## 10<sup>th</sup> International Kuroshio Science Symposium

Theme: "Addressing Coastal Resources Conservation and Food Security through Science-based Solutions and Innovations"

Patio de San Jose Resort and Convention Center, San Jose, Malilipot, Albay

November 24-26, 2016

SYMPOSIUM ACTIVITIES		
Day	Activity	Responsible Person/Entity
November 23, 2016	Arrival of Participants	Secretariat
November 24, 2016	Conference Proper	
8:30 AM	Registration	Secretariat
9:00 AM	OPENING CEREMONY	
	Doxology	BUTC students performing artists
	Philippine National Anthem	BUTC students performing artists
	Welcome Address	Hon. Krisel L. Luistro
		City Mayor, Tabaco City
	Presentation of Participants and Symposium	Prof. Maria Asuncion V. Oronan
	Overview	Dean, BU Tabaco Campus
	Keynote Address	Dr. Arnulfo M. Mascariñas
		SUC President IV, Bicol University
		Dr. Milagros Morales
		Regional Director, BFAR RO 2
		Dr. Teruyuki Shinbo
		Professor, Kochi University, Japan
		Dr. Hsu-Sen Chen
		National Sun Yat-Sen University
		Kaohsiung, Taiwan
	Media Conference	<u> </u>

## LECTURE SERIES

Cross-Border Education Session: Integrated Management of Coastal Resources by Marine Protected Areas Lecture Series Chair: Dr. Mina Hori and Prof. Antonino B. Mendoza, Jr.

Lecture Series Chair: Dr. Mina Hori and Prof. Antonino B. Mendoza, Jr.		
1:00-1:20	Philippine MPAs: How Best Can They	Victor S. Soliman <sup>1</sup>
	Be Managed?	Antonino B. Mendoza, Jr. <sup>2</sup>
		Ronnel R. Dioneda Sr. <sup>3</sup>
		<sup>1</sup> Bicol University Graduate School,
		Legazpi City, Philippines
		<sup>2</sup> Bicol University Tabaco Campus,
		Tabaco City, Philippines
		<sup>3</sup> Bicol University Research and
		Development Center, Legazpi City,
		Philippines
1:20 – 1:45	Western Danajon Bank: Networking of Ecology	Wilfredo L. Campos <sup>1</sup>
	and Management	Samuel Gulayan <sup>2</sup>
		Liezel C. Paraboles <sup>1</sup>
		Pacifico D. Beldia <sup>3</sup>
		<sup>1</sup> OceanBio Lab, University of the
		Philippines Visayas, Miag-ao, Iloilo,
		Philippines
		<sup>2</sup> Bohol Island State University, Candijay,
		Bohol, Philippines
		<sup>3</sup> Malampaya Foundation, Inc., Alabang,
		Metro-Manila, Philippines
1:45 - 2:10	Marine Protected Areas and Integrated	Hiroyuki Matsuda <sup>1, 2</sup>
	Management of Coastal and Ocean Resources	Darien D. Mizuta <sup>2</sup>
		Eirini I. Vlachopoulou <sup>3</sup>
		Mitsutaku Makino <sup>4</sup>
		<sup>1</sup> Kochi University, Japan
		<sup>2</sup> Yokohama National University, Japan
		<sup>3</sup> University of the Aegean, Greece
		<sup>4</sup> National Research Institute of Fisheries
		Sciences, Japan

2:10 – 2:30 Evaluating the Conservation Effectiveness of Partially Protected Marine Areas for Yohei Nakamura <sup>2</sup>	
Commercially Important Fishes in Bicol Region, Bicol University Tab	
Philippines Tabaco City, Philippi	
<sup>2</sup> Graduate School of I	
Kochi University, Ja	
