

生物生産学部・統合生命科学研究科 国際シンポジウム

International Symposium

on the UN's Sustainable Development Goals

日時: 2026年9月10日(木) 13:00 – 16:20

場所: 生物生産学部棟 C201 (ポスター発表14:30-15:20 会場C203)

国連の持続可能な開発目標 (The UN's Sustainable Development Goals; SDGs)は相互に関連する17のゴールからなり、2030年までの達成が求められています。

私たち統合生命科学研究科・生物生産学部は少なくともこれら半分のゴールを直接カバーする、包括的な研究・教育を行っています。

このシンポジウムにおいては、環境～生物多様性～生物資源の生産～食品科学の幅広い分野を網羅する6つのセッションを通して、協定大学等から招いた研究者が研究成果や自国の実情を発表します。

これらの発表を通して、持続可能な開発目標を達成し、真に持続的であり平和的な世界を構築するための包括的な解決方法やブレークスルーを議論したいと考えています。

Program

13:00 開会のあいさつ

13:10 Session1 : Mr. Lhumen A. Tejano
(University of the Philippines Visayas)

13:30 Session2 : Dr. Angelo C. Macario
(Zamboanga State College of
Marine Sciences and Technology)

13:50 Session3 : Dr. Nur Athiqah Binti Md Yusof
(Universiti Sultan Zainal Abidin)

14:10 Session4 : Dr. Manuel D. Gacutan Jr
(Visayas State University)

14:30 招へい学生・広島大学生によるポスター発表

15:20 Session5 : Dr. Fikri Ardhani
(Mulawarman University)

15:40 Session6 : 富永 淳 准教授
(Hiroshima University)

16:00 総括

◆このシンポジウムは、統合生命科学研究科共同セミナーの単位になります。

主 催: 広島大学生物生産学部・大学院統合生命科学研究科
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HIROSHIMA UNIVERSITY

Program

Opening Message by the Dean
13:00

Session 1
13:10 – 13:30

“Seafood-on-the-Spot (SOS): Revolutionizing Emergency Seafood Products in the Philippines”

Mr. Lhumen A. Tejano (University of the Philippines Visayas/ Philippines)

Chair Dr. CAIGOY Jant Cres Cainglet (Hiroshima University)



Session 2
13:30 – 13:50

“Advancing Sustainable Capture Fisheries: Integrating Science, Innovation, and Governance from the Philippines and Japan”

Dr. Angelo C. Macario (Zamboanga State College of Marine Sciences and Technology/ Philippines)

Chair Dr. TOMIYAMA Takeshi (Hiroshima University)



Session 3
13:50 – 14:10

“Nature’s Water Detectives: How Aquatic Insects Reveal River Health”

Dr. Nur Athiqah Binti Md Yusof (Universiti Sultan Zainal Abidin/ Malaysia)

Chair Dr. WAKABAYASHI Kaori (Hiroshima University)



Session 4
14:10 – 14:30

“AI-Powered Detection of Feed Adulteration for Sustainable Livestock Production”

Dr. Manuel D. Gacutan Jr (Visayas State University / Philippines)

Chair Dr. INABU Yudai (Hiroshima University)



14:30 – 15:20 Poster presentations by Invited Students and HU Students

Session 5
15:20 – 15:40

“Reproductive Biotechnology in Nunukan Chicken: Artificial Insemination as a Tool for Genetic Conservation and Sustainable Dissemination to Farmers”

Dr. Fikri Ardhani (Mulawarman University / Indonesia)

Chair Dr. NISHIBORI Masahide (Hiroshima University)



Session 6
15:40 – 16:00

“Plant Wearables for Continuous Monitoring of Leaf Gas Exchange”

Dr. TOMINAGA Jun (Hiroshima University)

Chair Dr. SUZUKI Takuya (Hiroshima University)



