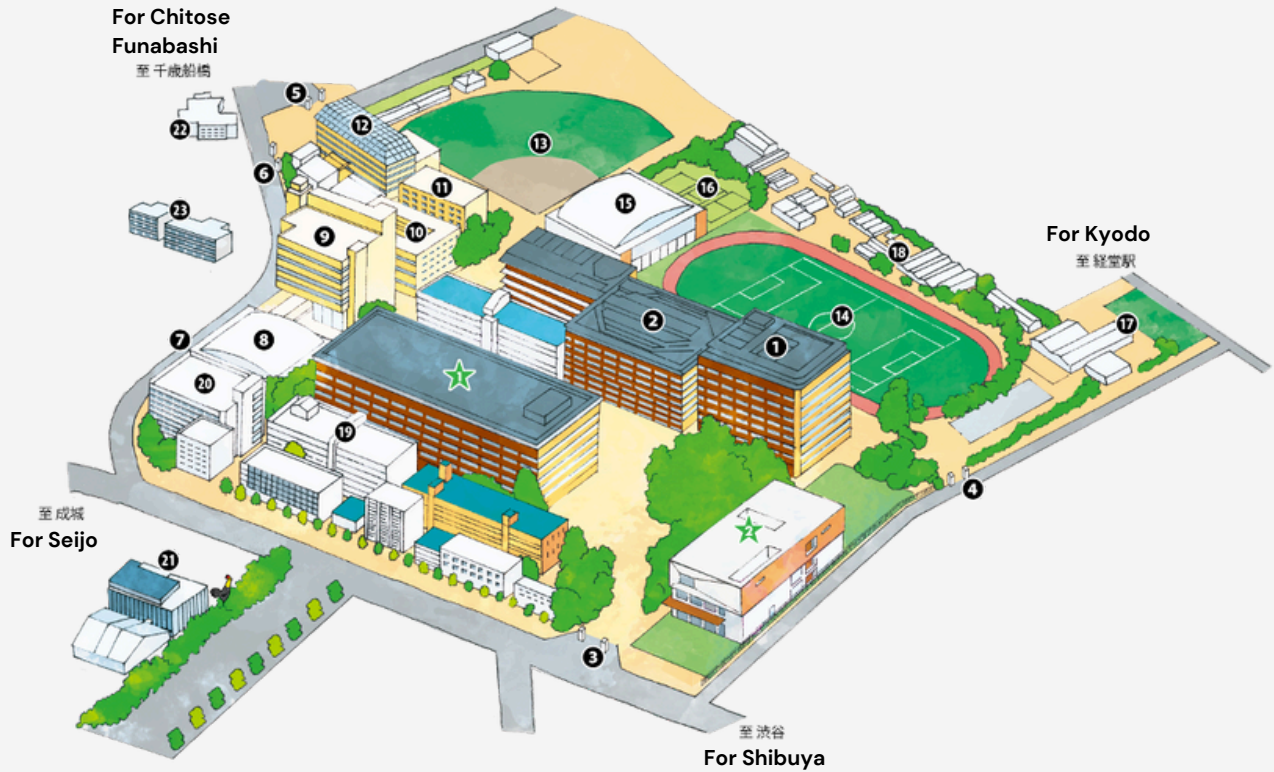




ISSAAS
JSTA JOINT
CONGRESS
November 9-11, 2024
Tokyo, Japan

Program Schedule and Guideline



★ NODAI Science Port

★ International Center
(Enomoto Hall)

① NODAI Academia Center
(Main Library, Administration, and University Offices)

② Building 1
(Lecture Halls)

③ Main Gate

④ Kyoto Gate

⑤ Chitose Funabashi Gate

⑥ Sakuragaoka Gate

⑦ Yōga Gate

⑧ Centennial Hall
Cafeteria Green

⑨ Building 18
Cafeteria Suzushiro

⑩ Tokiwamatsu Student Main Hall
(Alumni Rooms, NODAI CO-OP, 7-Eleven)

⑪ Tokiwamatsu Student Hall
(Club Rooms)

⑫ Tokiwamatsu Hall Dojo

⑬ Baseball Field

⑭ Athletic Field

⑮ Sakuragaoka Arena
(Gymnasium, Training Room)

⑯ Tennis Courts

⑰ Greenhouses

⑱ Building 16
(Health and Wellness Center)

⑲ Building 12
(Food Processing Center)

⑳ Hockey Field

㉑ Food and Agriculture Museum •
Biorium • Café Egg

㉒ Green Academy Hall

㉓ Sakuragaoka Dormitory
Wakusa Dormitory

09 November 2024 (Sat)



🕒 8:30–9:30	Registration																		
📍 Centennial Hall	Present your QR code at the registration booth.																		
🕒 9:30–9:45	Welcome Remarks																		
📍 Centennial Hall	Dr. Fumio Eguchi, President of Tokyo University of Agriculture and ISSAAS																		
🕒 9:45–9:55	Congratulatory Remarks (ISSAAS 30th Anniversary)																		
📍 Centennial Hall	Dr. Kanju Ohsawa, Chairman of SAEDA																		
🕒 9:55–10:10	ISSAAS General Meeting																		
📍 Centennial Hall																			
🕒 10:10–10:40	Chapter Report																		
📍 Centennial Hall	Indonesia • Japan • Malaysia • Philippines • Thailand • Vietnam • Cambodia (<i>new chapter</i>)																		
🕒 10:40–11:10	Award Presentation																		
📍 Centennial Hall	Acceptance speech by Prof. Emeritus Dr. Keiko Natsuaki																		
🕒 11:10–11:40	Congratulatory Remarks (ISSAAS 30th Anniversary)																		
📍 Centennial Hall	Dr. Hironobu Shiwachi, Secretary General of ISSAAS																		
🕒 11:40–12:20	ISSAAS–JSTA Keynote																		
📍 Centennial Hall	<i>The Transition of Agriculture in Southeast Asia and Prospects for a New 50-year Vision Towards the Future Co-creation of ASEAN and Japan</i> Dr. Hiroshi Ehara, Nagoya University																		
🕒 12:30–13:30	Lunch Break																		
📍 Building 1																			
🕒 13:30–14:15	ISSAAS Keynote by Chapter Representative																		
📍 Building 1	<i>Large Area Application of Biointensive Integrated Pest Management on Rice in Subang, Indonesia</i> Dr. Suryo Wiyono, IPB University 📍 Room 231 <i>Urban Farming in Malaysia: Opportunities and Challenges</i> Dr. Jaafar Juju Nakasha, Universiti Putra Malaysia 📍 Room 232 <i>Agricultural Science for Sustainable Development: The Role of Universities</i> Dr. Jose V. Camacho, Jr., University of the Philippines Los Baños 📍 Room 243 <i>Harnessing Genomics to Develop Climate-Smart, Nutrient-Rich Rice for Global Food Security</i> Dr. Siwaret Arikrit, Kasetsart University 📍 Room 242 <i>Insecticide Use: Current Status and Insecticide Management in Vietnam</i> Dr. Le Ngoc Anh, Vietnam National University of Agriculture 📍 Room 241																		
🕒 14:15–14:30	Coffee Break																		
📍 Building 1																			
🕒 14:30–15:45	Scientific Session Oral																		
📍 Building 1	<table border="0"> <tr> <td><u>Agribusiness</u></td> <td>📍 Room 211 & 212</td> </tr> <tr> <td><u>Plant Protection</u></td> <td>📍 Room 213 & 241</td> </tr> <tr> <td><u>Animal Husbandry</u></td> <td>📍 Room 111</td> </tr> <tr> <td><u>Fishery</u></td> <td>📍 Room 112</td> </tr> <tr> <td><u>Food Science</u></td> <td>📍 Room 113</td> </tr> <tr> <td><u>Agronomy</u></td> <td>📍 Room 311</td> </tr> <tr> <td><u>Agricultural Extension</u></td> <td>📍 Room 312</td> </tr> <tr> <td><u>Environmental Science</u></td> <td>📍 Room 313</td> </tr> <tr> <td><u>Plant Physiology</u></td> <td>📍 Room 341</td> </tr> </table>	<u>Agribusiness</u>	📍 Room 211 & 212	<u>Plant Protection</u>	📍 Room 213 & 241	<u>Animal Husbandry</u>	📍 Room 111	<u>Fishery</u>	📍 Room 112	<u>Food Science</u>	📍 Room 113	<u>Agronomy</u>	📍 Room 311	<u>Agricultural Extension</u>	📍 Room 312	<u>Environmental Science</u>	📍 Room 313	<u>Plant Physiology</u>	📍 Room 341
<u>Agribusiness</u>	📍 Room 211 & 212																		
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











 **15:45–16:45** **Scientific Session | Poster**
 **Building 1** Poster showcase in the first floor lobby.



 **17:00–17:10** **Group Photo**
 **International Center**



 **17:30–19:30** **Welcome Party**
 **Cafeteria Green**











10 November 2024 (Sun)

 **8:30–12:15** **Morning Scientific Session | Oral**
 **Building 1**

<u>Agribusiness</u>	 Room 211 & 212
<u>Plant Protection</u>	 Room 213 & 241
<u>Animal Husbandry</u>	 Room 111
<u>Fishery</u>	 Room 112
<u>Water Management</u>	 Room 112
<u>Agricultural Engineering</u>	 Room 112
<u>Food Science</u>	 Room 113
<u>Agronomy</u>	 Room 311
<u>Agricultural Extension</u>	 Room 312
<u>Environmental Science</u>	 Room 313
<u>Plant Breeding/Genetics</u>	 Room 341
<u>Plant Physiology</u>	 Room 341

 **12:15–13:15** **Lunch Break**
 **Building 1**

 **13:15–17:00** **Afternoon Scientific Session | Oral**
 **Building 1**

<u>Agribusiness</u>	 Room 211 & 212
<u>Plant Protection</u>	 Room 213
<u>Forestry</u>	 Room 241
<u>Animal Husbandry</u>	 Room 111
<u>Soil Science</u>	 Room 112
<u>Food Science</u>	 Room 113
<u>Agronomy</u>	 Room 311
<u>Agricultural Extension</u>	 Room 312
<u>Environmental Science</u>	 Room 313
<u>Plant Breeding/Genetics</u>	 Room 341

 **17:30–19:30** **Farewell Party**
 **Cafeteria Green**

11 November 2024 (Mon)

 **Free** **Self-guided tour**
 **Tokyo** Participants are encouraged to enjoy making their own plan and arrangements depending on their interests and budget.

ORAL

Time Allotment: 13 minutes for the presentation and 2 minutes for Q&A

Content Requirements:

1. Title, Researcher/s Name and Institutional Affiliation
2. Introduction
3. Materials and Methods
4. Results and Discussion
5. Conclusions and Recommendations
6. Literature Cited
7. Acknowledgements

Submission Deadline:

Saturday presenters: 9:00 JST, November 9th (Saturday)

Sunday presenters: 17:00 JST, November 9th (Saturday)

Submission Link: Please upload your file on: <https://tinyurl.com/ISSAAS-JSTA2024OralPPT>

File Naming Format: Presentation Code_Last_First Name

POSTER

Specifications:

1. Size: A0
2. Orientation: Portrait layout
3. Type: Paper
4. Color Scheme: Suitable for a light display background
5. Layout: Freestyle

Content Requirements:

1. Title, Researcher/s Name and Institutional Affiliation
2. Introduction
3. Materials and Methods
4. Results and Discussion
5. Conclusions and Recommendations
6. Literature Cited
7. Acknowledgements

Presentation Date: Kindly ensure your posters are displayed in the lobby of Building 1 on or before 13:30 JST, November 9th (Saturday).


 **14:30–15:45**

*Presenter

9 November 2024 (Sat)

AGRIBUSINESS

 Room 211, Building 1


- 14:30–14:45 A-01 **From Policy to Price: the Transmission Mechanisms in Philippine Rice Sector**
Bates M. Bathan*
- 14:45–15:00 A-02 **Development of Robusta Coffee Bean Standardization Model at the Producer Level to Meet Export Market (Dynamic System Approach)**
Nia Rosiana*, Feryanto, Herawati, and Triana Gita Dewi
- 15:00–15:15 A-03 **Competitiveness of Indonesian Tuna Fish Exports in the International Market**
Lusy Rahmawati and Tintin Sarianti*
- 15:15–15:30 A-04 **The Impact of Tariff and Non-tariff Measures on Indonesia's Refined Palm Oil Export**
Amzul Rifin*
- 15:30–15:45  Certificate Awarding

AGRIBUSINESS

 Room 212, Building 1

- 14:30–14:45 A-28 **Slowing Growth in Agricultural Sector: Impact of Farmer's Regeneration (Case Study: West Java Province-Indonesia)**
Adi Hadianto*, Dian Verawati Panjaitan, Dedi Budiman Hakim, and Tanti Novianti
- 14:45–15:00 A-29 **Transition of Domestic Migrant and Its Impact to Agricultural Practices in Yogyakarta: a Case Study in Girisubo District, Gunung Kidul, Yogyakarta**
Cahyo Wisnu Rubiyanto*
- 15:00–15:15 A-30 **Empowering Vegetable Farmer-groups in Majayjay, Laguna: Evaluating Capacity Building Initiatives**
Elaine N. Navasero*, Joshua Maru M. Panisales, Cris Edwin B. Bonalos, Eliza C. Aquino, Jennica Amielle M. Mora, and John Julius P. Manuben
- 15:15–15:30 A-31 **Youth Attitudes Towards Environmental Concern Through Value-added Agricultural Products**
Waripas Jumpangyarach*
- 15:30–15:45  Certificate Awarding

PLANT PROTECTION

 Room 213, Building 1

- 14:30–14:45 B-01 **Estimation of Strains and Expansion Routes of the Fall Armyworm Spodoptera Frugiperda (J.e. Smith) in Insular Asian Countries and Sub-saharan Africa**
Yoshiki Sato*, Barbara L. Caoili, Mathews Matimelo, Patrick Chiza Chikoti, Donald Kachigamba, Copperfield K. Banini, Fabian Akulgadare Aberinga, Yoshinori Shintani, and Tarô Adati
- 14:45–15:00 B-02 **Evaluation of Developed Pheromone Lures for the Monitoring of Fall Armyworm, Spodoptera Frugiperda (Je Smith) (Noctuidae, Lepidoptera), in the Philippines**
John Julius P. Manuben*, Enoch Joshua V. Antonio, Gideon Aries S. Burgonio, Randolph N. Candano, and Arra Gaylon
- 15:00–15:15 B-03 **Spatial Distribution and Morphological Characteristics of Palm Weevils Rhynchophorus Spp. (Coleoptera: Curculionidae) Infesting Coconut Parentals, Hybrids, and Other Palm Trees in the Philippines**
Justine Bennette H. Millado*, Jamaica A. Sumaylo, Rea G. Sebumpan, Aljohn L. Pide, Narciso S. Sales Jr., Elea Mae M. Albesa, Allah Reina Marrie C. Reyes, Joshua L. Abelitado, Pamela G. Baliton, Maria Juliet C. Ceniza, and Sweet Charish G. Godinez
- 15:15–15:30 B-04 **Host Feeding Preference of Rice Weevils, Sitophilus Oryzae, on Various Grain Stored Products**
Nur Liyana Afifah Yusof and Anis Syahirah Mokhtar*
- 15:30–15:45  Certificate Awarding