2:30 – 2:50 Ecological Management of MPA from the Antonino B. Mendoz	
Perspective of Seaweed and Seagrass Ecology Bicol University Tab	
Tabaco City, Philippi	nes
2:50 – 3:10 Opportunities and Challenges of Community- Emma Legaspi Ballac	<u>d</u> 1, 3
Based Marine Protected Area (CB-MPA)  Teruyuki Shinbo <sup>1</sup>	
Programs in Cagayan Province, Philippines Yoshinori Morooka <sup>2</sup>	
<sup>1</sup> Laboratory of Envir	
and Sustainable Socie	
School of Kuroshio S	cience, Kochi
University, Japan	
<sup>2</sup> Professor Emeritus, <sup>2</sup>	Kochi University,
Japan 3-	
<sup>3</sup> Department of Agric	
Fisheries and Aquatic	
Regional Office 02, T	
Cagayan, Philippines	
3:10 – 3:30 Balancing Fishery and Tourism, Case Study Mina Hori	
from Thailand Graduate School of K	
Kochi University, Jap	pan
3:30 – 3:45 Health break	
3:45 – 4:05 MPA Management and Rural Fisheries along Raul G. Bradecina	
Lagonoy Gulf Partido State Univers	ity, Goa, Camarines
Sur	
4:05 – 4:25 Life and Natural Resource Use in Plutomeo M. Nieves	
the Communities lying behind the MPA: The Bicol University Tab	
San Miguel Island Case Tabaco City, Philippi 4:25 – 4:40 Open Forum	lies
4:40 – 5:00 Synthesis of Lecture Series Antonino B. Mendoza	a Ir
5:00 PM Welcome Dinner and Cultural Show Sponsored by BUTC,	
November 25, 2016 CONCURRENT SESSIONS	, BORDE and 150
FISHERIES AND COASTAL RESOURCES MANAGEMENT	
Session Chairs: Dr. P. M. Nieves and Dr. Milagros C. Morales	
8:20 – 8:40 Evaluation of Lying-in Hatchery Concept as Plutomeo M. Nieves	
Resource Management Strategy Bicol University Taba	aco Campus,
Tabaco City, Philippi	
8:40 – 9:00 Simultaneous Occurrence of Larvae and <u>Thanh Trung Tran</u> <sup>1</sup>	
Juveniles of <i>Acanthopagrus latus a</i> nd <i>A.</i> Izumi Kinoshita <sup>1</sup>	
Schlegelii (Sparidae) in the Estuary of Northern Hau Duc Tran <sup>2</sup>	
Vietnam <sup>1</sup> Usa Institute of Mari	ine Biology, Kochi
University, Japan,	
<sup>2</sup> Hanoi National Univ	versity of Education,
Hanoi, Vietnam	
9:00 – 9:20 Molluscicidal Activity of Poison vine <i>Derris</i> Kristian Q. Aldea <sup>1</sup>	
9:00 – 9:20 Molluscicidal Activity of Poison vine <i>Derris elliptica</i> in Non-Target Organism: The Kristian Q. Aldea <sup>1</sup> Jimmy T. Masagca <sup>2</sup>	
9:00 – 9:20 Molluscicidal Activity of Poison vine Derris elliptica in Non-Target Organism: The Philippine Freshwater Trumpet Snail Jagora  Kristian Q. Aldea¹ Jimmy T. Masagca² ¹Catanduanes State U	
9:00 – 9:20 Molluscicidal Activity of Poison vine Derris elliptica in Non-Target Organism: The Philippine Freshwater Trumpet Snail Jagora asperata    Kristian Q. Aldea¹   Jimmy T. Masagca² ¹ Catanduanes State U (Panganiban Campus	), Panganiban,
9:00 – 9:20 Molluscicidal Activity of Poison vine Derris elliptica in Non-Target Organism: The Philippine Freshwater Trumpet Snail Jagora asperata    Kristian Q. Aldea¹   Jimmy T. Masagca² ¹ Catanduanes State U (Panganiban Campus Catanduanes Island, I	), Panganiban, Philippines