Concluding Remarks
16:00 -16:20

Poster Presentations by HU Students

September 10, 2026 (Thur.) 14:30-15:20

Venue : C203

	" Title "	Presenters Name	
1	"Formation mechanism of lipid whisker crystals for development of oleogels with controllable physical properties"	Fumiya Nakano	
2	"Hepatic gender difference in choline and one carbon metabolism during fasting"	Edeh Abigael Taiwo	
3	"The Effect of Hydrophobic Additives on the Physical Properties of O/W Nano-Colloidal Dispersion"	Nuha Mufida	
4	"Comparison of the Behavior of Cocoa Butter Substitute (CBS) Based on Differences in Composition"	Maho Sato	
5	"Direct Observation of the Crystallization Process of Cocoa Butter Using a Transmission Electron Microscope (TEM)"	Rito Nakamura	
6	"Population Genetic Study of Borneo Native Chickens"	Putri Sausan Azzahra Alindra	 
7	"Effect of Hydrogenated Starch Hydrolysates on the Appearance, Water Content, and Mechanical Property Changes of Frozen Wheat Flour Dough"	Yuri Nishikawa	 
8	"Guar Gum Fiber Enhances Intestinal Reg3 Expression via TLR2–IL-22–STAT3 Signaling in Mice"	Cláudia Domingos Mapure Siueia	
9	"Age-Related Changes in Intestinal Mucosal Barrier Function in Laying Hens During the Mid to Late Production Stages"	Ai Kuroda	   
10	"Effects of Intramammary Osmotic Pressure on Milk and Antimicrobial Substance Production"	Donghyeon Kang	   

Poster Presentations by Participating Summer School Students

September 10, 2026 (Thur.) 14:30-15:20

Venue : C203

	" Title "	Presenters Name (University Name)	
1	"Isolation and Preliminary Characterization of Biosurfactant-Producing Bacteria from Fermented Sardines, <i>Sardinella</i> spp."	Sofi Andrea Iaiel O. Sambalod (University of the Philippines Visayas)	  
2	"Detection of Extended-Spectrum β -Lactamase and Integron Genes in Antimicrobial Resistant Gram-Negative Bacteria Isolated from Tilapia"	Elijah G. Valencia (University of the Philippines Visayas)	    
3	"In Vitro Antibacterial Activity of Methanolic Extracts from <i>Phyllanthus urinaria</i> and <i>Combretum quadrangulare</i> Against Multidrug-Resistant Bacterial Pathogens Associated with Striped Catfish (<i>Pangasianodon hypophthalmus</i>)"	Yra Jem G. Manguramas (Zamboanga State College of Marine Sciences and Technology)	   
4	"Evaluation of <i>Trichanthera gigantea</i> Leaf Meal as an Alternative Protein Source for African Catfish (<i>Clarias gariepinus</i>) Fry"	Sherrah Mae A. Pinote (Zamboanga State College of Marine Sciences and Technology)	  
5	"Hematology and Blood Biochemistry Profile of River Terrapin (<i>Batagur affinis</i>) and Painted Terrapin (<i>Batagur borneoensis</i>) in Kuala Berang Wildlife Conservation Centre, Terengganu Malaysia"	Aliya Dallina Binti Zaini (Universiti Sultan Zainal Abidin)	  
6	"The Effect of Salinity and pH on the Growth of Sea Grape"	Muhamad Zulfadli Bin Muhamad Sidid (Universiti Sultan Zainal Abidin)	  
7	"Vulnerability of Energy Feedstuff to Red Flour Beetle (<i>Tribolium castaneum</i> Herbst, 1797) Infestation: The Role of Feed Source and Physical Form"	Shea S. Jong (Visayas State University)	 
8	"Use of Insects and Its Derivatives as Animal Feeds"	Aaron Clarence A. Camacho (Visayas State University)	   
9	"Egg Weight and Shape Index as Predictors of Offspring Sex Ratio in Nunukan Chicken (<i>Gallus gallus domesticus</i>)"	Tsabita Fakhira, Jasmine Azzahara (Mulawarman University)	 