PLANT PROTECTION

 Room 241, Building 1

- 14:30–14:45 B-24 **New Disease of Coffee: Its Host Range and Management**
Bernadith T. Borja*, Gene Rose A. Gonzales, Gary G. Segundo, and Tamie C. Solpot
- 14:45–15:00 B-25 **Host Range of *Corynespora cassiicola* (Berk. & Curt.) Infecting Rubber and Its Control Utilizing Fungal Endophytes**
Basser L. Wagia*, Tamie C. Solpot, Joan P. Sadoral, and Josephine R. Migalbin
- 15:00–15:15 B-26 **Isolation and Detection of Potential Chitinolytic Fungi From Organic Red Rice Rhizosphere**
Syatrawati*, Tutik Kuswinanti, Andi Nasruddin, and Ade Rosmana
- 15:15–15:30 B-27 **Isolation of Pathogenic and Antagonistic Fungi on Cavendish Banana: Disease Incidence and Severity in South Sulawesi, Indonesia**
Ramdani*, Tutik Kuswinanti, and Ade Rosmana
- 15:30–15:45  Certificate Awarding

 **14:30–15:45**

*Presenter

9 November 2024 (Sat)

ANIMAL HUSBANDRY

 Room 111, Building 1

- 14:30–14:45 C-01 **Growth Performance and Economic Efficiency of Feeding Black Soldier Fly Larva Meal in Philippine Native Chicken**
Joice V. San Andres, Seth Vincent M. Valdez*, Jean Karla D. Julian, Joseph R. Mendoza, Kier G. Santiago, Kim Margarette N. Sarmiento, and Raniel A. Valencia
- 14:45–15:00 C-02 **Effects of Utilizing Fermented Brown Seaweed *Turbinaria Decurrens* in Diets on Production Performance of Laying Hens**
Yose Rizal*, Maria Endo Mahata, Ahadiyah Yuniza, Sepri Reski, and Izza Tunnisak
- 15:00–15:15 C-03 **Does Risk Preference Reflect Strategies to Manage Health in Smallholder Pig Production? Evidence Using Field Experiment in the Philippines**
Helen Valerie Corales*, Takahashi Yoshifumi, Nomura Hisako, and Yabe Mitsuyasu
- 15:15–15:30 C-04 **Sustainable Access to Protein Resources for Improving Nutrition in the Rural Areas of Kenya**
Yumie Akaishi*, Koji Takeda, Yasuyuki Morimoto, and Kenji Irie
- 15:30–15:45  Certificate Awarding

FISHERY

 Room 112, Building 1

- 14:30–14:45 K-01 **Microcapsules Preparation of Mangrove Leaves Extract as Supplement in Feed for Shrimp to Control Bacterial Diseases (*Vibrio Harveyi*)**
Indriyani Nur*, Stephania Goretti Sa'Pangan, Devi Amalia, Haziman Haziman, Yusnaini Yusnaini, and Rahmat Madjid
- 14:45–15:00 K-02 ***Artemisia vulgaris* L. Leaf Extracts Inhibit Biofilm Formation and Protect Nile Tilapia Against *Aeromonas Veronii* Infection**
Jaius Emmanuel V. Cabales*, Sirawich Ngernson, Chumporn Soowanayan, Oliver B. Villaflores, and Mary Beth B. Maningas
- 15:00–15:15 K-03 **Phishing Fish Pathogens: Attenuating *Vibrio Harveyi* Virulence Through Quorum Sensing Interference Using Piperine**
Stephen Kyle C. Arcan, Pattanan Yatip, Mary Beth B. Maningas, Chumporn Soowanayan, and John Paul Matthew D. Guzman*
- 15:15–15:30 K-04 **Strategy for Improving a Performance of Marine and Fisheries Resources Surveillance. A Case Study in Tual Base**
Sigit Bintoro*, Ety Riani, Maman Rumanta, and Harsono Hadi Sumardjo
- 15:30–15:45  Certificate Awarding


FOOD SCIENCE

 Room 113, Building 1

- 14:30–14:45 D-01 **Optimizing Fruit Freshness in Horticultural Produce Using Edible Coatings: Innovations and Applications**
Marilou M. Benitez*, Niñazara D. Ytac, Vallerie Marie F. Perpinosa, Peter Lee Dixon L. Tondag, Ma. Lourdes L. Troyo, Rosario A. Salas, and Aljay D. Valida
- 14:45–15:00 D-02 **Physical and Physicochemical Characteristics of Red-fleshed Dragon Fruit Grown in Different Post-height**
Judife N. Magallanes*, Leonie Love O. Abregana, Anthony T. Dollen, Apolinario B. Gonzaga Jr., and Nelda R. Gonzaga
- 15:00–15:15 D-03 **Characterization of Volatiles and Sensory Profiles of Eight Durian Cultivars Grown in Thailand**
Naoki Hiraiwa*, Kietsuda Luengwilai, Hisayo Yamane, Soichiro Nishiyama, and Ryutarō Tao
- 15:15–15:30 D-04 **Postharvest Losses of Pineapple From Farm to Market in Western Leyte, Philippines**
Ma. Lourdes L. Troyo, Marilou M. Benitez, Rosario A. Salas, Julious B. Cerna, and Aljay D. Valida*
- 15:30–15:45  Certificate Awarding

AGRONOMY

 Room 311, Building 1

- 14:30–14:45 E-01 **Anatomical and Histochemical Characterization of Plant Metabolites Distribution in Mungbean Varieties Under Drought Stress at Vegetative Stage**
Elena L. Castañás*, Eureka Teresa M. Ocampo, Pearl B. Sanchez, Crisanta S. Bueño, and Pompe C. Sta. Cruz
- 14:45–15:00 E-02 **Indoor Cultivation of Cabbage Microgreens Using Locally Available Substrates**
Christian John J. Espiritu, Raymund Julius G. Rosales, Aira Lilac I. Pungtilan*, and Micah Benize S. Gregorio-Balbas
- 15:00–15:15 E-03 **Enhancing the Growth Performance of Micropropagated *K. Galanga* L. Genotypes Through Hormonal Optimization**
Marlon Rivera*, Min San Thein, Miyako Kusano, and Kazuo N. Watanabe
- 15:15–15:30 E-04 **It-straw Good and Berryfic Performance of Heat-tolerant Strawberry (*Fragaria X Ananasa*) Varieties in Open and Screen House Conditions**
John Marlo S. Bangayan, Micah Benize S. Gregorio-Balbas*, Dionisio S. Bucao, Christian Butch Andrew A. Balbas, and Frances Charlyn G. Batara
- 15:30–15:45  Certificate Awarding

 **14:30–15:45**

*Presenter

9 November 2024 (Sat)

AGRICULTURAL EXTENSION

 Room 312, Building 1

- | | | |
|-------------|---|---|
| 14:30–14:45 | F-01 | Adoption Analysis of Rice Crop Manager (RCM) of Selected Farmers in Isabela and Occidental Mindoro, Philippines
Marianne R. de Luna*, Rodmyr F. Datoon, Evelie P. Serrano, Dania Z. Laborte, and Eloisa A. Mirandilla |
| 14:45–15:00 | F-02 | Optimizing Rice Crop Manager Odisha: AI-driven Yield Prediction to Compliment Extension Using Legacy Data
Shalini Gakhar* and Preeti Bharti |
| 15:00–15:15 | F-03 | Exploring the Potentials of Pigmented Rice Farming in the Lowland Areas
Dina Dela Cruz Lim* and Ma. Luz F. Cabatan |
| 15:15–15:30 | F-04 | Enhancing Production of High-quality Planting Materials in Key Garlic-producing Regions in the Philippines
Ramarie Ann B. Rama*, Marco Rafael M. Espino, Richellen U. Ubales, Elena A. Eugenio, Sarah Vanessa I. Vera, France Mae M. Sanchez, Eden A. Perez, and Rene Rafael Espino |
| 15:30–15:45 |  | Certificate Awarding |

ENVIRONMENTAL SCIENCE

 Room 313, Building 1

- | | | |
|-------------|---|---|
| 14:30–14:45 | G-01 | Beyond the Sand: Quantifying the Benefits of the Manila Baywalk Dolomite Beach, Manila, Philippines
Margaret M. Calderon*, Frechie Belle O. Lo, Rogelio T. Andrada II, Ezra Mae C. Cabarles, Angela Marie S. Alducente and Canesio D. Predo |
| 14:45–15:00 | G-02 | Evaluating Ecosystem Health of the Seven Maar Lakes of San Pablo City Using the Phytoplankton Index of Biotic Integrity (Phyto-IBI)
John Vicent R. Pleto*, Mayzonee D. Ligaray, and Francis S. Magbanua |
| 15:00–15:15 | G-03 | Assessment of Coastal Changes in Thanh Hoa Province (Vietnam) Using Multi-temporal Landsat Imagery for the Period 1988–2022
Le Thi Giang*, Tran Quoc Vinh, Nguyen Van Nam and Do Trong Hai |
| 15:15–15:30 | G-04 | Beach Forest Floristic Accounting in Malamawi Island, Basilan, Philippines
Ashikeen S. Tampipi* and Wella T. Tatil |
| 15:30–15:45 |  | Certificate Awarding |

PLANT PHYSIOLOGY

 Room 341, Building 1

- | | | |
|-------------|---|--|
| 14:30–14:45 | I-01 | Influence of Acetyl Salicylic Acid (ASA) on the Germination Growth and Yield of Hot Pepper (Capsicum Frutescens L.)
Gloria E. Bancale* and Constancio C. De Guzman |
| 14:45–15:00 | I-02 | Enhancing the Performance and Shelf Life of Radish Microgreen Through Different Planting Conditions and Aloe Vera Gel
Noratika Binti Mohd Asri and Jaafar Juju Nakasha* |
| 15:00–15:15 | I-03 | Effects of Shading Treatment on the Growth and Flowering of Passion Fruits Grown in Open Field
Yuichiro Takai*, Kotaro Matsuda, and Akira Sekiguchi |
| 15:15–15:30 | I-04 | Characteristically Comparison Among Taro Varieties Grown In Two Different Groundwater Levels
Rupasinghe Sayuri Masako, Momone Hieida, Norimitsu Hamaoka, Daisuke Tabei, Kazuhiro Ikezawa, Rumiko Nakayama, Tatsuo Konishi, Mikey Kantar, and Tomomi Abiko* |
| 15:30–15:45 |  | Certificate Awarding |

 **08:30–12:15**

*Presenter

10 November 2024 (Sun)

AGRIBUSINESS


 Room 211, Building 1

08:30–08:45	A-05	The Impact of Soil Conservation on the Technical Efficiency of Highland Potato Farming in West Java : A Selectivity-corrected Stochastic Production Frontier Model Netti Tinaprilla*, Harianto, and Ratna Katharina
08:45–09:00	A-06	Yellow Corn Production in the Province of South Cotabato, Philippines: a Value Chain Analysis Honey Grace Sario and Keno Jay Balogbog*
09:00–09:15	A-07	Smuggling Of Cigarettes And Other Tobacco Products And Its Effects On Tobacco Producers In The Philippines Julieta A. Delos Reyes, Jennifer C. Padrid, and Leo-Aldo A. Delos Reyes*
09:15–09:30	A-08	Financial Practices and Credit Behaviors of Vegetable Farmers in Majayjay, Laguna, Philippines Joshua Maru M. Panisales*, Cris Edwin B. Bonalos, Eliza C. Aquino, Jennica Amielle M. Mora, John Julius P. Manuben, and Elaine N. Navasero
09:30–09:45		Certificate Awarding and Break
09:45–10:00	A-09	Factors Affecting Five Largest Indonesia's Agricultural Export Commodities to Several ASEAN Countries M. Naufal Rajby Halizi, Dedi Budiman Hakim, Sri Retno Wahyu Nugraheni*, and Tanti Novianti
10:00–10:15	A-10	Factors Affecting Indonesia's CPO Export to Its Main Trading Partners and Its Export Efficiency in Different Export Destinations Erni Ayu Pratiwi, Dedi Budiman Hakim, Dian Verawati Panjaitan*, and Sri Retno Wahyu Nugraheni
10:15–10:30	A-11	Current Condition of Spices and Herbs Production for Jamu Industry in Yogyakarta: a Case Study in Wukirsari Village, Imogiri Sub-district, Bantul Regency Riskina Juwita*, Rosalia Natalia Selekty, and Cahyo Wisnu Rubiyanto
10:30–10:45		Certificate Awarding and Break
11:00–11:15	A-12	Feasibility Model of Controlled Atmosphere Storage Implementation for Shallot Farmers in West Java Herawati*, Yanti Nuraeni Muflikh, Nia Rosiana, and Triana Gita Dewi
11:15–11:30	A-13	The Historical Transition of Jamu Gendong Traders in Yogyakarta: a Case Study in Kiringan Jamu Tourism Village, Bantul Regency Alia Nur Hasanah*, Cahyo Wisnu Rubiyanto, Rosalia Natalia Selekty, and Riskina Juwita
11:30–11:45	A-14	Contribution of Jamu Income to Household Income of Jamu Traders in Yogyakarta: a Case Study in Kiringan Village, Bantul Regency Idham Shafwan Hawwari*, Riskina Juwita, Cahyo Wisnu Rubiyanto, and Rosalia Natalia Selekty
11:45–12:00	A-15	Analyzing Access to Credit: the Case of Rice Farmers in Norala, South Cotabato Philippines Kristaella A. Requiz and Kenith E. Mirafuentes*
12:00–12:15		Certificate Awarding