9:00 – 9:20  Molluscicidal Activity of Poison vine Derris elliptica in Non-Target Organism: The Philippine Freshwater Trumpet Snail Jagora asperata  Molluscicidal Activity of Poison vine Derris elliptica in Non-Target Organism: The Philippine Freshwater Trumpet Snail Jagora (Panganiban Campus Catanduanes Island, I Catanduanes State U	), Panganiban, Philippines Iniversity (Virac,
9:00 – 9:20  Molluscicidal Activity of Poison vine Derris elliptica in Non-Target Organism: The Philippine Freshwater Trumpet Snail Jagora asperata  Molluscicidal Activity of Poison vine Derris elliptica in Non-Target Organism: The Philippine Freshwater Trumpet Snail Jagora (Panganiban Campus) Catanduanes State U Campus), Virac, Cata	), Panganiban, Philippines Iniversity (Virac,
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9:00 – 9:20  Molluscicidal Activity of Poison vine Derris elliptica in Non-Target Organism: The Philippine Freshwater Trumpet Snail Jagora asperata  Molluscicidal Activity of Poison vine Derris elliptica in Non-Target Organism: The Philippine Freshwater Trumpet Snail Jagora asperata  (Panganiban Campus Catanduanes State U Campus), Virac, Cata Philippines  9:20 – 9:40  The State of Atulayan Fish Sanctuary and Fishers Behavior on the Protection of Marine  Partido State Univers	), Panganiban, Philippines Iniversity (Virac, anduanes Island,
9:00 – 9:20  Molluscicidal Activity of Poison vine Derris elliptica in Non-Target Organism: The Philippine Freshwater Trumpet Snail Jagora asperata  Molluscicidal Activity of Poison vine Derris elliptica in Non-Target Organism: The Philippine Freshwater Trumpet Snail Jagora asperata  (Panganiban Campus Catanduanes State U Campus), Virac, Cata Philippines  9:20 – 9:40  The State of Atulayan Fish Sanctuary and  Joel B. Balasta	), Panganiban, Philippines Iniversity (Virac, anduanes Island,

9:40 – 10:00  Rapid Mobulid Assessment Survey in Camarines Sur, Philippines  Redentor L. Buetre¹ Maureen F.Postrado² Primo G.Barja² AlmiraC.Valencia² Patricia M. Candelaria¹ Irene C. Consulta¹ ¹Partido State University-Sagnay Campus, Sagnay, Camarines Sur, Philippines ²Partido State University- Caramo Campus, Caramoan, Camarines S Philippines  10:00 – 10:15  Health break  Diversity and Species Composition of Marine Fish Fauna in Isabela Waters, Philippines  Angel B. Encarnacion Milagros C. Morales Evelyn C. Ame Melanie C. Villarao	oan
Primo G.Barja <sup>2</sup> AlmiraC.Valencia <sup>2</sup> Patricia M. Candelaria <sup>1</sup> Irene C. Consulta <sup>1</sup> Partido State University-Sagnay Campus, Sagnay, Camarines Sur, Philippines <sup>2</sup> Partido State University- Caramo Campus, Caramoan, Camarines S Philippines  10:00 – 10:15 Health break  10:15 – 10:35 Diversity and Species Composition of Marine Fish Fauna in Isabela Waters, Philippines  Primo G.Barja <sup>2</sup> AlmiraC.Valencia <sup>2</sup> Patricia M. Candelaria Irene C. Consulta Intene C. Consulta Inten	oan
