

2024



統合生命科学研究科・生物生産学部 国際シンポジウム

International Symposium

on the UN's Sustainable Development Goals

日時: 2023年9月14日 (木) 13:00 – 16:30

場所: ミライクリエ 2F大会議室
(ポスター発表14:10-15:10 ミライクリエ1F)

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 : Dr. Fika Yuliza Purba
(Hasanuddin University)
- 13:30 Session2 : Dr. Ching Fui Fui
(Malaysia Sabah University)
- 13:50 Session3 : Dr. John King N. Layos
(Capiz State University)
- 14:10 招へい学生・広島大学生によるポスター発表
- 15:10 Session4 : Dr. Alvin Monotilla
(University of San Carlos)
- 15:30 Session5 : Dr. Sameh Abdel-Fattah M.Abdel-Salam
(Cairo University)
- 15:50 Session6 : 新居 隆浩
(広島大学大学院統合生命科学研究科)
- 16:10 総合討論

◆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：広島大学大学院統合生命科学研究科・生物生産学部
お問い合わせ：大学院統合生命科学研究科 鈴木 卓弥
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HIROSHIMA UNIVERSITY

この活動は、国立研究開発法人科学技術振興機構の2023年度国際青少年サイエンス交流事業 (さくらサイエンスプログラム)の支援を受けて実施しています。

Poster Presentations

by HU Students

14 September, 2023 (Thu) 14:10-15:10

	" Title " Presenters Name
1	"High temperature tolerance of <i>Chironomus sulfurosus</i> and its molecular mechanisms " Pamela Afi Tettey
2	" Prevalence and genetic variability of multidrug-resistant <i>Escherichia coli</i> isolated from meat sources in Japan." Xedzro Christian
3	" Psyllium upregulates antimicrobial Reg3 β peptide via Piezo1/STAT3 signaling pathway in the small intestine of mice " Dina Mustika Rini
4	" One Biofilm Approach for Food Safety " Jant Cres Caigoy
5	" Effect of intramammary lipopolysaccharide challenge after repeated intrauterine infusion of lipopolysaccharide on the inflammation status of goat mammary glands " Jirapat Jaisue
6	" Effects of temperature and moisture content on the caking of amorphous carbohydrate powders " Anantawittayanon Sukritta
7	" Roles of homocarnosine in hyperactivity-, anxiety-, and depression-like behaviors and effects of brain homocarnosine by prebiotic supplementation " Braga Jason Dumaguing
8	" Functional analysis of skeletal muscle-specific GDE5-deficient mouse – Crosstalk of choline metabolism and other metabolisms in skeletal muscle " Rahmawati Aisyah
9	" Protective effects of D- β -hydroxybutyrate on diabetic nephropathy and myopathy in mice " MIYATA Kenshu

Poster Presentations

by participating Summer School students

14 September, 2023 (Thu) 14:10-15:10

	" Title " Presenters Name (University Name)
1	" Optimization of ultrasound assisted extraction of tomato jellyfish collagen and its physicochemical properties " Thyviaah Ananthan (Malaysia Sabah University)
2	" Efficacy of the Leaves of a Mangrove Plant <i>Sonneratia ovata</i> Against Marine Parasitic Leech in Aquaculture " Fadlin Ammar Bin Pariamiskal (Malaysia Sabah University)
3	" Muricata Leaves: The Substitute of Broad Spectrum Antiparasitic Drugs " Lyvia Angeline Ciputra (Universitas Hasanuddin)
4	" Fermentation of red seaweed <i>Halymenia durvillei</i> By Associated Epiphytic <i>Bacillus</i> species and Determination of its bioactive. " Francis Reuben Paul A. Padayao (University of San Carlos)
5	" Induction of receptacles from tertiary leaves and vesicles of brown alga <i>Sargassum ilicifolium</i> C. Agardh in the Philippines " Erika Therese Dela Torre (University of San Carlos)
6	" Sustainable Protein Sources as a Way for Zero Hunger and Climate Action. " Nourel Din Reda Mohamed Morsy (Cairo University)
7	" Take urgent action to combat climate change and its impacts " Hedaya Medhat Moustafa Mohamed (Cairo University)