AGRIBUSINESS

 Room 212, Building 1

08:30–08:45	A-32	Community Way to Agricultural Tourism Khwika Sukiam and Krit Leangpan*
08:45–09:00	A-33	Linking Individual Entrepreneurial Orientation to Agribusiness Outcomes: Insights From Indonesian Agricultural Titp Alumni Fadhilla Izzaty Syaikat*, Katsumori Hatanaka, and Nina N. Shimoguchi
09:00–09:15	A-34	Implementing Collaborative Action and Community-based Entrepreneurship Initiatives Toward an Empowered Crossbred Dairy Buffalo Industry in San Agustin, Isabela Rei Chino C. Pua*, Mar B. Cruz, Cris Edwin B. Bonalos, Patricia Camille O. Saturno, Clarizel Joy Jamille R. Gomez, Janelle Ayne C. Sarmiento, Kathleen L. Abreu, Dinah Pura T. Depositario, and Nanette A. Aquino
09:15–09:30	A-35	Factors Affecting the Personal Entrepreneurial Competencies (Pecs): the Case of Dairy Buffalo Farmers in San Agustin, Isabela, Philippines Fitz D. Jimenez*, Nanette A. Aquino, Dinah Pura T. Depositario, Mar B. Cruz, Rei Chino C. Pua, Cris Edwin B. Bonalos, Janelle Ayne C. Sarmiento, Clarizel Joy Jamille R. Gomez, and Diane Joy V. Garino
09:30–09:45		Certificate Awarding and Break
09:45–10:00	A-36	Supply Chain Analysis of the Bitter Gourd Commodity in Majayjay, Laguna, Philippines Cris Edwin B. Bonalos*, Elaine N. Navasero, Joshua M. Panisales, Jennica Amielle M. Mora, Eliza C. Aquino, and John Julius P. Manuben
10:00–10:15	A-37	Food Supply Chain Network and Market Analysis of Shallot in Indonesia (Case Study: Brebes District) Venty Fitriany Nurunisa*, Jan Hotman, Amzul Rifin, Bayu Eka Wicaksana, and Argadatta Sigit
10:15–10:30	A-38	Integrating Participatory Group Model Building and a Value Chain Approach to Understanding Rice Smallholders' Resiliences in West Java's Peri-urban Food Supply Systems Yanti N. Muflikh*, Amzul Rifin, Tintin Sarianti, R. Noverio Subagja, and Ammar Abdul Aziz
10:30–10:45	A-39	Japanese Quail Value Chain in Central Luzon, Philippines Marco Felix S. Valdez*, Veneranda A. Magpantay, Christine B. Adiova, and Jeanette Angeline B. Madamba
10:45–11:00		Certificate Awarding and Break
11:00–11:15	A-40	The Proximity of Organic Producers to Consumers: Towards a Solidarity Movement in Hanoi, Vietnam Fumie Takanashi*
11:15–11:30	A-41	Added-Value Of Wine Industry On Local Grapes In Bali Agung Suryawan Wiranatha* and I Gusti Ayu Oka Suryawardani
11:30–11:45	A-42	Exploring Sustainable Business Models of Indonesian Agricultural Social Enterprises Under Environmental Turbulence Ach Firman Wahyudi*, Akira Kiminami, and Hironori Yagi
11:45–12:00	A-43	Strengthening Farmers in Majayjay, Laguna Through an Agro-enterprise Clustering Approach and the Development of a Vegetable Supply Chain Hub's Blueprint and Its Guidelines Eliza C. Aquino*, Cris Edwin B. Bonalos, Jennica Amielle M. Mora, Mar B. Cruz, John Julius Manuben, Elaine Navasero, and Joshua Maru Panisales
12:00–12:15		Certificate Awarding

 **08:30–12:15**

*Presenter

10 November 2024 (Sun)

PLANT PROTECTION


 Room 213, Building 1

08:30–08:45	B-05	Toxic and Behavioral Effects of Diatomaceous Earth to Fall Armyworm, <i>Spodoptera frugiperda</i> (J.e. Smith), and Paddy Armyworm, <i>Mythimna separata</i> (Walker) Jasper A. Sarmiento*, Marcela M. Navasero, and Melissa P. Montecalvo
08:45–09:00	B-06	Preference and Predatory Ability of Earwig <i>Euborellia annulata</i> (Dermaptera: Anisolabididae) Against Fall Armyworm <i>Spodoptera frugiperda</i> Melina*, Nurariaty Agus, Andi Risna, and A. Irma Suryani
09:00–09:15	B-07	Fostering Entomophagy in the Bangsamoro Autonomous Region in Muslim Mindanao (BARMM), Philippines Through Insect-eating Festivals: A Case Study of Insect-eating Festivals and University Extension Program, 2012–2019 Emma M. Sabado* and Custer C. Deocariz
09:15–09:30	B-08	Attribute of Different Soil Types in Relation to Population Density of <i>Elaeidobius kamerunicus</i> Faust (Coleoptera: Curculionidae) During Inflorescence Anthesis Muhamad Haziq Hadif Zulkefli*, Syari Jamian, Nur Azura Adam, Sumaiyah Abdullah, Mohamed Mazmira Mohd Masri, Ramle Moslim, and Saharul Abillah Mohamad
09:30–09:45		Certificate Awarding and Break
09:45–10:00	B-09	Population Dynamics of the Rice Stem Borers and their Natural Enemies in Paddy Plants at Karawang Ruly Anwar*, Farizd Add'ha, Wahyuni Sugiati, and Dewi Sartiami
10:00–10:15	B-10	Pest and Disease App for Paddy Farmers: Development and Acceptance Norida Mazlan* and Khong Chee Leong
10:15–10:30	B-11	SPIDTECH+: an Enhanced Android Application for Smarter Identification, Management, and Monitoring of Agricultural Insect Pests and Diseases in the Philippines Sarah Jane B. Manaday*, Val Randolph M. Madrid, Rutherford L. Belleza, Michelle S. Guerrero, Adelbert Adrian A. Sendon, Mary Joy M. Lapitan, Gideon Aries S. Burgonio, Cloe A. Kahayon, Anciel A. Manaday, Rowena P. Urriza, Donna P. Ramirez, and Enoch Joshua Antonio
10:30–10:45		Certificate Awarding and Break
11:00–11:15	B-12	Exploring the Potential of Superworms (<i>Zophobas morio</i>) as a Military Food Emma M. Sabado, Eunice Fe M. Sabado, Ali Zainal Abedin M. Lingga*, and Sheanne M. Lingga
11:15–11:30	B-13	Comparative Genomics of Coconut Scale Insects, <i>Aspidiotus destructor</i> Signoret and <i>A. rigidus</i> reyne (Hemiptera: Diaspididae) Rochelle A. Quiñones*, Daniella Jean E. Pamulaklak, Darlon V. Lantican, Ma. Anita M. Bautista, Romnick A. Latina, and Barbara L. Caoili
11:30–11:45	B-14	<i>Pseudophilothrips ichini</i> (Hood) (Thysanoptera: Phlaeothripidae) and Other Pests on Nutmeg Plants in Bogor, West Java Nina Maryana*, Anna Ardila, Zeda Sabila, Nadzirum Mubin, and Pudjianto
11:45–12:00	B-15	Mixture of <i>Acorus calamus</i> L and <i>Cymbopogon nardus</i> L. as Lure to Attract Fruit Flies <i>Bactrocera dorsalis</i> (Hendel) Diptera: Tephritidae) Sylvia Sjam*, Fhinki Nurul Asmi, Vien Sartika Dewi, and Nur Azizah Fitriyanti
12:00–12:15		Certificate Awarding

PLANT PROTECTION

 Room 241, Building 1

08:30–08:45	B-28	Anaerobic soil disinfection treatment on infected root tissue of brown root rot of mango Miyuri Takahashi*, Hidehiko Kikuno, Gen Enomoto, Akinobu Kajikawa, and Kenji Yokota
08:45–09:00	B-29	Evaluating the Efficacy of <i>Trichoderma</i> spp. for Controlling Root and Stem Rot of Mungbean (<i>Vigna radiata</i> L.) Tisa Pujchakan*, Jutamas Romkaew, Wanwilai Intanoo, and Kanokwan Teingtham
09:00–09:15	B-30	Northern Corn Leaf Blight in Focus: Disease Incidence, Identity, and Traits Analysis Nicole Angelee M. Perez*, Sarah Jane B. Manaday, Remigio M. Lozano Jr., Rowena P. Urriza, Mary Joy M. Lapitan, and Marita S. Pinili
09:15–09:30	B-31	Emerging and Re-emerging Foliar Diseases of Selected Plantation Crops in the Philippines Mary Joy M. Lapitan*, Adrian Adelbert A. Sendon, Michelle S. Gurerro, Gideon Aries S. Burgonio, Julie Ann dC. Matalog, Roberto B. Geli, and Sarah Jane B. Manaday
09:30–09:45		Certificate Awarding and Break
09:45–10:00	B-32	Genetic Diversity of <i>Peronosclerospora philippinensis</i> in the Philippines Inferred From Genome Sequencing Fe M. Dela Cueva*, Benjamine William P. Cordez, Cris Q. Cortaga, Charlotte B. Acharya, Kuntal Dey, Rizalina L. Tiongco, Richard W. Michelmore, and Frank Martin
10:00–10:15	B-33	The Effectiveness of <i>Trichoderma harzianum</i> as Trichocompost in Controlling Potato Late Blight Disease Agnes V. Simamora*, Diana Y.L. Serangmo, Jesayas A. Lodingkene, Agustina Etin Nahas, Petronella S. Nenotek, Mayavira V. Hahuly, I N W Mahayasa, and M Kasim
10:15–10:30	B-34	Impact of Solar Radiation on the Development of Stem Canker Caused by <i>Fusarium decemcellulare</i> on Cacao Besse Amriati, Hardiyanti Soehart, Ade Rosmana*, and Nasaruddin Nasaruddin
10:30–10:45	B-35	Genetic Diversity of Rice Blast Disease Pathogen <i>Pyricularia oryzae</i> Cavara From South Sulawesi Tutik Kuswinanti*, Baharuddin, and Rianingsih and NA Salimah
10:45–11:00		Certificate Awarding and Break
11:00–11:15	B-36	Complex Virus Disease of Corn: an Emerging Menace in Corn-growing Areas in Bukidnon, Philippines Marita S. Pinili* and Nicole Angelee M. Perez
11:15–11:30	B-37	Mapping the Distribution of Banana Bunchy Top Virus (BBTV) Infecting Abaca (<i>Musa textilis</i> Nee) in the Caraga Region, Philippines Elizabeth P. Parac*, Mark Paul S. Rivarez, Crista Mae Magadan, Arnaldo Gagula, Rezel S. Borines, Joanne A. Langres, and Jezmeir Rey Porrasa
11:30–11:45	B-38	Elimination Efforts of Pepper Mild Mottle Virus Contaminated Cayenne Pepper Seeds Tri Asmira Damayanti*, Widya Ananda Salsabila, and Fitrianingrum Kurniawati
11:45–12:00		Certificate Awarding

 **08:30–12:15**

*Presenter

10 November 2024 (Sun)

ANIMAL HUSBANDRY

 Room 111, Building 1


08:30–08:45	C-05	Ovarian Response and Embryo Quality of Australian Black Wagyu Relative to Superovulation Treatment Peregrino G. Duran*, Danilda Hufana-Duran, Mark Vincent T. Padilla, Ronald Nuwasasira, Eric P. Palacpac, Junel B. Soriano, Glacelle C. Malinao, and Junichi Todoroki
08:45–09:00	C-06	Reproduction Key Performance Indicators of Australian Wagyu and Brahman Cross Under Philippine Condition Danilda Hufana-Duran*, Erwin DC Encarnacion, Anton N. Rotaquio, Eric P. Palacpac, Junel B. Soriano, Glacelle C. Malinao, Joshua M. Antonio, and Peregrino G. Duran
09:00–09:15	C-07	Harnessing Female Genetics Through Multiple Ovulation and Embryo Transfer for Multiplication of Calves for Dairy Eufrocina P. Atabay*, Edwin C. Atabay, Carlito F. Dela Cruz, and Excel Rio S. Maylem
09:15–09:30	C-08	Efficiencies and Applications of Timed Artificial Insemination Technologies for Genetic Improvement and Intensified Calf Production in Dairy Buffaloes Edwin C. Atabay*, Eufrocina P. Atabay, Carlito F. Dela Cruz, Excel Rio S. Maylem, Jhon Paul R. Apolinario, Oliver C. Lofranco, Roseline D. Tadeo, and Ester B. Flores
09:30–09:45		Certificate Awarding and Break
09:45–10:00	C-09	Rumen Degradable and Undegradable Protein Fractions of Some Local Feed Ingredients in Dairy Cattle Thalia J. Bacorro*, Amado A. Angeles, Jay Ronel V. Conejos, and Antonio C. Laurena
10:00–10:15	C-10	Effects of Phytonutrient-based Encapsulation of <i>Wolffia globosa</i> on Gas Production, in Vitro Fermentation Characteristics, and Methane Mitigation Using in Vitro Study Techniques Uswatun Muslykhah*, Srisan Phupaboon, Chaichana Suriyapha, Sukruthai Sommai, Sunisa Pongsub, Gamonmas Dagaew, Maharach Matra, and Metha Wanapat
10:15–10:30	C-11	Effects of Varying Diet Treatments on the Crude Protein, Crude Fat, and Chitin Fraction Obtained From Black Soldier Fly [<i>Hermetia illucens</i> (Linnaeus)] Larvae Danica Rose E. Soriano*, Amado A. Angeles, Amelia B. Hizon-Fradejas, and Mariam C. Recuenco
10:30–10:45	C-12	Correlation and Heritability of Growth and Egg Qualities in Darag Philippine Native Chicken Roumar A. Dayto*, Roger Roque E. Bustamante, Veneranda A. Magpantay, and Consuelo Amor S. Estrella
10:45–11:00		Certificate Awarding and Break
11:00–11:15	C-13	Evaluation of <i>Padina Australis</i> Brown Seaweed in Diet After Lowering Salt and Crude Fiber Content on Broiler Performance Maria Endo Mahata*, Yose Rizal, Zurmiati, Sepri Rezki, Elsanila Suryadi Buwono, and Kamiliya Rahma Sari
11:15–11:30	C-14	Langkawas (<i>Alpinia galanga</i> L. Willd) Feed Supplementation Improves the Hematological and Blood Chemistry Profile of Darag Philippine Native Chicken Diana Mei S. Trapago, Herald Nygel F. Bautista, King CJ L. Nerida, Mark Joseph M. Desamero, Consuelo Amor S. Estrella, and Veneranda A. Magpantay*
11:30–11:45	C-15	Morphological and Immunophenotypical of Chicken Bone Marrow-derived Dendritic Cells Towards Wild Type and H5-recombinant Fowlpox Virus Infections Anis Suraya Mohamad Abir*, Sakinah Yusof, Abdul Rahman Omar, Kok Lian Ho, Wen Siang Tan, and Abdul Razak Mariatulqabiah
11:45–12:00	C-16	CRISPR/CAS9-mediated Integration of Immune-enhanced NDV-F Genes into ILTV for Improved Vaccine Development Julianne A. Vilela* and Muhammad Munir
12:00–12:15		Certificate Awarding

 **08:30–12:15**

*Presenter

10 November 2024 (Sun)

FISHERY

 Room 112, Building 1

- | | | |
|-------------|---|--|
| 08:30–08:45 | K-05 | Operationalizing Social–ecological System for Small–scale Fisheries Sustainability Under Climate Change: a Literature Review
Fitria Dewi Raswatie*, Luky Adrianto, and Nguyen Ngoc Duy |
| 08:45–09:00 | K-06 | Genetic Variation of Feral Tilapias in Philippine Lakes
Jonas P. Quilang* and Zubaida U. Basiao |
| 09:00–09:15 | K-07 | Enhancing Fish Processing Enterprises Through Innovations: A Case Study of Shared Facilities
Joshua Amil B. Bacalangco*, Emmanuel C. Flores, Hadji C. Jalotjot, Nico Jayson C. Anastacio, Marriz M. Garciano, and Rona Thea T. Reodica |
| 09:15–09:30 | K-08 | Low Genetic Diversity in Native and Translocated Lake Populations of the Philippine Endemic Silver Perch <i>Leiopotherapon plumbeus</i>
Raisa Mikaelle G. Castillo* and Jonas P. Quilang |
| 09:30–09:45 |  | Certificate Awarding and Break |