AlmiraC.Valencia <sup>2</sup> Patricia M. Candelaria <sup>1</sup> Irene C. Consulta <sup>1</sup> <sup>1</sup> Partido State University-Sagnay Campus, Sagnay, Camarines Sur, Philippines <sup>2</sup> Partido State University- Caramo Campus, Caramoan, Camarines S Philippines  10:00 – 10:15 Health break  10:15 – 10:35 Diversity and Species Composition of Marine Fish Fauna in Isabela Waters, Philippines  Angel B. Encarnacion Milagros C. Morales Evelyn C. Ame	oan
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Irene C. Consulta¹ ¹Partido State University-Sagnay Campus, Sagnay, Camarines Sur, Philippines ²Partido State University- Caramo Campus, Caramoan, Camarines S Philippines  10:00 – 10:15 Health break  10:15 – 10:35 Diversity and Species Composition of Marine Fish Fauna in Isabela Waters, Philippines  Angel B. Encarnacion Milagros C. Morales Evelyn C. Ame	oan
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Campus, Sagnay, Camarines Sur, Philippines <sup>2</sup> Partido State University- Caramo  Campus, Caramoan, Camarines S  Philippines  10:00 – 10:15  Health break  10:15 – 10:35  Diversity and Species Composition of Marine Fish Fauna in Isabela Waters, Philippines  Angel B. Encarnacion  Milagros C. Morales Evelyn C. Ame	oan
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Campus, Caramoan, Camarines S Philippines  10:00 – 10:15 Health break  10:15 – 10:35 Diversity and Species Composition of Marine Fish Fauna in Isabela Waters, Philippines Fish Fauna in Isabela Waters, Philippines Evelyn C. Ame	
Philippines   Philippines   10:00 – 10:15   Health break	
10:00 – 10:15  Health break  10:15 – 10:35  Diversity and Species Composition of Marine Fish Fauna in Isabela Waters, Philippines  Evelyn C. Ame	
Fish Fauna in Isabela Waters, Philippines  Milagros C. Morales Evelyn C. Ame	
Evelyn C. Ame	
Melanie C. Villarao	
DA-Bureau of Fisheries and Aqua	atic
Resources, Regional Office No. 0	2,
Tuguegarao City, Philippines	
10:35 – 10:55 Philippine Eel (Anguillidae) Conservation <u>Evelyn C. Ame</u>	
Initiatives Towards Sustainable Resource Milagros A. Morales	
Management Bureau of Fisheries and Aquatic	
Resources, Tuguegarao City, Phil	ippines
10:55 – 11:15 Reproductive Biology and Population Dynamics Melanie C. Villarao	-11
of Figate Tuna (Auxis thazard) and Bullet Tuna Milagros C. Morales	
(Auxis rochei) from Babuyan Channel, Evelyn C. Ame	
Philippines Angel B. Encarnacion	
Erickson Gumiran	
DA-Bureau of Fisheries and Aqua	atic
Resources, Regional Office No. 0	
Tuguegarao City, Philippines	-
11:15 – 11:35 Stock Assessment of Spider Conch ( <i>Lambis</i> Skorzeny C de Jesus	
lambis) in Guinanayan, Rapu-Rapu, Albay  Romeo B. Asejo Jr.	
Arian S. Bandola	
Bicol University Tabaco Campus	
Tabaco City, Philippines	,
11:35 – 11:55 Community Structure and Reproductive Biology Anne Retuerma-Dioneda	
of Spider Conch Genus Lambis  Bicol University College of Scient	ice.
