <i>Decapterus macarellus</i> (Cuvier, 1833) in the Waters of Bolinao, Pangasinan	Aries Paul D. Padron, Claire Samantha T. Juanico, Casiano H. Choresca and Karl Marx A. Quiazon
Economic Impact of Invasive Species, Blackchin Tilapia ( <i>Sarotherodon melanotheron</i> ) on Selected Milkfish ( <i>Chanos chanos</i> ) Farms in Dagupan City by Partial Budgeting Analysis	Danica May A. Lawagan, Aries Paul D. Padron and Judith A. Teaño
Anesthetic Effect of Sodium Bicarbonate at Different Concentrations on Molobicus ( <i>Oreochromis niloticus</i> X <i>Oreochromis mossambicus</i> ) Fingerlings	Aubrey D. Belingon and Remedios B. Bolivar
Physico-chemical Characteristics of Water and Sediment Quality of Selected Aquaculture Sites in the Northwestern Part of Taal Lake, Batangas, Philippines	Jesus Paolo B. Cullado, Joselito S. Miranda, Reginor Lyzza A. Roque, Donnie Ray G. Sanchez and Lorenz J. Fajardo
Isolation, Molecular Identification and Probiotic Characterization of Microbiota from the Gut of Orange Spotted Grouper ( <i>Epinephelus coioides</i> )	Victoria N. Malaya, Christian C. Molina, Glor B. Alcantara, Florentino R. Elizaga, Manily J. Jucutan, Princess T. Raguindin and Mark Joseph S. Tabilin

**PLENARY SESSION 2**  
(Claude Andrews Convention Center)

**9:01-9:20 A.M.      Plenary Talk 3**

**Dr. Mudjekeewis D. Santos**  
Scientist II  
National Fisheries Research and Development Institute  
Quezon City, Philippines

"Kuroshio Current: What it means to Philippine Fisheries  
Management and Climate  
Change Adaptation"

**9:21-9:40 A.M.      Plenary Talk 4**

**Dr. Satoshi Kubota**  
Professor  
Graduate School of Integrated Arts and Sciences  
Kochi University  
Kochi, Japan

"Launching Collaborative Projects with Biotechnological  
Techniques under  
Kuroshio Science Ph.D. Network"

**9:41-10:00 A.M.      Open Forum**

**Moderator**

**Dr. Plutomeo Nieves**  
Bicol State University Tabaco Campus  
Tabaco City, Albay

**Rapporteur**

**Dr. Nico Jose Leander**  
BFAR R03

**Parallel Session 3****Fisheries Socio-Economic, Seafood Safety and Processing Technology 1**

Claude Andrews Convention Center

**Moderator:** Dr. Teruyuki Shinbo  
Kochi University

**Rapporteur:** Mr. Antonino Mendoza  
Bicol University

**Developing Resiliency Among Resource-dependent Coastal Communities Along Maqueda Channel of Caramoan, Philippines**

Charlie V. Balagtas  
Partido State University  
Goa, Camarines Sur

**Vulnerability and Response to Climate Change Impacts: The Case of Atulayanons, Sagnay, Camarines Sur, Philippines**

Cristina P. Lim  
Partido State University  
Goa, Camarines Sur

**Perceptions of Coastal Villagers on the Value of Mangroves in Cagayan Province, Philippines**

Emma L. Ballad and Cecille B. Mangabat  
BFAR RO2, Carig, Tuguegarao City

**Value Chain Analysis of Abalone Trading in Lahuy Group of Island in Caramoan, Camarines Sur, Philippines**

Karlo Pedro L. Medroso II, Joel B. Balasta and Percival O. Ebron  
Partido State University  
Goa, Camarines Sur

**Mussel Farmers' Knowledge, Perceptions and Willingness to Adopt Longline Culture Technology in Pilot-Test Sites of Sorsogon, Capiz and Pangasinan Green Mussel (*Perma viridis*) Areas**

Raul Bradecina  
Partido State University  
Goa, Camarines Sur

**Mitigating the Impact of Hazards to the Fishing Community of Nato in the Municipality of Sagnay, Camarines Sur using Participatory Approach to BDRRM Planning**

Maria Christina Gumba  
Partido State University Sagnay Campus

**Parallel Session 4****Fisheries Biology and Oceanography 2**

CSU Hostel Lobby

**Moderator:** Dr. Evelyn C. Ame  
BFAR R02

**Rapporteur:** Dr. Helen Grace Bangi  
CSU Aparri

**Differences in Reproductive Capacity of Sardine Stocks from Different Fishing Grounds: Environment or Fishery-induced?**

Wilfredo L. Campos, Alexandra A. Bagarinao-Regalado, C.J. L. Almaquer, Jiye Kwon, Liezel C. Paraboles and Lucas R. Felix  
UP Visayas, Miag-ao, Iloilo

**Growth Performance of Hatchery-reared Sandfish (*Holothuria scabra*) Juveniles in Sea Pens Across Various Sites in the Philippines**

Allyn Duvin S. Pantallano  
MSU Naawan Foundation for Science and Technology Development Inc.