WATER MANAGEMENT

 Room 112, Building 1

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|-------------|---|---|
| 09:45–10:00 | M-01 | Phytotoxicity of 2,4-D and Glyphosate Herbicide at Different Concentrations in Controlling Water Hyacinth (<i>Eichhornia crassipes</i> (Mart.) Solms) in Lake Lanao, Philippines
Juliet C. Bangi* and Jun Mark M. Pagas |
| 10:00–10:15 | M-02 | Utilizing Traditional Water Sources in an Evolving Agricultural Society: From Rice Fields to Rubber Plantations
Nachapong Janjula*, Prasong Tanpichai, and Sunti Srisuantang |
| 10:15–10:30 | M-03 | Key Trends in Groundwater Management as Adaptation to Climate Change in Agriculture: a Bibliometric Analysis
Ashemir B. Velasco*, Marco Felix S. Valdez, Francis S. Magbanua, Maria Victoria O. Espaldon, and Patricia Ann J. Sanchez |
| 10:30–10:45 |  | Certificate Awarding and Break |

AGRICULTURAL ENGINEERING

 Room 112, Building 1


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|-------------|---|---|
| 11:00–11:15 | N-01 | Innovative Mechanized Coconut Climber: Enhancing Emasculation, Pollination, Harvesting, and Hybridization
Oscar C. Barawid Jr.*, Alking B. Gorospe, Mark Angelo E. Diaz, Carlito F. Pantalunan, and Jim Ryan Dela Pena |
| 11:15–11:30 | N-02 | Development of Briquetting Technologies as a Woodfuel Supply Alternative for Conservation of Forests in Tanzania
Christian Paul Kolonel*, Satoshi Yoshino, and Takayoshi Sato |
| 11:30–11:45 | N-03 | Proposal and Feasibility Evaluation of the Irrigation System Utilizing Inexpensive and Easily Replaceable Soil Moisture Sensors and Microcomputers
Kanta Kasai*, Riku Natori, Tomonori Hashiyama, Naoko Uehara, Masahito Endo, and Ryuichi Suwa |
| 11:45–12:00 | N-04 | Development of Pasture Biomass Estimation Techniques Using Aerial Imagery in Colombia's Caribbean Region
Maiko Tani*, Yuan Haoyu, Keita Isago, José Luis Contreras, Lorena Aguayo Ulloa, Liliana Atencio Solano, and Shunsaku Nishiuchi |
| 12:00–12:15 |  | Certificate Awarding |




 **08:30–12:15**

*Presenter

10 November 2024 (Sun)

FOOD SCIENCE

 Room 113, Building 1

08:30–08:45	D-05	Kinetics of Quality Deterioration During Storage of Onion Leaf Powder and Its Effect on Shelf Stability J.M. Ocampo, D. V. Cantre*, M. G. Borines, R. B. Demafelis, W. T. Tan, J. A. Capunitan, G. N. Baticados, H. F. Rivera, and A. D. Mangilet
08:45–09:00	D-07	Molecular Identification of Cellulose-producing Isolates From Nata De Coco Mother Liquors Klyde Aeron Gabrielle C. Leonor, Krystal Joyce P. Senica, Marco Antonio A. Galo, and Richard R. Navarro*
09:00–09:15	D-08	Phenotypic Characterization of Microbial Isolates From Burong Dalag [Fermented Mudfish (<i>Channa striata</i>)] Darren Christopher J. Torres* and Richard R. Navarro
09:15–09:30		Certificate Awarding and Break
09:45–10:00	D-09	Quality of Thermally Processed Sweet Rice Cake (Biko) Using Different Chemical Preservatives May V. Villaviza*, Maria Excelsis M. Orden, Anne Margaret J. Toralba, Nicajel Song–Mi D. Ygay, and Kristina Gracia B. Gelacio
10:00–10:15	D-10	Modifying Starch Properties and in Vitro Digestibility of Cassava Flour Using High Hydrostatic Pressure Ladie Anne Conde*, Biniam Kebede, Sze Ying Leong, and Indrawati Oey
10:15–10:30	D-11	Ultrasound Extraction of Pectin From Saba Banana Peel: Characterization and Application to Yoghurt Drink Mary Jane T. Coloma*, Prince Joseph V. Gaban, Ma. Cristina R. Ilano, Joel P. Rivadeneira, Mary Ann O. Torio, and Katherine Ann T. Castillo–Israel
10:30–10:45	D-12	Optimization of Microcrystalline Cellulose Production From Banana Pseudostem By-products Thang Nguyen Trong and Thi Bich Thuy Nguyen*
10:45–11:00		Certificate Awarding and Break
11:00–11:15	D-13	Microbiological and Heavy Metal Risks of Vegetable Value Chains in Leyte, Philippines Blanche Franchette D. Llera*, Alyssa Faye Z. Capacio, Zenaida C. Gonzaga, Mark Bradbury, Jennifer Ekman, Adam Goldwater, and Gordon Rogers
11:15–11:30	D-14	Effects of Chitosan and K-carrageenan Composite Coatings on the Postharvest Quality of Eggplant (<i>Solanum melongena</i> L.) Var. Banate King F1 Under Room Conditions Richard A. Agusila* and Marilou M. Benitez
11:30–11:45	D-15	Tomato Postharvest Loss Assessment in Western Leyte, Philippines Aljay D. Valida, Marilou M. Benitez, Rosario A. Salas, Julious B. Cerna, and Ma. Lourdes L. Troyo*
11:45–12:00	D-16	Vitexin and Isovitexin of Rice Beans (<i>Vigna umbellata</i>) Aunraya Hleuarsup*, Ponsiri Liangsakul, Jutamas Romkaew, and Kanokwan Teingtham
12:00–12:15		Certificate Awarding

AGRONOMY

 Room 311, Building 1

08:30–08:45	E-05	Nutrient Effect of Bio-enriched Compost and Inorganic Fertilizers on Soil, Agronomic and Yield Performance of Rice (<i>Oryza sativa</i> L.) Under Aerobic Rice Technology (ART) Grown in General Santos City Renaldy L. Tupas*, Agripina R. Aradilla, Helen L.V. Ebuna, and Raul M. Ebuna
08:45–09:00	E-06	From Crisis to Opportunity: The New Trends of Organic Agriculture in Post-Pandemic Indonesia from agroecological perspectives Rie Miyaura*
09:00–09:15	E-07	The Effectiveness of Anaerobically Digested Slurries (ADSS) on Plant Growth Chen Ruiwen*
09:15–09:30	E-08	Does Maize–Soybean Intercropping Enhance Land Productivity In East Java, Indonesia? N. Kawasaki*, T.J. Stomph, L.S. Woittiez, W.M. Laksono, D.M.P. Simanihuruk, D. Fitriani, N. Duhita, and W. van der Werf
09:30–09:45		Certificate Awarding and Break
09:45–10:00	E-09	Growth and Soil Phosphorous Content of Grafted Cacao (<i>Theobroma cacao</i> L.) Applied With Mycorrhizal Fungi and Biochar in Acidic Agroecosystem Emer C. Gestiaida* and Nelly S. Aggangan
10:00–10:15	E-10	Effects of Biochar Application on the Growth and Yield Performance of Water Yam Bumgu Kim*, Michio Onjo, and Yu Nishizawa
10:15–10:30	E-11	Analysis of Phenotypic Traits Contributing to Stable High Tuber Yield under Non-staking Cultivation in Water Yam Norimitsu Hamaoka*, Ren Yamamoto, and Takahito Moriyama
10:30–10:45	E-12	Yield Efficiency of Philippine-grown Tea [<i>Camellia sinensis</i> (L.) O. Kuntze] as Influenced by Different Field Management Operations Lasaro A. Gomez*, NR Gonzaga, AB Gonzaga Jr., RD Taylaran, ERR Politud, and IU Hebron
10:45–11:00		Certificate Awarding and Break
11:00–11:15	E-13	Effects of Calcium and Potassium Nitrate Ratio in Irrigation Water on Jackfruit Grafting Hiroshi Matsuda*
11:15–11:30	E-14	Stem Cutting: A Rapid Propagation Technique for Pomelo Marilou B. Agaid* and Rhea J. Cabus
11:30–11:45	E-15	The Potential of Potassium Nitrate and Hydropriming Methods to Improve the Seedling Vigor of Sorghum Raymund Julius G. Rosales*, Adrienne C. Gonzales, Christian Butch Andrew A. Balbas, Micah Benize S. Gregorio–Balbas, Glisten Faith S. Pascua, and Joanna P. Crosby
11:45–12:00	E-16	Influential Growth Effects of Potassium Nitrate and Duration of Osmopriming and Hydropriming on Glutinous Corn Seeds Adrienne C. Gonzales, Christian Butch Andrew A. Balbas*, Raymund Julius G. Rosales, Micah Benize S. Gregorio–Balbas, Glisten Faith S. Pascua, and Joanna P. Crosby
12:00–12:15		Certificate Awarding

08:30–12:15

*Presenter

10 November 2024 (Sun)

AGRICULTURAL EXTENSION


📍 Room 312, Building 1

08:30–08:45	F–05	Farmers Participation in EU/NOP International Organic Agricultural Standard Certification Eleveation Pojana Simantara*, Tiwa Pakoktom, Nongpat Chaichana, and Wanwisa Wattanapansak
08:45–09:00	F–06	The Current Status of Precision Farming in the Philippines: A Delphi Method Approach Wilber B. Sabado*
09:00–09:15	F–07	Utilizing DNA Profiles of Philippine Fruit Crops for Seed Certification and Accreditation of Plant Nursery Operations Marco Rafael Espino*, Ramarie Ann B. Rama, Sarah Vanessa I. Vera, Richellen U. Ubales, France Mae M. Sanchez, and Rene Rafael C. Espino
09:15–09:30	F–08	Enhancing Gap Compliance & Climate Resilience of Spray-type Chrysanthemum Production in La Trinidad, Benguet, Philippines Darwin A. Basquial*, Carlito P. Laurean, Teresita K. Mangili, Jaime B. Codio, and Erwin P. Iba
09:30–09:45		🏆 Certificate Awarding and Break
09:45–10:00	F–09	Regional Development Initiatives Through Flexible Food Science and Technology Extension Joel P. Rivadeneira*, Romel M. Felismino, Merly T. Panganiban, Florencio C. Reginio, Jr., and Dennis Marvin O. Santiago
10:00–10:15	F–10	Empowering Farmers for Sustainable Agriculture in the Philippines: Capacity Building and Agroforestry Model Development in San Pablo and Rizal Laguna Ma. Armie Janica R. Pleto*, Maria Theresa Nemesis P. Ocampo, Romnick S. Baliton, and Rowena Esperanza D. Cabahug
10:15–10:30	F–11	Investigating Organizational Sustainability of Coconut Farmers Organizations (CFOS) in Sarangani Province Argene L. Arsenal* and Roby V. Pagong
10:30–10:45	F–12	Analyzing The Willingness To Shift To Agroforestry Of Cacao Farmers Using The Adkar Framework For Change Management In Davao De Oro, Philippines Julieta A. Delos Reyes*
10:45–11:00		🏆 Certificate Awarding and Break
11:00–11:15	F–13	Enhancing Agricultural Extension Services for Scaling Sustainable Nutrient Management in Indonesia Iris D. Bugayong*, Melanie Connor, Sheetal Sharma, Benedict B. Jardinero, Jo Anne Holly T. Ilagan, Preeti Bharti, Nuning Argo Subekti, and Moises Lopez
11:15–11:30	F–14	Evaluating the Effect of in-person and Virtual Agro-advisory Dissemination on Farmer Adoption Rates Preeti Bharti* and Shalini Gakhar
11:30–11:45	F–15	Unlocking Work Improvement: A Study of Capacity Development in Agricultural Training Programs Madonna Casimero, Elizabeth Alcachupas*, Alvin Tallada, and Johannes Mendoza
11:45–12:00	F–16	Technology Transfer as Extension Work: Best Practices of Three Philippine Technology Transfer Offices Emil John Cabrera*, Michael Viccil B. Junsay, Cathrene P. Amante, Eunice Dianne Y. Algar, Maria Elaidia C. Barria-Briones, Ida Allen L. Crisostomo, Rainielle Kyle M. Guison, Trisha Denise P. Nabatilan, and Melo Jean T. Triños-Peralta
12:00–12:15		🏆 Certificate Awarding

ENVIRONMENTAL SCIENCE

📍 Room 313, Building 1

08:30–08:45	G–05	The Future of Phil-lidar Program: A Mixed-method Analysis on the Factors Influencing the Program's Adoption in Pangasinan and in Selected Provinces of Central Luzon, Philippines Neil Christian R. Sanjorjo*, Julieta A. Delos Reyes, Abigail T. Lat, Jennifer C. Padrid, and Lady Litz M. Aquino
08:45–09:00	G–06	On the Integration of Natural Capital Accounting Into the Systems of National Accounts—status, Gaps, and Challenges Gemmalyn M. Trespalacio* and Ernesto O. Brown
09:00–09:15	G–07	Gleaner's Ecological Knowledge and Gleaned Macroinvertebrate Composition in Marang-marang, Malamawi Island, Basilan, Philippines Nur Inih U. Sahidjan* and Wella Tiu-Tatil
09:15–09:30	G–08	Estimation Of Factors Influencing The Carbon Storage Capacity of Trees In Malang Urban Parks, Indonesia Rosyi Damayanti T. Manningtyas*, Tati Budiarti, Caesa A. Zahra, and Ach F. Wahyudi
09:30–09:45		🏆 Certificate Awarding and Break
09:45–10:00	G–09	Extent of Fertilizer and Pesticide Usage in Rice, Corn and Vegetable Producing Areas of Cagayan Valley Artemio A. Martin Jr.*
10:00–10:15	G–10	Pathways for Transforming Idle Spaces in Urban and Peri-urban Areas into Food-producing and Recreational Green Spaces Fernando C. Sanchez Jr.*, John Bryan E. Lawas, Maria Charito E. Balladares, Norma G. Medina, Marco Rafael M. Espino, Veianne May B. Dote, and France Mae M. Sanchez
10:15–10:30	G–11	Assessment of Crop Diversity, Aboveground Biomass, and Carbon Stock of Different Cacao-based Farming Systems in Nagcarlan, Laguna, Philippines Lance Irvin F. Elleva*, Rico C. Ancog, Jessica D. Villanueva-Peyraube, and Edna A. Aguilar
10:30–10:45	G–12	Building Sustainable Food Systems Through Resilient and Carbon-neutral Agriculture in Southeast Asia Keiichi Hayashi*
10:45–11:00		🏆 Certificate Awarding and Break
11:00–11:15	G–13	The Impacts of Solar Radiation Management in the Water Availability Over Laguna and Lanao Lakes in the Philippines Patricia Ann J. Sanchez*, Rodel D. Lasco, Keane Carlo G. Lomibao, Hannah W. Jose, Allan T. Tejada, Jr., Emmanuel S. Gapan, Catherine B. Gigantone, and Jessa O. Aquino-Cando
11:15–11:30	G–14	Heat Stress and the Effect of Rosella Calyx (<i>Hibiscus sabdariffa</i> L.) Tea to the Body Temperature, Water Intake, and Malondialdehyde Levels on Mice Armenia*, R. A. Dwiputri, and R. Abdillan
11:30–11:45	G–15	Forest Diversity and Ethnobotanical Knowledge and Utilization of the Mangroves in Malamawi Island, Basilan, Philippines Norvie A. Semine* and Wella T. Tatil
11:45–12:00	G–16	The Cost of Marawi Siege to the Forest Ecosystem in Marawi City Abdulmadjid A. Abdurrahman* and Wella T. Tatil
12:00–12:15		🏆 Certificate Awarding