Legazpi City, Philippines	,
ECOLOGICAL HABITATS & CORAL SCIENCES	
Session Chairs: Dr. Takahiro Taguchi and Prof. Ronnel R. Dioneda	
8:20 – 8:40 Recent Advance of Molecular Cytogenetic <u>Takahiro Taguchi<sup>1, 2</sup></u>	
Studies on Scleractinian Corals (Stony Corals) Satoshi Kubota <sup>1, 2</sup>	
Takuma Mezaki <sup>3</sup>	
Erika Tagami <sup>2</sup>	
Satoko Sekida <sup>4</sup>	
Kazuo Okuda <sup>4</sup>	
Akira Tominaga <sup>1, 2</sup>	
<sup>1</sup> Laboratory of Human Health and	1
Medical Science, Graduate School	ol of
Kuroshio Science, Kochi Univers	ity,
Japan <sup>2</sup> Department of Molecular	
Cellular Biology, Kochi Medical	
Kochi University, Japan	
<sup>3</sup> Kuroshio Biological Research	
Foundation, Hata County, Kochi,	
Japan <sup>4</sup> Laboratory of Cell Structu	
Function, Division of Marine	- > 0.1104
Bioresources, Graduate School of	;
Kuroshio Science, Kochi Universi	
	,
Japan	

8:40 - 9:00	Breeding and Culture Morphology of Tropical	Alvin Monotilla
0.40 – 7.00	Green Algae	Masanori Hiraoka
	oreen ringue	Graduate School of Kuroshio Science,
		Kochi University, Japan
0.00 0.00	Manufalanu and L'C History CC	Familian Caril
9:00 – 9:20	Morphology and Life History of Cosmopolitan Green Macroalgae, <i>Ulva prolifera</i> (Ulvophyceae,	Jianjun Cui <sup>1</sup> , Alvin Monotilla <sup>1</sup> ,
	Chlorophyta)	Masanori Hiraoka <sup>1</sup>
	Chiorophy w)	<sup>1</sup> Graduate School of Kuroshio Science,
		Kochi University, Japan
9:20 – 9:40	Ecological Impact of Tsunami: A Ten-year Field	Osamu Miura <sup>1</sup> , Gen Kanaya <sup>2</sup> , Shizuko
	Study of Intertidal Mud Snails Exposed to the	Nakai <sup>3</sup> , Hajime Itoh <sup>4</sup>
	2011 Tohoku Earthquake Tsunami	<sup>1</sup> Graduate School of Kuroshio Science,
		Kochi University, Japan, <sup>2</sup> National Institute for Environmental Studies,
		Onogawa, Tsukuba, Ibaraki, Japan,
		<sup>3</sup> Department of Marine Science and
		Resources, College of Bioresource
		Sciences Nihon University, Kanagawa,
		Japan, <sup>4</sup> Atmosphere and Ocean Research
		Institute, The University of Tokyo,
		Chiba, Japan
0.40 10.00	The climate offers and a shall a	Chan Han Saul 2 Was To Cl : 13 Cl
9:40 – 10:00	The climate effect on the shrimp assemblages in the waters off the Gaoping (Kaoping) River	Chen Hsu-Sen <sup>1, 2</sup> , Wen, Ta-Chieh <sup>3</sup> , Chen, Chiee-Young <sup>4</sup> , Chen, Meng-Hsien <sup>1, 2</sup>
	mouth, southwestern Taiwan– An eight-year	Department of Oceanography, National
	observation	Sun Yat-sen University, Kaohsiung,
		Taiwan
		<sup>2</sup> Asia-Pacific Ocean Research Center,
		National Sun Yat-sen University,
		Kaohsiung, Taiwan
		<sup>3</sup> R/V Ocean Research I, National Taiwan
		University, 1, Sec. 4, Roosevelt Rd., Taipei, Taiwan
		<sup>4</sup> Department of Marine Environmental
		Engineering, National Kaohsiung Marine
		University, Kaohsiung, Taiwan
10:00 – 10:15	Health break	Antonina D. Marala a Ta
10:15 – 10:35	Low cost and low tech community based coral reef restoration: A pilot demonstration study in	Antonino B. Mendoza, Jr. Bicol University Tabaco Campus
	Tabaco City, Albay, Philippines	Tabaco City, Philippines
10:35 – 10:55	Coral Reef Assessment in Selected Marine	Christian D. Cabiles <sup>1</sup> ,
