***Theme: Community Empowerment for Climate Change and Nutrient Sensitive***

***Agro-ecosystem***

**PROGRAM OF ACTIVITIES**

**November 26, 2017**

3:00 – 5:00 Pre – registration of participants

3:00 – 4:00 BOT Meeting of Philippine Society for the Study of Nature, Inc. – Northern Luzon (PSSN – NL)

6:00 – 8:00 Welcome Dinner

**November 27, 2017**

8:00 – 8:30 Registration

8:30 – 9:30 Opening Program

Doxology CLSU Gintong Ani Philippines

Singing of the Philippine National Anthem CLSU Gintong Ani Philippines

Welcome Remarks Dr. Tereso A. Abella – CLSU President

Opening Remarks Dr. Melissa E. Agulto – CLSU VPAA

Introduction of Participants Dr. Yolina Castaneto – PSSN – NL Vice Pres.

9:30 – 9:40 Group Photo

9:40 – 10:00 Coffee Break

10:00 – 11:30 Keynote Lecture

Introduction of the Keynote Speaker Ms. Karen Ballada – PSSN – NL Public Information Officer

**Keynote Speech Dr. Khin Mar Cho – Cornell University, USA**

11:30 – 12:00 Cutting of the Ribbon and Opening of Poster and Trade Exhibits

12:00 – 1:30 LUNCH BREAK

***Mr. Parsons N. Hail and Ms. Karylle Angelie Abon - Amis***

*Master of Ceremonies*

1:30 – 2:30 Plenary Lecture 1

**Dr. Marlowe U. Aquino**

Academic and Research Fellow

King Mongkut’s Institute of Technology

Ladkrabang, Bangkok, Thailand

*Title of Paper: Contextualizing Community Empowerment amidst Climate Change: Realities Expressed in Community Development in Agriculture, Fisheries and Environment*

**Moderator: Dr. Sofronio P. Kalaw**

2:30 – 3:30 Plenary Lecture 2

**Mr. Emmanuel Hugh F. Velasco**

Social Entrepreneur and Co – founder, Organic Options, Inc.

*Title of Paper: Empowering Farmers Towards Sustainable Livelihood Through the Use of Sustainable Farming Practices – a social enterprise experience*

**Moderator: Dr. Danilo Vargas**

3:30 – 4:00 Coffee Break

4:00 – 5:00 Plenary Lecture 3

**Dr. Dionisio G. Alvindia**

Executive Director – PhilMech

Science City of Munoz, Nueva Ecija

*Title of Paper: Application of Microbial Control Agents for Sustainable Crop Protection*

**Moderator: Dr. Renato G. Reyes**

5:00 – 6:00 General Assembly Meeting and Election of New Set of Officers for 2017-2018

6:00 – 8:00 Cultural Fellowship and Welcome Reception

**Mr. Adonis Voltaire Villanueva and the Gintong Ani Philippines**

**and the Bungkos Palay Performing Group**

**November 28, 2017**

7:00 – 8:00 Registration

8:00 – 10:00 Best Paper Competition

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| 8:00 - 8:15 | Lead Phytoremediation Potential of Water Hyacinth [*Eichhornia crassipes* (Mart.) Solms.] and Water Mimosa (*Neptunia oleracea* Lour.)  M.A.P. Medina, A.G.Toledo-Bruno, J.H.P.Patricio and J.A.Arriesgado |
| 8:15 – 8:30 | Development of Multi-component Herbal Tea from Indigenous Plants  Ma. Louisa G. Taguiling |
| 8:30 - 8:45 | Coastal Water Quality Assessment of Selected Beach Resorts in Surigao del Norte  Marestelle C. Ansit |
| 8:45 – 9:00 | **Q and A** |

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| Oral Paper Presentation (Parallel Session) | | |
| 9:00 – 9:15 | Taxonomic Reconnaissance of Macrofungi in the Protected Areas of CALABARZON Region, Southern Luzon, Philippines  Minerva C. Arenas, Edwin R. Tadiosa and Renato G. Reyes | Status and Environmental Impact Assessment of the Camiling River in Tarlac, Central Luzon, Philippines  Joel B. Ellamar and Albert A. Abella |
| 9:15 – 9:30 | Coliform Load, Physico–chemical and Anthropogenic Activities Along Ylang–Ylang River, Cavite  Homer T. Napay and Cristina C. Salibay | A Semi Robust Analysis for Detection of Global Greenhouse Gas Impacts to Philippine Rice Production  Hernan G. Pantolla |
| 9:30 - 9:45 | Myco-chemical Composition and Anti–oxidant Properties of Thai Strain of Wood Ear (*Auricularia polytricha* (Mont.) Sacc.) Mushroom Mycelia Irene C.Dy, Renato G. Reyes, Sofronio P. Kalaw and Edwin R. Tadiosa E. | Estimating the 2003–2012 Provincial Subsistence Incidence in the Philippines Using Meta-Analysis  Roxanne Jean M. Rubrico |
| 9:45 – 10:00 | Q and A | Q and A |
|  | **Moderator: Dr. Angeles de Leon** | **Moderator: Dr. Karl Marx Quiazon** |