 **08:30–12:15**

*Presenter

10 November 2024 (Sun)

PLANT PHYSIOLOGY


 Room 341, Building 1

08:30–08:45	I-05	Physiological Effects of Lanthanum, Cerium, and Mycorrhizal Fungi on the Growth and Chlorophyll Content of Corn (<i>Zea mays</i> L., Ipb Var 11) in Copper-mined Soil John Melvin C. Pamintuan and Nina M. Cadiz*
08:45–09:00	I-06	Volatile Organic Chemicals Released by the Fungus <i>Trichoderma Asperellum</i> Ac.3 Enhance Plant Development in Maize Nurasiah Djaenuddin*, Muhammad Junaid, Eriyanto Yusnawan, Ade Rosmana, Andi Nasruddin, and Tutik Kuswinanti
09:00–09:15	I-07	Effects of the Responses Based on Neighbor-Identity Recognition on the Content of Tuber Functional Ingredient in <i>Dioscorea alata</i> L. (Water yam) Takuto Kaneko*, Yuya Fukumoto, Yu Nishizawa, Katsuyoshi Shimizu, Michio Onjo, and Kozue Sakao
09:15–09:30	I-08	Exploring the Rice-growth Promotion by Phosphate-solubilizing Isolate From Paddy Field in Philippines Jean Louise Damo*, Hinako Sugiura, Shin-ichiro Agake, Takehiro Ito, Kaisei Maruyama, Michiko Yasuda, Yong Guo, Tomoyasu Nishizawa, Hiroyuki Kasahara, Shin Okazaki, and Naoko Ohkama-Ohtsu
09:30–09:45		Certificate Awarding and Break
09:45–10:00	I-09	Root Promotive-effect of Paclitaxel as a Hardening Strategy for In Vitro Abaca (<i>Musa textilis</i> Nee) Flora Mia Y. Duatin*, Calixto M. Protacio, Evalour T. Aspuria, Christian Joseph R. Cumagun, and Antonio G. Lalusin
10:00–10:15	I-10	Method and Application on the Micropropagation Technique of Chayote in the Cordillera, Philippines Milagros R. Dumaslan*, Lorelie R. Ollayan, Melanie Comay-oa, Lorelie R. Ollayan Sheryl Manuel, Clemente Dogyang, and Jared Palermo
10:15–10:30	I-11	Superoxide Dismutase (Sod) In Melon And Utilization Thapakorn Chumphon*, Pojana Simantara, and Prapa Sohsalam
10:30–10:45		Certificate Awarding and Break

PLANT BREEDING/ GENETICS

 Room 341, Building 1

11:00–11:15	H-01	Microsatellite Capture Sequencing (MICAP) Provides Insights Into the Phylogeny of Zingiberaceae Miao Shi*, Keisuke Tanaka, and Kazuo N. Watanabe
11:15–11:30	H-02	Morphological Variation and Characterization of Local <i>Vigna Umbellata</i> Thunb. (Ohwi and Ohashi) Germplasm Maricel Ramos Mamalayan*, Mark Christopher Valdez, Christopher Cruz, Alex Pedroso, Ailene Galvez, and Ace Pascual
11:30–11:45	H-03	Diversity and Phylogenetic Relationships of Philippine Native <i>Hoya</i> Species Through Morphological Characterization Gerlie P. Antesco, Elena May N. Cabarrubias, Milkie Joy L. Parducho, Kristine Joy V. Carandang, Jennelyn C. Bengoa, Roanne R. Gardoce, Catherine Hazel M. Aguilar, and Maria Luisa D. Guevarra*
11:45–12:00	H-04	Stability and Agromorphological Evaluation of Promising Marigold Clones in Highland and Lowland Conditions Syarifah Iis Aisyah*, Ade Buchori, Dewi Sukma, Dewa Ngurah Suparapta, and Muhammad Syukur
12:00–12:15		Certificate Awarding




 **13:15–17:00**

*Presenter

10 November 2024 (Sun)



AGRIBUSINESS

 Room 211, Building 1

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| 13:15–13:30 | A-16 | Assessment of the Consumption Patterns and Behavior on Corn and Other Alternative Staples Among Rural Households in Northern Mindanao, Philippines
Nelda R. Gonzaga, Apolinario B. Gonzaga Jr., Renante D. Taylaran, April Mae Batuigas, Belfred Bryan G. Chavez, Christine Lure A. Camiguing, Ronelo G. Cablinda, Laya Lou Montecalvo*, and Wilma A. Hurtada |
| 13:30–13:45 | A-17 | Growth Performance and Cost-benefit Analysis Based on Different Diet Systems for the Native Chicken Farmers in Malaysia
Aye Aye Khin*, Lim Chee Seong, Toong Foo Weng, Boey Jin Wern, and Ng Zi Ying |
| 13:45–14:00 | A-18 | Food Loss Assessment of Mungbean Products for Identifying the Food Loss Reduction Measures Along the Whole Value Chain and Report SDG 12.3.1
Prakit Somta, Kulab Laosatit, Chuchat Bunsak, Atchara Jomsangawong, Siriwan Ampanchai, Chanantawat Suphasutthirangkul, Arada Masari, Naruthep Wechpibal, and Kanokwan Teingtham* |
| 14:00–14:15 | A-19 | Utilization of Internet and E-commerce During Covid-19 in the Food and Drink Micro and Small Industry in Indonesia
Dahlia Naully*, Nabil Izzany, and Amzul Rifin |
| 14:15–14:30 |  | Certificate Awarding and Break |
| 14:30–14:45 | A-20 | A Factor Analysis Approach to Enhance Consumer Satisfaction in Hydroponic Tomato Farming
Hettige Samitha Lakshan Gunasekara*, Nina N. Shimoguchi, Rika Terano, Ramadhona Saville, and Katsumori Hatanaka |
| 14:45–15:00 | A-21 | Balancing Tradition and Technology: Innovation Adoption in Smoked Fish Processing by MSMEs in Selected Provinces in the Philippines
Emmanuel Flores*, Hadji Jalotjot, Nico Jayson Anastacio, Marriz Garciano, Joshua Amil Bacalangco, and Rona Thea Reodica |
| 15:00–15:15 | A-22 | Innovation Readiness and Capability Assessment of Fish and Seafood Processors in Luzon, Philippines
Hadji C. Jalotjot*, Marriz M. Garciano, Nico Jayson C. Anastacio, Emmanuel C. Flores, Joshua Amil B. Bacalangco, and Rona Thea T. Reodica |
| 15:15–15:30 | A-23 | Low Carbon Initiative Agricultural Sector: Community-based Integrated Smart Farming
Nia Kurniawati Hidayat*, Asti Istiqomah, Ahyar Ismail, and Nuva |
| 15:30–15:45 |  | Certificate Awarding and Break |
| 15:45–16:00 | A-24 | Charting the Four Key Dimensions of Food Security in Brgy. Laois, Labrador, Pangasinan, Philippines
Lady Litz M. Aquino* and Julieta A. Delos Reyes |
| 16:00–16:15 | A-25 | Impact of the Global Pandemic on Agriculture: a Case Study of Indonesian Farmers in Margomulyo Village, Sleman District, Yogyakarta Province
Rosalia N. Selekty*, Nadila P.A. Widjanarko, Sachio W. Arai, and Alia B. Raya |
| 16:15–16:30 | A-26 | A Longitudinal Study of Agriculture Households in Indonesia: the Impact of Climate Change on Labor Mobility
Hastuti*, Teguh Dartanto, Alin Halimatussadiah, and Amzul Rifin |
| 16:30–16:45 | A-27 | Portraits of Welfare and Food Security of the Poor During the COVID-19 Pandemic in West Java Province, Indonesia
Yusman Syaukat*, A Faroby Falatehan, Nia Kurniawati Hidayat, and Fitria Dewi Raswatie |
| 16:45–17:00 |  | Certificate Awarding |

AGRIBUSINESS

 Room 212, Building 1

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| 13:15–13:30 | A-44 | Motivations and Barriers for Adoption of Locally Tissue-cultured Aglaonema: A Shift Towards Sustainable Propagation and Trade
Maria Luisa N. Donasco, Julieta A. Delos Reyes, Abigail T. Lat*, and Jennifer C. Padrid |
| 13:30–13:45 | A-45 | Key Factors Influencing Cocoa Farmers' Willingness to Replanting Cocoa Trees: A Case Study in Lampung, Indonesia
Tursina Andita Putri*, Herawati, Tintin Sarianti, Rahmat Yanuar, and Amzul Rifin |
| 13:45–14:00 | A-46 | Determinants of Good Agricultural Practices (GAP) Adoption Among Vegetable Farmers in Majayjay, Laguna, Philippines
Jennica Amielle M. Mora*, Cris Edwin B. Bonalos, Eliza C. Aquino, Mar B. Cruz, John Julius P. Manuben, Elaine N. Navasero, and Joshua Maru P. Panisales |
| 14:00–14:15 | A-47 | Value-added Rice Production by Large-scale Rice Farming Groups in Northeast Thailand: A Case Study in Sakon Nakhon and Nakhon Phanom Provinces
Yuki Toyama*, Sukontip Vianmana, Kumi Yasunobu, and Asres Elias |
| 14:15–14:30 |  | Certificate Awarding and Break |
| 14:30–14:45 | A-48 | Institutional Entrepreneur in the Commodity Chain of Robusta – Lampung Coffee
Suharno*, Rachmat Pambudy, and Yohanna Retnaning Widayastuti |
| 14:45–15:00 | A-49 | Modeling of Egg Production System in Limapuluh Kota Regency West Sumatra Indonesia
Dwi Yuzaria*, Reswati, Elfi Rahmi, and Winda Sartika |
| 15:00–15:15 | A-50 | Comparing the Meat Quality of Slow-growing Commercial Broiler and Darag Native Chickens
Kimberly Ann P. Bermudez*, Ma. Christine G. Ortiguero, Herald Nygel F. Bautista, Maria Cynthia R. Oliveros, Consuelo Amor S. Estrella, and Veneranda A. Magpantay |
| 15:15–15:30 | A-51 | Analysis of Food Consumption Pattern in the Rural Households of Nepal
Aruna Palikhe* |
| 15:30–15:45 |  | Certificate Awarding and Break |
| 15:45–16:00 | A-52 | Comparative Muscle Fiber Characteristics and Meat Tenderness of Darag Philippine Native Chicken and Commercial Broiler
Roger Roque E. Bustamante*, Maria Cynthia R. Oliveros, Mary Jasmin C. Ang, Veneranda A. Magpantay, Herald Nygel Bautista |
| 16:00–16:15 | A-53 | Carcass and Meat Quality Characteristics of Antique Native Pigs
Arvin D. Subillaga*, Agapita J. Salces, Consuelo Amor S. Estrella, Elpidio M. Agbisit, Jr., and Rico C. Ancog |
| 16:15–16:30 | A-54 | Short-term Effects of Diet Containing Local Plants on Productive Performance and Egg Quality of Aged Laying Hens in Open Housing System
Donchida Wathinputthiporn, Sonthaya Sampaonthong, Yuwares Ruangpanit, and Koonphol Pongmanee* |
| 16:30–16:45 |  | Certificate Awarding |

 13:15-17:00

*Presenter

10 November 2024 (Sun)

PLANT PROTECTION

 Room 213, Building 1

13:15-13:30	B-16	Vegetable Hosts of Phytoplasma in the Philippines Cris Q. Cortaga*, Ronel T. Aguilar Jr., Jay-Vee S. Mendoza, Lolita M. Dolores, Hiroaki Koinuma, Toshiro Shigaki, Kensaku Maejima, and Fe M. Dela Cueva
13:30-13:45	B-17	Molecular Analysis of the Blood Disease Bacterium Affecting Bananas in Indonesia and Ralstonia Solanacearum Related Strains, a Causal Agent of Wilt Disease Baharuddin Patandjengi*, Tutik Kuswinanti, Nurmujaiddin, and A. Adinda Namirah
13:45-14:00	B-18	Molecular Insights and Sustainable Control Strategies for Fusarium Wilt Disease in Bananas Fatin Nadiyah Jamil, Wan Anati Nabilah Wan Tajudin Shah, Amalia Mohd Hashim, Mohd Termizi Yusof, and Noor Baity Saidi*
14:00-14:15	B-19	First Report of Fruit Bronzing Disease on Jackfruit in South Sulawesi, Indonesia Fadyah Khamila Sahlan*, Tutik Kuswinanti, and Baharuddin Patandjengi
14:15-14:30		Certificate Awarding and Break
14:30-14:45	B-20	Inhibition of Growth of Ralstonia solanacearum by Actinomycetes Isolated From Sweet Potato and Eggplant Rhizosphere in Laguna, Philippines Hyacinth Myrrah Ashley A. de Guzman* and Nathaniel R. Alcantara
14:45-15:00	B-21	Spatio-temporal Multilocus Genetic Diversity and Pathogenicity of Ralstonia solanacearum Causing Bacterial Wilt of Economically Important Crops in the Philippines Oliver D. Balanban*, Benjamine William P. Cordez, Jay-Vee S. Mendoza, Rizalina L. Tiongco, Ahrbie M. Tinio, and Fe M. Dela Cueva
15:00-15:15	B-22	Antagonistic Activity of Trichoderma Species and Entomopathogenic Fungi Against Bipolaris Maydis, Causing Corn Leaf Blight Melissa P. Montecalvo* and Trisha Anne P. Garcia
15:15-15:30	B-23	The Effectiveness of Beauveria bassiana in Controlling Spodoptera Frugiperda: Carrier Media Testing, Application Methods, and Culture Duration Itji Diana Daud*, Sri Nur Aminah Ngatimin, Fatahuddin, Agus Mirdin, Novel Helly Liku, Riri Arstriani, and A. Irma Suryani
15:30-15:45		Certificate Awarding

FORESTRY

 Room 241, Building 1

13:15-13:30	L-01	Agroforestry in Ambon Island, Maluku Province, Indonesia: Tree Species Composition and Structure Sota Yamamoto*, Rico Hachisuka, Nobuhiko Komaki, Tomohiro Kondo, Daisuke Uyeno, Jeter D. Siwalette, and Wardis Girsang
13:30-13:45	L-02	Agroforestry in Ambon Island, Maluku Province, Indonesia: Photosynthetic Characteristics of Trees Grown at the Agroforestry Tomohiro Kondo*, Rico Hachisuka, Nobuhiko Komaki, Daisuke Uyeno, Jeter D. Siwalette, Wardis Girsang, and Sota Yamamoto
13:45-14:00	L-03	Diversity of Bacteria in the Phytotelmata of Nepenthes Alata Blco. at the Mt. Makiling Forest Reserve, Philippines Nathaniel R. Alcantara*, Bernadette C. Mendoza, Noel G. Sabino, Juancho J. Balatibat, Jessica F. Simbahan, Francis L. de los Reyes III, and Michael R. Hyman
14:00-14:15		Certificate Awarding and Break
14:30-14:45	L-04	Strengthening Urban Forest: Mycorrhizal Approach in Enhancing the Field Growth and Heavy Metal Uptake of Philippine Native Tree Parkia timoriana (Dc.) Merr. in Selected Urban Landscape in Metro Manila, Philippines Arjay B. Bedaña*
14:45-15:00	L-05	Resin Tapping Practices and Yield Capacity of Almaciga Trees in the Philippines Analyn L. Codilan*, Lawrence Adolph M. Amada, John Louie L. Educado, Marlo M. Caña, Leonardo D. Barua, Angelito P. Cinco, Canesio D. Predo, Rogelio T. Andrada II, Rose Jane J. Peras, and Margaret M. Calderon
15:00-15:15	L-06	Assessing the Impact of Bamboo Plantations on the Dimensions of Local Community Capital for Improving Livelihoods in Malaysia Zaiton Samdin*, Norfaryanti Kamaruddin, Norzanalia Saadun, and Utin Roziana Gusti Asmadi
15:15-15:30	L-07	Transition of Forest Utilization by Communities in Bangladesh Riho Sato* and Keiko Yoshino
15:30-15:45		Certificate Awarding