	Protected Areas in Albay, Philippines	Antonino B. Mendoza Jr. <sup>1</sup>
		Ronnel R. Dioneda Sr. <sup>2</sup>
		Victor S. Soliman <sup>3</sup>
		<sup>1</sup> Bicol University Tabaco Campus,
		Tabaco City <sup>2</sup> Bicol University Research and
		Development Center, Legazpi City
		<sup>3</sup> Bicol University Graduate School,
		Legazpi City
10:55 – 11:15	Assessment of Seaweeds Species along Uyugan,	Eleandro A. Obar <sup>1</sup>
	Batanes, Philippines	Quirino G. Pascua <sup>2</sup>
		Milagros C. Morales <sup>2</sup>
		<sup>1</sup> University of the Philippines in the
		Visayas, Miag-ao, Iloilo Philippines <sup>2</sup> Bureau of Fisheries and Aquatic
		Resources Region 02, Tuguegarao City,
		Philippines
		1 milypinos

	SOCIO-ECONOMICS AND FOOD SEC	
1.00 1.20	Session Chairs: Dr. Raul Bradecina and Dr. Ten	
1:00 – 1:20	Local Residents' Valuation on Marine Protected	Emma Legaspi Ballad <sup>1, a3</sup>
	Areas (MPAs) in Northern Luzon, Philippines:	Teruyuki Shinbo <sup>1</sup> Yoshinori Morooka <sup>2</sup>
	Application of Willingness to Pay (WTP) and Willingness to Work (WTW) Approach	<sup>1</sup> Laboratory of Environmental Change
	winnighess to work (w i w) Approach	and Sustainable Society Graduate School
		of Kuroshio Science, Kochi University,
		Japan
		<sup>2</sup> Professor Emeritus, Kochi University,
		Japan
		<sup>3</sup> Department of Agriculture-Bureau of
		Fisheries and Aquatic Resources
		Regional Office 02, Tuguegarao City,
		Philippines
1:20 – 1:40	Physico-chemical properties of dried <i>Porphyra</i>	Ritchie A. Rivera
	acanthophora in the Philippines	Ye-JooKim <sup>2</sup>
		Yang-Bong Lee <sup>2</sup>
		Angel B. Encarnacion <sup>1*</sup>
		<sup>1</sup> Department of Agriculture-Bureau of Fisheries and Aquatic Resources
		Regional Office No. 02, Regional
		Government Center, Tuguegarao City,
		Philippines
		<sup>2</sup> Department of Food Science and
		Technology, Pukyong National
		University, Busan, Korea
1:40 - 2:00	The Significance of Indigenous Knowledge	Ninfa R. Pelea
	System of Fishers in the Management of Peculiar	Leonila B. Barbacena
	Species: the Case of Siganids, in Lagonoy Gulf,	Maria Luisa U. Tango
	Philippines	Glenda A. Abejuela
		Raffy B. Bilangel
		Christian D. Cabiles
		Bicol University Tabaco Campus,
2.00 2.20	D 1 ( 17 1 1 1 1 1 0 C ( 1 C D 1 1	Tabaco City, Philippines
2:00 – 2:20	Related Issues and Problems to Safety of Dried	Ninfa R. Pelea
	and Smoked Fish in Bicol Region (Philippines)	Milard P. Subagan Herminia Bondad
		Jamella Ivy R. Nieves
		Maria Josefa Pelea
		Bicol University Tabaco Campus,
		Tabaco City, Philippines
2:20 - 2:40	The Economic Value of the Capture Fisheries	Erwin E. Torres
	and Coastal Habitats in Representative	Ronnel R. Dioneda, Sr.
	Municipalities West and East Coast of	Joan R. Nace
	Albay, Philippines	Mariz B. Bermillo
2.40 2.00	Guita Parameta A. Cit. Cit.	Bicol University, Legazpi City
2:40 – 3:00	Socio-Economic Assessment of the Gleaners of	Ma. Teresa Abalon-Mirandilla
	Spider Conch in Prieto Diaz, Sorsogon	Bicol University, College of Science, Legazpi City, Philippines
	BIOSCIENCES & OCEANOGRAP	
	Session Chair: Dr. Wilfredo L. Campos and Dr.	