2024



International Symposium

on the UN's Sustainable Development Goals

Date: September 14, 2023 (Thur.)
13:00 – 16:30

Venue: MIRAI CREA 2FLargeConferenceRoom
(Poster Presentation 14:10-15:10 1F Hall)

The UN's Sustainable Development Goals (SDGs) consist of 17 interdependent goals that are expected to be achieved by 2030. We at the Graduate School of Integrated Sciences for Life and School of Applied Biological Science have conducted comprehensive research and education which are directly involved in at least half of the goals (No Poverty, Zero Hunger, Good Health and Well-being, Clean Water, Responsible Consumption and Production, Climate Action, Life Below Water, Life of Land). In this symposium, through a total of 6 sessions covering the environment ~ biological diversity ~ bio-resource production ~ food sciences, researchers from our partner universities will deliver their research outcomes or country reports. At the end, we are going to discuss how we could elaborate comprehensive solutions or breakthroughs to help achieve the UN's SDGs, to pursue a sustainable and peaceful world through our researches.

Program

- 13:00** Opening Message by the Dean
- 13:10** Session1 : Dr. Fika Yuliza Purba
(Hasanuddin University)
- 13:30** Session2 : Dr. Ching Fui Fui
(Malaysia Sabah University)
- 13:50** Session3 : Dr. John King N. Layos
(Capiz State University)
- 14:10** Poster presentations by Invited Students and
Hiroshima University Students
- 15:10** Session4 : Dr. Alvin Monotilla
(University of San Carlos)
- 15:30** Session5 : Dr. Sameh Abdel-Fattah M.Abdel-Salam
(Cairo University)
- 15:50** Session6 : Dr. Nii Takahiro
(Hiroshima University)
- 16:10** General Discussion

◆ This symposium is counted for students as a Science Seminar [Kyodo Seminar].

Hosted by the Graduate School of Integrated Sciences for Life,
the School of Applied Biological Science, Hiroshima University
Contact: Takuya Suzuki (Graduate School of Integrated Sciences for Life)
Tel: 082(424)7984 / E-mail: takuya@hiroshima-u.ac.jp



HIROSHIMA UNIVERSITY

This activity is being carried out with the support of the 2023 International Youth Science Exchange Program (Sakura Science Program) of the Japan Science and Technology Agency.

Program

13:00 Opening Message by the Vice Dean

13:10 Session 1



**" Foot and Mouth Disease in Smallholder Farming Systems
: A Case Study in Indonesia "**

Dr. Fika Yuliza Purba (Hasanuddin University / Indonesia)

Chair Dr. KATO Aki (Hiroshima University / Japan)

13:30 Session 2



" Fostering Sustainable Aquaculture: A Catalyst for Achieving the SDGs "

Dr. Ching Fui Fui (Malaysia Sabah University / Malaysia)

Chair Dr. OHTSUKA Susumu (Hiroshima University)

13:50 Session 3



**" Southeast Asia as one of the centers of pig domestication
: a perspective based on mitochondrial DNA "**

Dr. John King N. Layos (Capiz State University / Philippines)

Chair Dr. Cyrill John Prima Godinez (Visayas State University / Philippines)

15:10 Session 4



" Green Seaweed *Ulva* spp. production in the Philippines "

Dr. Alvin Monotilla (University of San Carlos / Philippines)

Chair Dr. KATO Aki (Hiroshima University)

15:30 Session 5



" Integrated farming system toward achieving SDGs "

Dr. Sameh Abdel-Fattah M. Abdel-Salam (Cairo University / Egypt)

Chair Dr. OBITSU Taketo (Hiroshima University)

15:50 Session 6



" New Potential Uses of Probiotics in laying Hens "

Dr. Nii Takahiro (Hiroshima University)

16:10 General Discussion

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