 **13:15–17:00**

*Presenter

10 November 2024 (Sun)

ANIMAL HUSBANDRY

 Room 111, Building 1

13:15–13:30	C-17	Seed Quality in Response to Molluscicides Nura Adila Mohd Rosli*, Siti Izera Ismail, Nadiyah Mad Nasir, Maznah Zainol, and Anis Syahirah Mokhtar
13:30–13:45	C-18	A Holistic Approach to Mitigate Human–elephant Conflict at the Agricultural Area–elephant Habitat Interface Along a Protected Area, the Eastern Forest Complex, Thailand Supakarn Kaewchot*, Pornchai Sanyathitiseree, Supaphen Siripiboon, Suporn Thongyuan, and Pithak Yingyong
13:45–14:00	C-19	Animal Genetic Resources Management Through Biological Vault of Cryobanking in the Philippines Lilian P. Villamor*, Therese Patricia C. Cailipan, Aivhie Jhoy E. Cuanang, and John Exequiel Hilario
14:00–14:15	C-20	Heritability Estimates and Relationships of Body Weight and Morphometric Characteristics of Darag Philippine Native Chicken Consuelo Amor S. Estrella*, Herald Nygel F. Bautista, Kimberly Ann P. Bermudez, and Veneranda A. Magpantay
14:15–14:30		Certificate Awarding and Break
14:30–14:45	C-21	Genetic Characterization of Local Mallard Ducks in Leyte and Samar, Philippines Based on Mitochondrial DNA Cyrill John P. Godinez*, Michael Dominic M. Garrido, Justine Bennette H. Millado, Julius V. Abela, Hiroshi Kamitakahara, Yasuyuki Kono, and Masahide Nishibori
14:45–15:00	C-22	Morphometric Traits of Growing Itikpinas (Ip) – Itim (<i>Anas platyrhynchos</i> L.) Reared in Intensive Production System Christian Paul Lazaro*, Joan R. Rarogal, Sean R. Vidad, Duane Mark A. Rarangon, and Lee Zhemyr C. Grande
15:00–15:15	C-23	Philippine Native Cattle: Genomic Relationship to Other Cattle Population and Selection Signature Jorge Michael D. Dominguez*, Medino Gedeun N. Yebbron, Jr., Joy B. Banayo, Agapita J. Salces, and Kwan Suk Kim
15:15–15:30	C-24	The Growth Performance of Broiler Chicken Supplemented With Bacillus Species Isolated From Ducks and Goat Gut Microbiota Claire B. Salvedia*, Gary Antonio Lirio, James Jr. Cerado, Jenine Tricia Esteban, and Jeffrey Adriano Ferrer
15:30–15:45		Certificate Awarding and Break
15:45–16:00	C-25	Efficacy of Bacillus–based Probiotic and Nspase Supplementation on Growth Performance and Heterophil to Lymphocyte Ratio of Broilers Fed High Level of Palm Kernel Meals Under High Stocking Density Nurul Imawati*, Kris Angkanaporn, and Sri Subekti
16:00–16:15	C-26	Production Practices and Phenotypic Diversity of Ecovillage Chicken (<i>Gallus domesticus</i>) Sold in Selected Markets in General Santos City Fryan Allen M. Subong* and Praise Aniscal
16:15–16:30	C-27	Species Classification of Eri Silkworm <i>Samia Risini</i> Drury (Lepidoptera: Saturniidae) in Thailand Siriwan Tunkhumbong* and Uraiwan Ninpetch
16:30–16:45	C-28	Effects of Feeding Postbiotics on Growth Performance, Heat Shock Protein70, Acute Phase Proteins, Immune Response, Antioxidant Enzyme Activity, Carcass Yield, and IGF-1 and GHR mRNA Expression in Broilers Under Heat Stress Teck Chwen Loh* and Hooi Ling Foo
16:45–17:00		Certificate Awarding

SOIL SCIENCE

 Room 112, Building 1

13:15–13:30	J-01	Role of Biochar on Soil Physical Properties and Water Use Efficiency of Sweet Corn (<i>Zea mays</i> L. Var. <i>Saccharata</i>) in Less Clay Soil Yulnafatmawita*, Teguh Budi Prasetyo, and Al-Hidayati Maulana Anwar
13:30–13:45	J-02	Effects of Mafic Rock Powder on the Growth of Banana (<i>Musa acuminata</i>) Under Acidic and Alkalic Soil Conditions Andrew Agrey Abiya*, Michel Ouyabe, Catherine Ngamau, Rikuto Tamaki, Motoaki Seki, and Hidehiko Kikuno
13:45–14:00	J-03	Effect of Chicken Manure on the Growth, Yield, and Soil Quality in Containerized Ginger Cultivation System Darel Kenth S. Antesco*, Michelle Anne Bunquin, Archibald N. Ventura, John Bryan E. Lawas, Cecilia C. Almontero, and Ryan Rodrigo P. Tayobong
14:00–14:15	J-04	Agrotourism Landscape Planning of Gunung Gagak Coffee Plantation in Purwabakti Village, Pamijahan District, Bogor Regency, West Java Alfina Ayunda Safitri and Afra Donatha Nimia Makalew*
14:15–14:30		Certificate Awarding and Break
14:30–14:45	J-05	The Diversity of Essential Mineral Concentration in Forages and Volcanic Soils in the Eruption–impacted Areas of Indonesian Active Volcanoes Khalil*, Dwi Ananta, Reni Novia, Suyitman, and Joelal Achmadi
14:45–15:00	J-06	Interaction of Various Elements and CH₄ Emission Influenced by Long–term Organic and Inorganic Fertilizer Management Practices of Paddy Soils Under Anoxic Incubation Jerickson Manuel Dela Cruz*, Taru Hamamoto, Cheng–Hsien Lin, Yu–Ting, Liu, and Tomoyuki Makino
15:00–15:15	J-07	Evaluating Rice Areas Impacted by Seawater in Bohol, Philippines: A Study on Mapping and Land Suitability Lorraine S. Lao*, Marcial S. Buladaco II, Evaristo Niño T. Cando III, and Jocelyn D. Labios
15:15–15:30	J-08	Soil Nematode Community & Crop Productivity in Biochar/tilant–amended Soils in Cebu, Philippines Maria Lima D. Pascual*, Jerome H. Ruiz, and Reuben James C. Rollon
15:30–15:45	J-09	The Characteristics of the External Hyphosphere Environment of <i>Rosellinia necatrix</i> in Response to Heat Stress Mechelle R. Mangmang*, Chie Katsumaya, Masumi Villeneuve, and Yukari Kuga
15:45–16:00	J-10	Assessment of Microplastics in Volcanic Soils of Selected Vegetable Farms in Brgy. Cabintan, Ormoc City, Leyte and Its Influence on Soil Properties Dyana Rose T. Milleza* and Anabella B. Tulin
16:00–16:15		Certificate Awarding

 **13:15–17:00**

*Presenter


10 November 2024 (Sun)


FOOD SCIENCE

 Room 113, Building 1

13:15–13:30	D-17	Evaluation of the Quality Characteristics of Poultry Meat From South Supermarket in Los Banos, Laguna Stored at Chilling Temperature Elsa Marie A. Siapatco*, Alithea Q. Jumawan–Balitaon, Dennis V. Cantre, Floirendo P. Flores, Lotis E. Mopera, and Michael Angelo S. Esteban
13:30–13:45	D-18	Quantitative Microbial Risk Assessment for <i>E. Coli</i> in Selected Meat-based Street Foods in Leyte, Philippines Inish Chris P. Mesias*
13:45–14:00	D-19	Unveiling the Metabolic Diversity of Chicken Breeds Through LCMS/MS Approach for Authentication M. S. Yogeswari* and Nuzul Noorahya Jambari
14:00–14:15		Certificate Awarding and Break
14:30–14:45	D-20	Quality Evaluation of Mango (<i>Mangifera indica</i>) Juice Formulated With Crude Ultrasound-extracted 'saba' Banana (<i>Musa acuminata</i> Colla X <i>Musa balbisiana</i> Colla Bbb Group) Peel Pectin Kim Leo F. Villegas*, Jelynn P. Tamayo, Ma. Cristina R. Ilano, Prince Joseph V. Gaban, Joshua B. Benedicto, Katherine Ann T. Castillo–Israel, and Joel P. Rivadeneira
14:45–15:00	D-21	Quality Evaluation of Mango (<i>Mangifera indica</i> L.) Jam and Jelly Formulated With Ultrasound-extracted 'saba' Banana (<i>Musa acuminata</i> X <i>balbisiana</i> Bbb Group) Peel Pectin Adrian T. Cabbuag*, Jelynn P. Tamayo, Ma. Cristina R. Ilano, Prince Joseph V. Gaban, Joshua B. Benedicto, Katherine Ann T. Castillo–Israel, and Joel P. Rivadeneira
15:00–15:15	D-22	Potential Anti-diabetic Property of Ready-to-drink (RTD) Beverage From Avocado (<i>Persea americana</i>) Leaves Raina Alyssa Regacho Coson* and Rona Camille Lizardo–Agustin
15:15–15:30	D-23	Study on the Conditons for Production of Fermented Juice From <i>Annona squamosa</i> L. In Vietnam Minh Thi Nguyen* and Nguyet Minh Le
15:30–15:45	D-24	Extraction of Bioactive Compounds from Residue Rose Petals in Thailand for Food and Cosmetic Application Prapa Sohsalam*, Artitaya Klinpayom, and Thapakorn Chumphon
15:45–16:00	D-25	Shelf-life Testing of Orange-fleshed Sweetpotato Flour Using Temperature-accelerated Method Lei Dominique S. Toma Cruz, Dennis Marvin O. Santiago*, Sheba Mae M. Duque, Florencio C. Reginio Jr., Frankie Lycurgus D. Avorque, and Marie Bless B. Galang
16:00–16:15		Certificate Awarding

AGRONOMY

 Room 311, Building 1

13:15–13:30	E-17	The Potential of Specialty Rice in Improving the Sustainability of Rainfed Lowland Ecosystems Ace Mugssy L. Agustin*, Jeremias L. Ordonio, Nonawin B. Lucob–Agustin, Roel R. Suralta, Hiroshi Ehara, Shiro Mitsuya, Akira Yamauchi, and Mana Kano–Nakata
13:30–13:45	E-18	Development of Rice Farm Recording Using Google Form Titawaree Aumsaard*, Tiwa Pakoktom, Nongpat Chaichana, and Pojana Simantara
13:45–14:00	E-19	Seedling Age and Seedling Densities Under Lowland Culturein Improving the Growth and Yield Performance of Mulawin Pigmented Rice Maribelle A. Soriano*, Jomer B. Mangawang, and Ma. Luz F. Cabatan
14:00–14:15	E-20	Integrated Weed Strategies for Direct-seeded and Transplanted Pigmented Rice Variety in Aurora, Philippines Chenie Mae T. Bibon*, Maribelle A. Soriano, Jomer B. Mangawang, Ma. Luz F. Cabatan
14:15–14:30		Certificate Awarding and Break
14:30–14:45	E-21	Physicochemical and Organoleptic Evaluation of Indigenous Pigmented Rice Varieties in Aurora, Philippines Jomer B. Mangawang*, Maribelle A. Soriano, and Ma. Luz F. Cabatan
14:45–15:00	E-22	Disease Screening and Response of Selected Philippine Weedy Rice Against Standard Rice Blast (<i>Magnaporthe oryzae</i>) Isolates Johannes Mendoza*, Madonna C. Casimero, Analiza Henedina M. Ramirez, and Mary Jeanie T. Yanoria
15:00–15:15	E-23	Morpho-agronomic Characteristics and Genetic Diversity of Traditional Upland Rice (<i>Oryza sativa</i> L.) Varieties in Negros, Philippines Angelie Rose L. Lumba*
15:15–15:30	E-24	Rice-based Cropping Systems Sustainability Amidst Changing Climatic Conditions Analysis in Nueva Ecija, Philippines Jayson O. Villamor* and Pompe C. Sta. Cruz
15:30–15:45	E-25	Investigation of Fitness Cost, Non-target Site Resistance Mechanism, and Management of Bispyribac-sodium-resistant <i>Echinochloa crus-galli</i> Biotypes From the Philippines Niña Gracel Dimaano*, Micah Rinoa Testor, Christianne Lei Golena, Clare Hazel Tabernilla, and Mary Joy Abit
15:45–16:00		Certificate Awarding

 **13:15–17:00**

*Presenter

10 November 2024 (Sun)

AGRICULTURAL EXTENSION

 Room 312, Building 1

13:15–13:30	F-17	Participatory Approaches in Upscaling Nutrition-sensitive Crop Production and Urban Agriculture Through Edible Landscaping Fernando C. Sanchez Jr., John Bryan E. Lawas*, Maria Charito E. Balladares, Norma G. Medina, Julieta A. Delos Reyes, Marco Rafael M. Espino, Veianne May B. Dote, and France Mae M. Sanchez
13:30–13:45	F-18	Strengthening the Capacity of Agricultural Extension Workers on Nutrition-sensitive Crop Production through Edible Landscaping: An Evaluation of the Participatory Capacity Building on Edible Landscaping Conducted in the Different Regions in the Philippines Fernando C. Sanchez Jr., France Mae M. Sanchez*, John Bryan E. Lawas, Maria Charito E. Balladares, Norma G. Medina, Julieta A. Delos Reyes, Marco Rafael M. Espino, and Veianne May B. Dote
13:45–14:00	F-19	Assessment of Urban and Peri-urban Agriculture Program Implementation in Selected Regions in the Philippines: Learnings and Recommendations Fernando C. Sanchez Jr., Veianne May B. Dote*, Maria Charito E. Balladares, Norma G. Medina, Julieta A. Delos Reyes, Marco Rafael M. Espino, France Mae M. Sanchez, and John Bryan E. Lawas
14:00–14:15	F-20	Receptivity of Beneficiaries to Snap Hydroponics Adoption Through a Virtual Training of Trainers Program Ricky Bryan U. Biagtan*, Lorna G. Matanguihan, Jaia Gabrielle L. Lapiz, Juvette P. Villanueva, Julianne Q. Afable, and Virma Rea Lee
14:15–14:30		Certificate Awarding and Break
14:30–14:45	F-21	Social and Economic Outcomes of the IPB Pole Sitao Contract Growing Project: A Case Study Virma Rea G. Lee, Dianne B. Ubaldo*, Lorna G. Matanguihan, and Ricky Bryan U. Biagtan
14:45–15:00	F-22	Marshland Farming and Its Contribution to Environmental Preservation and Local Food Security in Ligawasan Marsh, Philippines Nasrudin A. Buisan* and Alita T. Roxas
15:00–15:15	F-23	An Assessment of Yield Loss in Nam Dok Mai Mango Production, Thailand Rapee Dokmaithes*, Kanapol Jutamane, Kietsuda Luengwilai, Panumas Kotepong, Thiwaporn Phadung, and Areerat Pakpitjaroen
15:15–15:30		Certificate Awarding