1:00 - 1:20	Otolith microstructure and early life of seagrass	Victor S. Soliman <sup>1</sup>
	siganid Siganus canaliculatus	Hideaki Yamada <sup>2</sup>
	(Park 1797) with implications to marine reserve	Renan U. Bobiles
	management	Kosaku Yamaoka <sup>3</sup>
		<sup>1</sup> Bicol University Tabaco Campus,
		Tabaco City, Philippines
		<sup>2</sup> Ishigaki Tropical Station, Seikai
		National Fisheries Research Institute,
		Fisheries Research Agency, Ishigaki,
		Okinawa, Japan <sup>3</sup> Graduate School of Kuroshio Science,
		Kochi University, Kochi, Japan
		Kociii Omversity, Kociii, Japan

1.20 1.40	The Control of the Co	T' V' Cl
1:20 – 1:40	The <i>nifH</i> gene abundances of	Tien-Yi Chen
	unicellularheterotrophic diazotrophs (α-, γ-	Yuh-ling Lee Chen <sup>1</sup>
	proteobacteria) in the Kuroshio	<sup>1</sup> Department of Oceanography, National
		Sun Yat-sen University, Kaohsiung,
		Taiwan
1:40-2:00	Density Distribution of Blue Crab (Portunus	Aldrin Mel B. Macale <sup>1, 2</sup>
	pelagicus) Larvae with Implications to the	Simon G. Alcantara <sup>3</sup>
	Lying-in Concept of Stock Enhancement	Plutomeo M. Nieves <sup>2</sup>
		<sup>1</sup> Camarines Norte State College, Institute
		of Fisheries and Marine Sciences,
		Mercedes, Camarines Norte, Philippines
		<sup>2</sup> Bicol University Tabaco Campus,
		Tayhi, Tabaco City, Philippines
		<sup>3</sup> Central Luzon State University, Science
		City of Muñoz, Nueva Ecija, Philippines
2:00 - 2:20	Morphometric, Sexual Dimorphism and	Sandy Rey B. Bradecina
2.00 – 2.20	Fecundity of Endemic Freshwater Shrimp	Bicol University Tabaco Campus,
	Caridina buhi (Crustacea: Decapoda: Caridea) from Lake Manapao	Tabaco City, Philippines
2:20 - 2:40	Surfactants in the Environment	Katrina L. Canon
		Bicol University Graduate School,
		Legazpi City
	POSTERS	
	Reproductive Biology and Population Dynamics	Evelyn C. Ame
	of Flyingfish ( <i>Cheilopogon Unicolor</i> ) from	Jessica Retamal
	Batanes Waters	Milagros C. Morales
		Bureau of Fisheries and Aquatic
		Resources, Regional Office 02
		Tuguegarao City, Philippines
	Evaluation of Lying-in Hatchery Concept as	Plutomeo M. Nieves
	Resource Management Strategy	Bicol University Tabaco Campus
	Resource Management Strategy	Tabaco City, Philippines
2.00	CLOSING PROCEDAN	Tabaco City, Filinppines
3:00	CLOSING PROGRAM	
	Impression	
	Synthesis of Symposium Proceedings	Ninfa R. Pelea
		Professor, BU Tabaco Campus
	Awarding of Certificates	
	Closing Remarks	Ronnel R. Dioneda
		Director, BU Research and Development
		Center
November 26, 2016	Fieldwork in Sagurong MPA	
7:30 AM	Courtesy Call to Barangay Chairman	Dr. Plutomeo M. Nieves
		Prof. Antonino B. Mendoza, Jr.
		Mr. Renan Bobiles
		Mr. Christian Cabiles
	Interview of Stakeholders (i.e. Bantay Dagat,	
	Fishers, Barangay Officials, etc.)	
	Return to BUTC for discussion: Towards Co-	Dr. Plutomeo M. Nieves
	existence with the Ecosystem Conservation/	Dr. Raul G. Bradecina (PSU)
	Preservation and the Development of Rural	, ´
	Residents' Lives	
L		