**Seasonal Distribution of *Scomber* (*Scomber*, Pisces) Eggs and Larvae in Tosa Bay, Japan**

Donna Guarte  
Kochi University  
Kochi, Japan

**Distribution and Utilization of Black Mussels in the Philippines**

Rochelle A. De Los Reyes, Harold M. Monteclaro, Vince Neil B. Fuertes and BFAR RO2 Personnel  
UP Visayas, Miag-ao, Iloilo

**Community Structure of Cyclopoid Copepods and Distribution of Genus *Oncaea* Along a Transect Traversing the Upwelling Zone of Northern Zamboanga Peninsula, Philippines**

Beverly T. Jaspe and Wilfredo Campos  
UP Visayas, Miag-ao, Iloilo

**Species Composition of Freshwater Eels Collected from the Tributaries Along Lagonoy Gulf, Philippines using PCR-RFLP Analysis**

Katrina L. Canon, John Christopher Nolial, Ronie O. Mediario, Nino C. Celestial, Antonino B. Mendoza Jr., Raul G. Bradecina, Plutomeo M. Nieves and Satoshi Kubota  
Kochi University, Kochi, Japan

12:00-1:00 P.M.

Lunch Break (*Claude Andrews Convention Center*)

1:01- 4:30 P.M.

PARALLEL SESSIONS

**Parallel Session 5**

**Ecological Habitats and Ecological Sciences**

Claude Andrews Convention Center

**Moderator: Dr. Victor Soliman**

Bicol University

**Rapporteur: Ms. Glycinea De Peralta**

CSU Aparri

**Physiological Responses of Bleaching and Recovering Scleractinian Corals, *Acropora hyacinthus* and *Pocillopora damicornis* Under Aquarium Condition**

Satoshi Kubota, Dan Anthony U. Bataan, Takuma Mezaki and Shashank Keshavmurthy  
Kochi University, Kochi, Japan

***Padina* sp. as a Possible Bioindicator of Eutrophication in Verde Island, Batangas City, Batangas, Philippines**

Jayvee A. Saco, Najeen Arabelle M. Rula, John Matthew H. Arcega and Alvin N. Atuga  
Batangas State University, Batangas City

**Overlooked Habitat: The Importance of Tropical Intertidal Seagrass Beds as Foraging Grounds for Fish as Revealed by Underwater Video**

Anabelle Dece A. Espadero, Yohei Nakamura, Wilfredo H. Uy, Prasert Tongnuu and Masahiro Horinouchi  
Kochi University, Kochi, Japan

**Distribution, Community Structure and Diversity of Zooplankton Situated in Aquaculture Ground of Lake Buhi, Buhi, Camarines Sur**

Sandy Rey Bradecina, Mikka Ella M. Cabrera, Plutomeo M. Nieves, Antonino B. Mendoza Jr. and Arian Bustamante  
Central Bicol State University of Agriculture - Calabanga Campus, Bicol

**Marine Crypto-biota within the Coral Reef Areas of Malabungot Protected Landscape and Seascape**

Ronnel A. Dioneda Jr. and Ronnel R. Dioneda Sr.  
Partido State University, Goa, Camarines Sur

**Salt Reduced Thermal Stress in Nile Tilapia (*Oreochromis niloticus* L.)**

Marwin B. Dela Cruz and Emmanuel M. Vera Cruz  
Cavite State University Naic Campus, Cavite

**Parallel Session 6**

**Fisheries Socio-Economic, Seafood Safety and Processing Technology 2**

CSU Hostel Lobby

**Moderator: Dr. Esterlita Calanoga**

CSU Aparri

**Rapporteur: Mr. Aeron Mayor**

BFAR R02

**Standardization and Sensory Evaluation of Thermal Processed Smoked Sardines**

Myrna C. Bigueja, Glenda S. Sales and Irene P. Daet  
Partido State University, Goa, Camarines Sur

**Utilization of Seaweeds Puree (*Kappaphycus alvarezii*) Into Bath Soap**

Nessella Marie N. Mortega, Jay Ambrosio O. Jasmin III, Joseph N. Papica and Catherine J. Sarrato  
BFAR V, Fabrica Bula, Camarines Sur

**Post-harvest Handling Practices for Glass Eel Along Rivers and Tributaries in Lagonoy Gulf, Philippines**

Plutomeo M. Nieves and John Christopher C. Nolia  
Bicol University Tabaco Campus, Tabaco City

**Development of Bottled Tunanut**

Myrna C. Bigueja and Christine B. Bigueja  
Partido State University  
Goa, Camarines Sur

**Parallel Session 7**

**Fisheries Resource Management 2**

CSU Hostel Lobby

**Moderator: Dr. Emma Ballad**

BFAR R02

**Rapporteur: Dr. Allyn Duvin S. Pantallano**

MSU Naawan Foundation for Science and Technology Development Inc.