ENVIRONMENTAL SCIENCE

 Room 313, Building 1

13:15–13:30	G-17	The Analysis of the State and Level of Environmental Literacy Relating to the Waste Problems of the Students, Bachelor of Science in Agriculture and Environmental Education, Faculty of Education and Development Sciences, Kasetsart University Apichart Jai-aree* and Mr. Sophon Dangmase
13:30–13:45	G-18	Lead Pollution From Used Battery Recycling: a Case Study of Cinangka Village Etty Riani*, Nurlisa A. Butet, Muhammad Ansori, and Muhammad Reza Cordova
13:45–14:00	G-19	Single-use Plastic Policy in San Jose City, Philippines: A Probe Ellearha Shai R. Bantigue, Ma. Isabelle A. Gloria, Jesselyn Marie V. Suncuaco, Rhea Cenina N. Villamar, and Matilde Melicent F. Santos-Recto*
14:00–14:15	G-20	Community Structure of the Seagrass Meadows in Malamawi Island, Isabela, Philippines: a Supplementary Tool for Seagrass Conservation Jill Ruby L. Parmisana* and Wella T. Tatil
14:15–14:30	G-21	Estimate of the Economic Value of Beach Forests' Provisioning Services in Northern Mindanao, Philippines Wella T. Tatil*, Canesio D. Predo, Cristino L. Tiburan Jr., and Hildie Maria E. Nacorda
14:30–14:45		Certificate Awarding

 **13:15–17:00**

*Presenter

10 November 2024 (Sun)

PLANT BREEDING/GENETICS

 Room 341, Building 1

13:15–13:30	H-05	Genetic Diversity of Lacustrine Populations of the Snakehead Gudgeon <i>Giuris laglaizei</i> (Gobiiformes: Eleotridae) in the Philippines Based on Mitochondrial DNA Control Region Onaya P. Abdulmalik-Labe* and Jonas P. Quilang
13:30–13:45	H-06	Yield and Agronomic Performance of M9 Mutant Lines of NSIC RC218 Under Rainfed Lowland Conditions Rosemarie I. Agudia, Ace Mugssy L. Agustin, and Jeremias L. Ordonio*
13:45–14:00	H-07	Agrobacterium-mediated Transformation of Prime Editing and CRISPR–CAS12A Knockout Constructs of a Candidate Nucleotide-binding Leucine-rich Repeat (Nlr) Gene in Sheath Blight Resistance of Rice Treesean Bless B. Torres*, Ian Paul Navea, Nathaniel R. Alcantara, and Van Schepler-Luu
14:00–14:15	H-08	Identification of Candidate Genes Related to Neck Blast Resistant in <i>Oryza sativa</i> L. Mary Joyce Cocamas* and Jessica D. Rey
14:15–14:30		Certificate Awarding and Break
14:30–14:45	H-09	Identification of QTLs for Cold Tolerance at Reproductive Stage in Recombinant Inbred Lines of Basmati Rice Under Tropical Highlands Conditions in Kenya Rena Tomita*, Emily Gichuhi, Kazuyuki Doi, and Daigo Makihara
14:45–15:00	H-10	Pyramiding of Two Quantitative Trait Loci for Root Growth Angle And Stele Size Improves Shoot Biomass Production under Drought in Lowland Rice IR64 Momoha Iba*, C. Arloo Centeno, Yuka Kitomi, Mignon A. Natividad, Marinell R. Quintana, Kenji Irie, and Amelia Henry, and Yusaku Uga
15:00–15:15	H-11	Improving the Post-harvest Quality and Shelf-life of Lettuce: QTL to Candidate Genes and Markers Nico Lingga*, Gail Taylor, Annabelle Damerum, Richard Michelmore, Ivan Simko, and Aiwei Chu
15:15–15:30	H-12	Diallel Analysis of 12 Yellow Maize (<i>Zea mays</i> L.) Inbred Lines for Grain Yield, Agronomic Traits, and Waterlogging Tolerance Ariffin Siti Norfaroha*, Jaafar Juju Nakasha, Ghizan B. Saleh, Nazatul Shima Naharuddin, and Samsuri A. Wahid
15:30–15:45		Certificate Awarding and Break
15:45–16:00	H-13	Evaluation of Broad-sense Heritability in Agronomic Traits of Selected Maize Genotypes for Potential Local Hybrid Development Aira Janella L. Elec, Antonio G. Lalusin, Eureka Teresa M. Ocampo, and Tonette P. Laude*
16:00–16:15	H-14	Advancing Sustainable Agriculture: Economic and Pest Management Sustainability of Event 'EE-1'- Derived Eggplant Hybrids (<i>Solanum melongena</i> L.) Cultivation Ronel D. Roberto*, Lourdes D. Taylo, and Desiree M. Hautea
16:15–16:30	H-15	Comparative Transcriptomics and Co-expression Networks Reveal Tissue- and Genotype-specific Responses of Qdty to Reproductive-Stage Drought Stress in Rice (<i>Oryza sativa</i> L.) Jeshurun Asher Tarun* and Tobias Kretzschmar
16:30–16:45	H-16	Evaluating Grain Quality Parameters for the Selection of Advanced Rice Lines in Kenya MaryLiza Mukami*, Rena Tomita, Rosemary Murori, Parthiban Prakash, Daniel Menge, Tashiro Toru, Simon Njau Kariuki, Oliver Nyongesa, and Daigo Makihara
16:45–17:00		Certificate Awarding

🕒 15:45–16:45

*Presenter

9 November 2024 (Sat)

📍 First Floor Lobby, Building 1

- Agribusiness**
- PS-01 **Supply Chain of Rice in Barangay Tamontaka 1, Cotabato City**
Raihana A. Katutokan, Bai Zaharita S. Ambolodto, and Shajara Fatima M. Dimasingkil*
- PS-02 **The Role of Farm Restaurants in Promoting Rural Women's Social Participation: Case Studies from Chiba, Japan, and Shanghai, China**
Zhu Feiwen*, Katsumori Hatanaka, Nina N. Shimoguchi, Ramadhona Saville
- PS-03 **Socioeconomics and Smart Farming Adopting Indicators Among Glutinous Rice Farmers (GRF) in Langkawi Island, Malaysia**
Askiah Jamaluddin*, Zumilah Zainalaluddin, Hanina HS Hamsan, and Nur Afifah SJE Wardani
- Agricultural Extension**
- PS-04 **Exploring Gender Dynamics in Vegetable Farming: Implications for Inclusive Agricultural Extension in Misamis Oriental**
Nelda R. Gonzaga*, Laya Lou C. Montecalvo, Christine Lure A. Camiguing, and Apolinario B. Gonzaga Jr
- PS-05 **Songkhla Model: Organic Agricultural Innovation for Sustainability and Enhancing Farmer Potential in Southern Thailand**
Tewee Maneerat* and Pattamavadee Kunwanlee
- PS-06 **A Study of Satisfaction Towards Services and Learning Facilities on Study Trip in Agriculture and Environment for Inbound Participants, a Case Study of Kasetsart University, Kamphaeng Saen Campus**
Kanokwan Laoaroon* and Wiroon Jirakorn
- PS-07 **Bridging Agriculture Biotechnology: Communicating Insect-resistant Bt Eggplant Through Multi-stakeholder Approaches**
Joshua I. Ison*, Ian Bien M. Oloc-oloc, John Albert M. Caraan, Desiree M. Hautea, and Lourdes D. Taylo
- PS-08 **Developing the Holistic Agriculturist: a Study of the Importance of a Whole-brain Approach to TLE and TVVL-AFA Teaching**
Maorin Mari R. Santos*
- PS-09 **Contingent Effectiveness in Technology Transfer of Two Animal Feed Innovations in a Philippine State University's Public Research Institute**
Sophia M. Mercado*, Nelson Jose Vincent B. Querijero, and Aileen V. Lapitan
- Agronomy**
- PS-10 **Documentation and Utilization of Indigenous and Naturalized Food Crops in Selected Regions in the Philippines**
Norma G. Medina*, Veianne May B. Dote, Fernando C. Sanchez Jr, Maria Charito E. Balladares, Marco Rafael M. Espino, France Mae M. Sanchez, and John Bryan E. Lawas
- PS-11 **Nutrients Optimization for Large-scale Cyanobacterial Cultivation Toward Production of Phycobiliprotein Powder for Commercial Application as a Natural Colorant**
Kasinee Kula*, Sutthawan Supan and Wanthane Khetkorn
- PS-12 **Application of Dolomitic Lime and Zinc Enhanced Agronomic Productivity of Hybrid White Corn Under an Upland Oxisol**
Apolinario B. Gonzaga Jr.*, Nelda R. Gonzaga, Jamel B. Paradela, Rosalie B. Caibigan, April Mae T. Batuigas, Joana Rose M. Vergara, and Arvin Paul P. Tuaño
- PS-13 **Larvae of *Tenebrio molitor* L.-derived Chitosan as Biopolymer for Rice Seed Coating on Seed Quality**
Pattamavadee Kunwanlee*, Tewee Maneerat, and Kanokwan Plodjinda
- PS-14 **Quantification of Key Compounds in KDML 105 Rice Seeds Treated With Plasma-activated Water**
Phissanu Kaewtaphan*, Porramain Porjai, Salinthip Loibandit, and Kritsanarak Intanu
- PS-15 **Insecticide Use: Current Status and Insecticide Management in Vietnam**
Le Ngoc Anh*, Ho Thi Thu Giang, Nguyen Duc Khanh, and Pham Thi Hieu
- PS-16 **Productivity of Leafy Lettuce (*Lactuca sativa* L.cv. Green Span) Grown With Enhanced Growing Media Through the Addition of Varying Rates of Biochar**
Nelda R. Gonzaga, April Joseph Ruby M. Salvo, Apolinario B. Gonzaga Jr.*, Judy Mae L. Pabellon, and Judife N. Magallanes
- PS-17 **Root Plasticity of Selected Corn (*Zea mays* L.) Varieties in Response to Fertigro[®]-n and Urea**
Vanica L. Apostol*, Edna A. Aguilar, Lilia M. Fernando-Corpuz, Ma. Lourdes Edaño, Tonette P. Laude, and Eureka Teresa M. Ocampo
- PS-18 **Forage Grass-legume Polyculture Towards a Sustainable Future: Intercropping Napier Grass and Pakchong 1 With Mungbean and Soybean Improves Forage Yield and Agronomic Performance**
Paul Joshua C. Marquez*, Eureka Teresa M. Ocampo, Menandro M. Loresco, Ma. Lourdes S. Edaño, and Agapita J. Salces
- PS-19 **Effect of Nitrogen Fertilization and Planting Density on Grain Filling Characteristics and Yield of Near-Isogenic Lines of NERICA1 Introgressed with G_{n1a} and WFP**
Kokoro Kusumoto*, Risa Tamoi, Mayumi Kikuta, Rena Tomita, Kazuyuki Doi, and Daigo Makihara
- PS-20 **Verification of the Effects of Spent Mushroom Substrate Application on the Growth of Maize (*Zea mays* L.)**
Koki Nishikawa*, Hiroko Nakatsuka, Takashi Kanda, Rikuto Tamaki, Satoshi Nakamura, Koji Takabatake, and Hidehiko Kikuno
- Animal Husbandry**
- PS-21 **Comparative Analysis of Rumen Microbiomes in Japanese Black Cattle: Effects of Site and Fertility on Composition and Function**
Vincent Pamugas Reyes*, Yukihiko Umeda, Sho Nakamura, Shunsaku Nishiuchi, Lorena Ines Mestra Vargas, Jazmin Vanessa Perez Pazos, Diego Andres Medina Herrera, Andrea Milena Sierra Alarcón, Olga Lucia Mayorga Mogollón, Lorena Angelica Aguayo Ulloa, Jun Murase, and Satoshi Ohkura
- PS-22 **Estimation of Farm-to-farm Transmission Parameters of African Swine Fever Virus (ASFV) in the Philippines**
Ivan Joshua A. Castor* and Dj Darwin R. Bandoy
- PS-23 **Mhc-drb Polymorphism and Its Association to Gastrointestinal Parasite Burden of Crossbred Anglo-nubian Goats**
Anne-Nora N. Sabirin*, Jorge Michael D. Dominguez, Sharon Rose Tabugo, Nanette Hope Sumaya, Ethel Theresa Alvia, Carlo Stephen O. Moneva, and Kwan Suk Kim
- PS-24 **Efficiency of Fabricated Pest Control Pilotless Aircraft in Commercial Poultry and Livestock Farms in Oriental Mindoro**
Bryll Christian S. Mendoza* and Leizel L. Grantosa