10:00 – 10:30 Coffee Break

10:30 – 12:00 Oral Paper Presentation (Parallel Session)

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| 10:30 – 10:45 | Vermicidal Properties of Wild Sunflower (*Tithonia diversifolia*) Leaf Extract Fractions Against Invasive Giant Earthworm (*Pheretima* sp. )  Karen A. Ballada and Zenaida G.Baoanan | Optimization of Culture Conditions on Coconut Water Supplemented with Ground Soybeans of Bacterial Isolates Associated in Off Season Tomato Plantation  Rence Marrion M. Pineda, Perfecto S. Ramos Jr., Jonalyn Delos Santos, Dominic Sanjaya B. Wijayawikrama and Renato G. Reyes |
| 10:45 – 11:00 | Cytotoxic Potentials of the Betel Quid and its Components  Lichelyn F. Moling | Heavy Metal Concentrations in Soils and Plant Parts of *Mangifera indica* L. Around an Economic Zone in the Municipality of Rosario, Cavite, Philippines  Leny Apita-Saldo and Johnny A. Ching |
| 11:00 – 11:15 | Effect of Locally Produced Organic Compost on Heirloom Rice  Wedy J. Lannaon Ma. Louisa Taguiling and Napoleon K. Taguiling | Cadmium Bioaccumulation Activity of *Amaranthus spinosus* Linn. in Unpolluted and Polluted Areas in Benguet  Elizabeth T. Dom-ogen and Romeo A. Gomez, Jr. |
| 11:15 – 11:30 | Q and A | Q and A |
|  | **Moderator: Dr. Ma. Elizabeth C. Leoveras** | **Moderator: Dr. Jerwin R. Undan** |

12:00 – 1:00 Lunch Break

1:00 – 5:00 International Symposium (Parallel Session)

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| **International Symposium on Mushroom Pharming** | | **International Symposium on Aquatic Resources** | | | | |
| 1:00 – 1:40 | **Ms. Mary Ann B. Guerrero**  National Focal Person on Mushroom  *Title of Paper: Current Status of Philippine Mushroom Industry: it’s Prospect and Challenges* | 1:00 – 1:40 | | **Dr. Kustiariyah Tarman**  Bogor Agricultural University  Bogor, Indonesia  *Title of Paper: Marine fungi and their application in biotechnology* | | |
| 1:40 – 2:20 | **Dr. Chris Wright**  Michigan State University, USA  *Title of Paper: Specialty Mushroom Crop Production in the United States of America* | 1:40 – 2:20 | | **Dr. Nakao Nomura**  University of Tsukuba, Japan  *Title of Paper: Development of Diagnostic Kit for Shrimp WSSV* | | |
| 2:20 – 3:10 | **Dr. Won-Sik Kong Ph. D.**  **Director**  Mushroom Research Division, Department of Herbal Crop Research, South Korea | 2:20 – 3:10 | | **Dr. Francis N. Baleta**  Isabela State University  *Title of Paper: Seaweed Extracts as Immunoboosters for Aquatic Health Management* | | |
| 3:10 – 3:20 | **Q & A** | | | | | |
| 3:20 - 3:40 | **COFFEE BREAK** | | | | | |
| 3:40 – 4:20 | **Engr. Victor Manuel Sala Niguez**  Chief Executive Officer, Mycosphere  *Title of Paper:Industrial Spawn Production for the Cultivation of Edible Mushrooms and Other Applications of Mushroom Mycelia* | 3:40 – 4:20 | | | **Dr. Karl Marx A. Quiazon**  2014 National Academy of Science and Technology Outstanding Scientist and 2016 Fulbright Research Fellow  Central Luzon State University  *Title of Paper: Use of Parasites as Biological Tag for Stock Differentiation in Marine Fishes* | |
| 4:20 – 4:30 | **Q & A** |  |  | | | |
|  | **Moderator: Dr. Evaristo A. Abella** |  | **Moderator: Dr. Ravelina R. Velasco** | | | |
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5:30 – 7:00 Awarding, Closing Program and Banquet

