

October 25-27, 2023 | NISU Victorino Salcedo Sara Campus

DR. LAURA BRITT-FERMO/DR. ROEL SURALTA

Emcees/Moderators

9:45 AM **Health Innovations: Benefiting Filipino Communities** **DR. JAIME MONTOYA**
Executive Director, DOST-PCHRD and President, National Academy of Science and Technology (NAST)

10:15 AM **AM SNACKS**

10:30 AM **Bull fertility as an important factor in livestock production** **DR. DANILDA DURAN**
Scientist II and Senior Agriculturist, Department of Agriculture—Philippine Carabao Center

11:00 AM **Carrageenan plant growth promoter** **DR. LUCILLE V. ABAD**
Scientist, Philippine Nuclear Research Institute (PNRI)

11:30 AM **Current status, challenges and innovations in tilapia aquaculture industry** **DR. KARL MARX QUIAZON**
Professor, Central Luzon State University (CLSU)

11:30 AM—12:00 NN **OPEN FORUM**

LUNCH BREAK

1:30 PM **IRDC participants' oral presentations** **ATTENDEES FROM THE ACADEME, RESEARCH INSTITUTIONS WITH ACCEPTED ABSTRACTS**

PM SNACKS

3:00 PM-4:00 PM **Judging for the Best Poster Presentation (student participants)**

4:00 PM-5:00 PM **Closing and Awarding Ceremonies (best oral and poster presentations)** **DR. LAURA BRITT-FERMO**
Vice President, JAAP
Principal, Researcher/Director Research Academy, Bangko Sentral ng Pilipinas

DINNER (courtesy of DOST)

Day 3 | October 27, 2023

8:00 AM-3:00 PM **Field Trip (Gigantes Island)** **DR. FERNAN P. TUPAS**
Professor, Northern Iloilo State University (NISU)

ACKNOWLEDGMENT

The **JSPS Alumni Association of the Philippines (JAAP)** wishes to express its heartfelt thanks to JSPS – Bangkok, and the Department of Science and Technology for providing financial support to enable the successful conduct of this significant event. Our appreciation goes out as well to the Keynote and Plenary Speakers, NISU-VSC Campus for hosting the conference, presenters, participants, NISU faculty and staff, organizing committees, and all who contributed to the resounding success of the 5th IRDC.

*Salutations to the men and women of JAAP
To God be all the Glory!*

NORTHERN ILOILO STATE UNIVERSITY VICTORINO SALCEDO CAMPUS



JAAP
JSPS Alumni Association of the Philippines, Inc.



5th

INTERNATIONAL RESEARCH and DEVELOPMENT CONFERENCE

THEME:

**MOVING FORWARD WITH SCIENCE AND TECHNOLOGY INNOVATIONS
FOR SUSTAINABLE SOCIO-ECONOMIC DEVELOPMENT**

**OCTOBER 25-27, 2023
NISU VICTORINO SALCEDO CAMPUS**

This serves as an invitation

October 25-27, 2023 | NISU Victorino Salcedo Sara Campus

DR. LAURA BRITT-FERMO/DR. ROEL SURALTA
Emcees/Moderators

Day 1 | October 25, 2023

| | | |
|-----------|--|---|
| 8:00-9:30 | OPENING PROGRAM | |
| 8:00 AM | Registration, Setting up for Poster Exhibit | |
| 8:30 AM | Invocation | NISU PERFORMING ARTS |
| | National Anthem | NISU PERFORMING ARTS |
| | Opening Remarks | DR. MARIA ROWENA R. EGUIA President, JSPS Alumni Association of the Philippines (JAAP); Associate Professorial Lecturer, De La Salle University; Scientist(ret), SEAFDEC Aquaculture Department |
| | Presentation of Participants | DR. LAURA BRITT-FERMO Vice President, JAAP Principal, Researcher/Director Research Academy, Bangko Sentral ng Pilipinas |
| | Welcome Remarks | DR. BOBBY D. GERARDO President, Northern Iloilo State University (NISU) |
| | Video Presentations (JAAP, NISU, JSPS) | |
| | Message | DR. LEAH BUENDIA Undersecretary for Research and Development, Department of Science and Technology (DOST) |
| | | DR. YOSHIO OTANI Director, Japan Society for the Promotion of Science (JSPS) Bangkok |
| | Keynote Address | DR. RENATO SOLIDUM JR. Secretary, Department of Science and Technology (DOST) |
| | AM SNACKS | |

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PLENARY PRESENTATIONS

| | | |
|-------------------|--|---|
| 9:30 AM | Enhancing Marine Biodiversity in the Context of Creative Outputs for Sustainable Community Outreach Program | DR. FERNAN P. TUPAS Professor, Northern Iloilo State University (NISU) |
| 10:00 AM | Community Empowerment through Mushroom Production | DR. SOFRONIO KALAW Professor, Central Luzon State University (CLSU) |
| 10:30 AM | Sustainable systems intensification for increasing production in irrigated lowland rice | DR. ROEL SURALTA Scientist III, Philippine Rice Research Institute (PHILRICE) |
| 11:00 AM | Mangrove Crab Nursery: a ready to adopt technology | DR. FE DOLORES ESTEPA Consultant, Integrated Services for the Development of Aquaculture, Inc. and Scientist(ret), SEAFDEC Aquaculture Department |
| 11:00 AM | Community-based Research; Experiences in the Philippines | DR. SUSAN GALLARDO University Fellow, Full Professor (ret), De La Salle University |
| 11:30 AM—12:00 NN | OPEN FORUM | |
| | LUNCH BREAK | |
| 1:30 PM—5:00 PM | IRDC participants' oral presentations | ATTENDEES FROM THE ACADEME, RESEARCH INSTITUTIONS WITH ACCEPTED ABSTRACTS |
| 5:00 PM—6:00 PM | POSTER VIEWING | |
| 7:00 PM | WELCOME DINNER | |

Day 2 | October 26, 2023

PLENARY PRESENTATIONS

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|---------|--|---|
| 8:30 AM | Introduction of Japanese Guest Speaker | DR. ROEL SURALTA (emcee/moderator) Scientist III, Philippine Rice Research Institute (PHILRICE) |
| 8:45 AM | Tips for International Research Collaboration with Japan: A Japanese Researcher's Perspective | DR. KOZO WATANABE Full Professor, Ehime University, Japan |
| 9:15 AM | What are the drivers of sustainable regional economic development? | DR. LAURA BRITT-FERMO Vice President, JAAP Principal, Researcher/Director Research Academy, Bangko Sentral ng Pilipinas |