🕒 15:45–16:45

*Presenter

9 November 2024 (Sat)

📍 First Floor Lobby, Building 1

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| Environmental Science | <p>PS-25 Bacterial Community Profiling and Isolation of Poly (Lactic Acid) (PLA) and Poly(Butylene Succinate) (PBS)- Degrading Bacteria From Coastal Samples
Ausawadee Phonlamai*, Wanthanee Khetkorn, Chatsuda Sakdapetsiri, Vichien Kitpreechavanich, and Thanasak Lomthong</p> <p>PS-26 Reduction of greenhouse gas emissions from tea field soil by applying coffee grounds
Nao Yamamoto*, Kunihiro Suzuki, and Mami Irie</p> <p>PS-27 Effect of Planting Density of Kenaf (<i>Hibiscus cannabinus</i> L.) Cultivation on the Carbon Fixed Amount and Possibility of the Carbon Storage
Sou Takasaki*, Katsuyoshi Shimizu, Toru Kobari, and Akimasa Habano</p> <p>PS-28 Growth status of <i>Lilium speciosum</i> Thunb., Liliaceae, in Natural Habitats of Koshiki Islands, Kagoshima Pref.
Koshi Hashiguchi*, Katsuyoshi Shimizu, Jinshi Terada, and Junko Miyamoto</p> |
| Fishery | <p>PS-29 Genetic Assessment of <i>Caranx</i> spp. in the Philippines
Brian S. Santos* and Shenna Kate M. Torres</p> <p>PS-30 Genetic Diversity of Captive-bred Giant Trevally, <i>Caranx ignobilis</i> (Forsskål, 1775): Insights From Mitochondrial DNA and Microsatellite Markers
Shenna Kate M. Torres*, Christopher M. Aquino, Maria Theresa M. Mutia, Janet L. Baral, Frederick B. Muyot, and Brian S. Santos</p> <p>PS-31 Innovative Microencapsulation Technology: an Effective Probiotic Delivery System to Enhance Sustainable Growth and Nutrient Digestibility in Tilapia
Nico G. Dumandan*, Ivan Duanne F. Arriola, Caren R. Tumaming, Joselito A. Tabardillo Jr., and Mark Anthony A. Badua</p> <p>PS-32 Enhancing the Aquaprobiotic Properties of <i>Bacillus clausii</i> Through Short-chain Fatty Acid Production by Manno-oligosaccharide Supplementation Derived From Fermented Agricultural Waste
Annie Cita T. Kagaoan*, Leo Joseph F. Labitag, and Nico G. Dumandan</p> <p>PS-33 Genetic Characterization of Milkfish <i>Chanos chanos</i> (Forsskål, 1775) Using Microsatellite Markers for Improved Broodstock Management
Jandeil B. Roperos*, Vonette Joi B. Padilla, Elisa M. Gutaba, Hiroaki Kurihara, Minoru Ikeda, Maria Rowena R. Romana-Eguia, and Brian S. Santos</p> |
| Food Science | <p>PS-34 Effect of Agriculture Production Systems on Nitrogen Metabolism and Vitamin C Accumulation of Leafy Vegetables and Herbs in Northern Vietnam
Nguyen Thi Thu Nga*, Nguyen Xuan Bac, Nguyen Thi Lien Minh, Naoki Terada, Atsushi Sanada, and Kaihei Koshio</p> <p>PS-35 Whole-genome Sequence Analysis and Probiotic Characteristics of Lactocaseibacillus Paracasei RM44 Isolated From Raw Milk in the Philippines
Maria Teresa M. Perez, Eula Francia M. Bosito*, Johanna A. Bangoy, Margarita A. Mercado, and Marilou A. Calapardo</p> <p>PS-36 Low-cost Alternative Medium Derived From Agro-wastes for Growth and Metabolite Production of Lactococcus Lactis Biotech 10612
Carina B. Gabriel, Jennifer D. Saguibo*, Rodney H. Perez, Myka Shem S. Brion, Rober Angelo R. Almazan, Adriel John C. Reyes, Jesha Faye T. Librea, and Bernadette C. Mendoza</p> <p>PS-37 Evaluating Freshness in Poultry: Integrating pH, Color, and Spectral Analysis for Non-destructive Quality Assessment
Alithea Q. Jumawan-Balitaan*, Michael Angelo S. Esteban, Floirendo P. Flores, Dennis V. Cantre, Deblu Sahu, Kunal Pal, and Lotis E. Mopera</p> <p>PS-38 Extending the shelf-life of fresh-cut iceberg lettuce under high CO2 MAP with high gas permeability film
Yusaku Yoshizawa*, Shuhei Saito, Mika Yoshida, and Tadashi Baba</p> <p>PS-39 Effects of Sucrose Fatty Acid Esters Coating and Modified Atmosphere Packages on the Storage under Low Temperature with Low Relative Humidity Conditions for Fruits of Jaboticaba (<i>Plinia cauliflora</i> (Mart.) Kausel)
Haruno Ito*, Takashi Shinohara, Kiyotaka Oho, Naoki Terada, Atsushi Sanada, and Kaihei Koshio</p> <p>PS-40 Physical, structural and chemical properties of the Chinese noodles surface during the early stages of boiling
Kota Ogawa*, Shota Koyama, Daiki Oka, and Yoshimasa Tsujii</p> |
| Forestry | <p>PS-41 DOST-PCAARRD's Initiatives in Enhancing Biodiversity Conservation and Sustainable Utilization for Promoting Food Security and Resilience
Christine D. Santiago*, John Benrich M. Zuniga, and Nimfa K. Torreta</p> <p>PS-42 Identification of Feeding Habits of Otters on Paddy Field in Perak, Malaysia
Shogo Murao*, Abdul-Latif Muhammad Abu Bakar, Sariyati Nur Hartini, Abdullah-Fauzi Nurfatih Akmal Fawwazah, Haris Hidayah, Othman Nursyuhada, Ramli Farah Farhana, Ilham-Norhakim Mohd Lokman, Hiroshi Sasaki, Badrul Munir Md-Zain, and Daisuke Waku</p> |

🕒 15:45–16:45

*Presenter

9 November 2024 (Sat)

📍 First Floor Lobby, Building 1

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| Plant
Breeding /
Genetics | <p>PS-43 Investigation of Recombination Frequency and Segregation Patterns in Rice Using IRGA427/CT5805 and Japonica 7/TW16//Japonica 7 Populations
Patricia Izabelle M. Lopez*, Sherry Lou Hechanova, Jose E. Hernandez, Tonette P. Laude, and Sung-Ryul Kim</p> <p>PS-44 Chloroplast Genome of <i>Berberis barandana</i> S. Vidal (Berberidaceae) From Mt. Tabayoc, Benguet, Philippines
Trixie D. Ramos, Nadine B. Coronado, Renerio P. Gentallan Jr., Kristine Joyce O. Quiñones, and Nonnatus S. Bautista*</p> <p>PS-45 Three New Hibiscus Varieties: a Tribute to Three Admirable Women
Arbert Em M. Sobreviñas, Catherine R. Patricio, Virma Rea G. Lee*, Mary Ann D. Maquilan, Jerome A. Javier, Agripina O. Rasco, and Maria Luisa D. Guevarra</p> <p>PS-46 Developing Specific Marker for Leaf Mustard (<i>Brassica juncea</i>) Identification
Tran Thi Ha Chau*, Kenji Irie, and Keisuke Tanaka</p> <p>PS-47 From DNA to Metabolites: Molecular Characterization of Flavor-associated Compounds in Philippine <i>Coffea liberica</i>
Daisy May C. Santos*, Miguel Mondragon, Rachele Ang, Elizabeth Rae Peralta, Dane Cyrus Casinillo, Nick Rainier Santos, Ralph Emerson Molino, Terrence Ferdinand Nagano, Monaliza Magat, Hiyas Junio, and Ernelea Cao</p> <p>PS-48 Epigenetic QTL Mapping for Salt Tolerance in Rice Var Hasawi
Evangeline Pasacual*, Kenneth McNally, and Changsoo Kim</p> <p>PS-49 High-efficiency Prime Editing Protocol Using Elite Indica Rice Variety and Direct-seeded Lines
Grace Angelique Magalit*, Christian Paolo Balahadia, Evans S. Lagudah, Van Schepler-Luu, Maria Genaleen Diaz, Ricky Milne, Katherine Dibley, Yvonne Ludwig, and Inez Slamet-Loedin</p> <p>PS-50 Genome resequencing of <i>Oryza rufipogon</i> L. Accession From Lake Napalit in Bukidnon, Philippines
Juan Rodrigo A. Vera Cruz*, Renerio P. Gentallan, Jr., Sancho G. Bon, Mark Ian C. Calayugan, Debrah Lily C. Lao, Jenalyn B. Imbat, Wendy A. Gaspar, Edelweiss E. Sajise, Katrina M. Bauan, Kristine Joyce O. Quiñones, and Teresita H. Boromeo</p> <p>PS-51 Candidate Genes Affecting High Tiller Number in Rice (<i>Oryza sativa</i>) Identified by QTL-SEQ
Nattiwong Pankasem, Thanyakorn Rongsawat*, Wanchana Aesomnuk, Jonaliza L. Siangliw, Meechai Siangliw, Theerayut Toojinda, Samart Wanchana, and Siwaret Arikit</p> <p>PS-52 Validation of SNP Markers Associated with Anthracnose (<i>Colletotrichum gloeosporioides</i>) Resistance in Mango (<i>Mangifera indica</i> L.)
Reniel Pamplona*, Andrea P. Cempron, John Edward L. Felipe, Reniel S. Pamplona, and Eureka Teresa M. Ocampo</p> <p>PS-53 Survey of Wild Rice Genetic Resources in Tanzania Lake Zone
Constantine Busungu* and Katsuyuki Ichitani</p> <p>PS-54 Exploring Low Nitrogen-Adapted Rice Lines: Field Performance of Longistaminata Chromosome Segment Introgressed Lines (LCSILs) under Varying Nitrogen Levels
Emmanuel Bayega*, Emily Gichuhi, Mayumi Kikuta, Rena Tomita, and Daigo Makihara</p> <p>PS-55 Genetic Diversity in <i>Capsicum</i> genus and its Application in Quality Improvement through Interspecific Crosses
Claudia F. Ortega Morales*, Kenji Irie, and Makoto Kawase</p> |
| Plant
Physiology | <p>PS-56 Species-specific Annotation of Flavone Biosynthetic Genes in Solanaceae
Carla Lenore F. Calumpang*, Shinichiro Komaki, Takafumi Shimizu, Mutsumi Watanabe, and Takayuki Tohge</p> <p>PS-57 Root Development of <i>Aglaonema commutatum</i> 'red Lipstick' Cuttings Propagated in Soil and Water
Maria Charito E. Balladares*, Nerissa O. Cedillo, and John Bryan E. Lawas</p> <p>PS-58 Relating Aboveground and Belowground Competition Using FTIR
Mignon A. Natividad*, Marinell R. Quintana, Virender Kumar, Waseem Hussain, and Amelia Henry</p> <p>PS-59 Multilocation Evaluation of Heat Stress Responses of Rice Breeding Lines
Marjorie de Ocampo*, Challa Venkateshwarulu, Jaswanth Konijerla, Parthiban Thathapalli Prakash, Suresh Kadaru, and Amelia Henry</p> <p>PS-60 Use of Plant Growth Regulators to Induce Tolerance, Promote Growth, and Enhance Fruiting Quality of Chili Pepper (<i>Capsicum frutescens</i>) in Waterlogged Condition
Nathalie Angel Benipayo*, Eureka Teresa M. Ocampo, Josefina T. Dizon, Melquiades, and Emmanuel C. Reyes</p> <p>PS-61 Determining Genetic and Morphological Variation in Different Azolla Species for Future Utilization in Mitigating Environmental Degradation
Jezza Maye E. Baldonado, Kyla Andrea G. Mendoza, Archie N. Ventura, Leovi Andrei E. Mendoza, Nervy C. Santiago, and Eureka Teresa M. Ocampo*</p> <p>PS-62 Measurement of Leaf Polyphenol Content to Evaluate Cold Tolerance in Bananas
Yoshiki Ono*, Ryan Rodrigo P. Tayobong, Naoki Terada, Atsushi Sanada, and Kaihei Koshio</p> <p>PS-63 Fruit Quality Characteristics of Ever-bearing Jaboticaba cultivar 'Savara' Harvested at Different Seasons
Akari Takano*, Eri Maai, Rie Miyaura, and Takashi Shinohara</p> <p>PS-64 Effects of Seed Priming on Early Rice Growth Under Chilling Stress
Yui Nishihama* and Mayumi Kikuta</p> <p>PS-65 Seasonal Variation in Fruit Quality of Tankan (<i>Citrus tankan</i> Hayata) Cultured under a Plastic Roof
Ayumi Uehara*, Kazuma Kiyokawa, Motoki Fukazawa, and Shinichi Asada</p> <p>PS-66 Nitrogen Use Efficiency and Leaching in Rooting Systems of IR64 (<i>Oryza sativa</i> L.) and near-isogenic line DRO1-IR64 in direct seeding
Kazuya Hirata*, Mami Irie, and Kenji Irie</p> |

🕒 15:45–16:45

*Presenter

9 November 2024 (Sat)

📍 First Floor Lobby, Building 1

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| Plant Protection | <p>PS-67 In Vitro Evaluation of Actinobacteria as Potential Biocontrol Agent Against <i>Fusarium oxysporum</i> f.sp. Cubense
Alyssa M. de Castro*, Maria Elyn N. Magpantay, and Irene A. Papa</p> <p>PS-68 A Potential Pheromone Lure for Field Trapping of the Fall Armyworm (FAW), <i>Spodoptera frugiperda</i> (JE SMITH) and its Influence on Non-target Captures in General Santos City, Philippines
Enoch Joshua V. Antonio*, John Julius P. Manuben, Gideon Aries S. Burgonio, Randolph N. Candano, and Arra Gaylon</p> <p>PS-69 Selection of Suitable Reference Gene for Gene Expression Studies in Maize–downy Mildew Pathosystem
Benjamine William P. Cordez*, Edward Cedrick J. Fernandez, Jen Daine L. Nocum, Anand Noel C. Manohar, Roanne R. Gardoce, Fe M. Dela Cueva, and Darlon V. Lantican</p> <p>PS-70 Efficacy and Mode of Action of Actinobacteria Against the Deadly Panama Wilt in Cavendish Banana Areas in Asuncion, Davao Del Norte, Philippines
Irene A. Papa*, Emil C. Lat, Maria Elyn N. Magpantay, and Alyssa M. De Castro</p> <p>PS-71 Potential of Tissue Culture–derived Roots of Aloe Vera as a Biofungicide Against Leaf Spot of Chili (<i>Capsicum</i> spp.)
Bernadette T. Rapiz* and Eufrocino DC. Marfori</p> <p>PS-72 Detection of Rice Tungro Disease Using Reflectance Data
Jean Rochielle Mirandilla*, Megumi Yamashita, Mitsunori Yoshimura, and Enrico Paringit</p> <p>PS-73 Occurrence, Distribution and Characterization of Sweet Potato Feathery Mottle Virus (SPFMV) Infecting Sweet Potato (<i>Ipomoea batatas</i> L.) in Leyte and Southern Leyte Provinces
Pee Jee V. Jareño* and Robelyn T. Piamonte</p> <p>PS-74 Genetic and AvrRppC Diversity of <i>Puccinia polysora</i> in Luzon, Philippines
Benjamine William P. Cordez, Fe M. dela Cueva, Cris Q. Cortaga, Rizalina L. Tiongco*, Junmin Liang, and Lei Cai</p> <p>PS-75 Control of Fusarium wilt of strawberry by microorganisms isolated from organic matter derived from livestock waste
Azuki Yamada*, Koichi Shimada, and Mami Irie</p> <p>PS-76 Effect of Concentration and Amount of the Suicide Germination Stimulant Sphinolactone-7 (SPL7) on the Germination of <i>Striga hermonthica</i> Under Soil Culture Conditions
Mayumi Kikuta*, Akira Morikawa, Yuichiro Tsuchiya, Emily Gichuhi, and Daigo Makihara</p> |
| Soil Science | <p>PS-77 Utilization of Tannery Waste Mixing With Micronutrients as a Foliar Fertilizer for Enhance Growth and Yield of Maize
Sintapanin Achrika* and Thongjoo Chaisit</p> <p>PS-78 Effect of Organic Fertilizer Developed From Sewage Sludge on Growth and Yield of Sugarcane
Srikan Nuengruethai* and Chaisit Thongjoo</p> <p>PS-79 The Comparison of Carbon Reduction Potential From Paddy Soil That Contained <i>A. microphylla</i> and <i>A. pinnata</i> in Soil Incubation Experiment
Pongpet Pongsivapai*, Tawatchai Inboonchuay, Nuengruethai Srikan, Achrika Sintapanin, and Chaisit Thongjoo</p> |