Oath Taking of New Members and Induction of New Set of Officers 2017-2018

Awarding of Plaque of Appreciation to Keynote, Plenary and Symposium Speakers

Awarding of Best Papers and Posters

**Closing Remarks Dr. Renato G. Reyes**

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| Poster Papers | |
| Number | Title of Paper and Author/s |
| 1 | MOUNT PINATUBO CRATER LAKE ECOLOGY AND POTENTIALS  Dennis A. Mateo, Jennie B. Fernandez, Paloma DC de Chavez, Miguel DJ Vizca, Mark Joseph Rafael, and Evaristo A. Abella |
| 2 | CASHEW (*Anarcadium occidentale* Linn.) APPLE AS MOLLUSCICIDE AGAINST GOLDEN APPLE SNAIL (*Pomacea canaliculata* Lamarck)  Geline L. Macanas, Luzviminda S. Quitos and Benilda A. Lorenzo |
| 3 | KANGKONG (*Ipomea aquatica*  Forsk.) AS FEED COMPONENT FOR AFRICAN NIGHT CRAWLER (*Eudrilus eugeniae*)  Yolina T. Castaneto, Elmer T. Castanetoand Melieflor L. Tuazon |
| 4 | MACRONUTRIENT COMPONENTS OF VERMICOMPOST UTILIZING INVASIVE AQUA TERRESTRIAL PLANT SPECIES  Rogelio Pascua, Elmer. T. Castaneto, Yolina T. Castaneto, and Juanita B. Pascua |
| 5 | THE WILD MYCORURAL RESOURCES OF CAMILING, tarlac as Sources of Natural Ingredients for Food and Non-Food Mushroom-Based Products  Joel B. Ellamar, Edithalinda B. Batu and Renato G. Reyes |
| 6 | BANANA-BASED SUBSTRATE FORMULATIONS FOR MYCELIAL GROWTH AND FRUITING BODY PRODUCTION OF PINK OYSTER MUSHROOM (*Pleurotus djamour)*  Lourilaine A. Silva, Rich Milton R. Dulay and Sofronio P. Kalaw |
| 7 | AUGMENTING GRASSROOTS INCOME THROUGH OYSTER MUSHROOM (*Pleurotus* spp.) PRODUCTION  Susana C. Osingat |
| 8 | NUTRITIONAL AND PHYSICAL CONDITIONS FOR MYCELIAL GROWTH OF *Ganoderma applanatum*  Sofronio P. Kalaw, James Rey B. Mata, Marcelino D. Abon, Jerwin R. Undan, Rich Milton R. Dulay, Angeles M. De Leon and Renato G. Reyes |
| 9 | FISH HYDROLYSATE INCREASED THE GROWTH OF *Kappaphycus alvarenzii*  Jessica R. Casaclang, Armilla C. Gregorio, Rey B. Resuello, Christine Joy A. Reyes, Jennie Bernardo-Fernandez, Maria Mojena Gonzales-Plasus |
| 10 | IDENTIFICATION OF WILD EDIBLE MUSHROOMS AND ALLIED SPECIES IN BAZAL, MARIA AURORA, AURORA, PHILIPPINES USING mrDNA ITS GENE  Dana Therese De Leon, Jerwin R. Undan, Mikaela Cunanan, Jesusa Q. Undan, Sofronio P. Kalaw, Rich Milton Dulay, Angeles M. De Leon and Renato G. Reyes |
| 11 | ELEMENTAL ANALYSIS OF SELECTED PHILIPPINE TRADITIONAL RICE VARIETIES (TRV) USING SCANNING ELECTRON MICROSCOPE WITH ENERGY DISPERSIVE X-RAY SPECTROSCOPY  Mark Philip B. Castillo, John Dave C. Aquino, Michael R. Umagat, Jonathan N. Niones and Jerwin R. Undan |
| 12 | SPECIES LISTING OF MACROFUNGI FOUND IN THE IFUGAO INDIGENOUS COMMUNITY IN IFUGAO PROVINCE, PHILIPPINES  De Leon AM, Cruz AS, Evangelista ABB, Miguel CM, Pagoso EJA, dela Cruz TEE, Nelsen DJ and Stephenson SL |
| 13 | ASSESSMENT OF BIOTIC FAUNA IN SELECTED TRANSPLANTED MANGROVE SITES OF SANTO TOMAS, LA UNION  Gemar Malapira, Reggie V. Dulay, Diana A. Jucutan, Keith Joshua P. Molina and Reginor Lyzza A. Roque |
| 14 | Geospatial-based Suitability Assessment of Rubber (*Hevea brasiliensis* Mull. Arg.) Farms in the Province of Laguna, Philippines  Michelle P. Del Rosario |