**In Troubled Waters: Facing Challenges in Fish Taxonomy and Its Implications to Fishery Resource Management**

Cleto L. Nañola Jr., Maybelle A. Fortaleza Jr., Glycinea M. De Peralta and Te-yu Liao  
UP Mindanao, Mintal, Davao City

**Impact of the Aquashade Technology on Seed Production of Nile Tilapia during Warm Months**

Emmanuel M. Vera Cruz, Eddie Boy T. Jimenez, Eduardo A. Lopez and Sherwin B. Celestino  
CLSU, Muñoz, Nueva Ecija

**Resource Allocation Trade-offs in the Sea Urchin *Triploneustes gratilla* Under Relative Storminess and Wave Exposure**

Helen Grace P. Bangi and Marie Antonette Juinio-Meñez  
CSU Aparri Campus, Maura, Aparri

**'From Hard to Soft': The Scallop Fishers and Their Shifting Preference for Managing Scallop Fishery in Asid Gulf, Masbate, Philippines**

Alex P. Camaya, Ian Cris R. Buban, Christian D. Cables, Renan U. Bobiles and Victor S. Soliman  
Bicol University Tabaco Campus Tabaco City, Albay

**Freshwater and Estuarine Fish Fauna Composition in the Central Part of Palawan**

Herminie P. Palla, Taiga Kunishima, Hirozumi Kobayashi and Ken Maeda  
Western Philippines University, Puerto Princesa City, Palawan

**Science and Technology Community-Based Farm on Sea Cucumber Production in La Union**

Victoria N. Malaya, Jinnie R. Mamhot, Alfredo L. Quesada Jr. and Dianne A. Peralta  
Don Mariano Marcos Memorial State University, Sto. Tomas, La Union

**History of Scientific Oceanographical and Botanical Inquiries During Spanish Colonization in Luzon: Precursor of Resource Utilization Supporting Urbanization and Antecedent of Resource Conservation**

Raul Bradecina  
Partido State University, San Juan Bautista St., Goa, Camarines Sur

**Climate Risk Vulnerability Assessment for Tilapia (*Oreochromis niloticus*): Basis for Decision-support Platform**

Bondee L. Peñaflor and Marino R. Romero  
ISU Cabagan, Isabela

**Evaluation of Fish Kill Occurrence in Buhi Lake, Philippines**

Plutomeo M. Nieves, Antonino B. Mendoza Jr., Sandy Rey B. Bradecina and Recie B. Bonaos  
Bicol University Tabaco Campus, Tabaco City

**Rainfall-Temperature-Dissolved Oxygen Nexus to Fish Kill Occurrence at Buhi Lake**

Recie B. Bonaos and Plutomeo M. Nieves  
Bicol University Tabaco Campus, Tabaco City

**Revisiting the Water Quality of Padre Burgos Mariculture Zone After a Decade of Aquaculture**

Joy A. Azarias, Eusebia Chrissevi M. Dianquinay, Ryan Daryl M. Peñalosa, Joemari S. Piñero, Joselyn Joy D. Egagamao, Juvy M. Barillo and Ligaya P. Cabrera  
BFAR IV-A, Los Baños, Laguna

**Status of the Pinacanauan de San Pablo River, Isabela, Philippines for Water Resources Management**

Geraldine J. Paguigan, Jailaine R. Siriban, Leonore B. Morillo, Melanie S. Subilla and Myrna T. Ramos  
ISU Ilagan Campus, Isabela

**Diversity of Fishes in Laguna de Cagayan Lake: Status and Conservation Needs**

Wilma S. Urmeneta and Ernesto S. del Rosario Jr.  
CSU Aparri Campus, Maura, Aparri

**Ichthyofaunal Community Structure of Magat Reservoir in Ramon, Isabela, Philippines**

Felicitas M. Paraggua, Ma. Vivian C. Camacho, Pablo P. Ocampo and Antonio J. Alcantara  
BFAR RO2, Carig, Tuguegarao City

**Assessment of the Fisheries Resources of Bangui Bay, Ilocos Norte, Philippines 2000-2009**

Rosario Segundina P. Gaerlan, Francis Greg A. Buccat and Felymar C. Ragutero  
BFAR RO1, City of San Fernando, La Union