



THE UNIVERSITY OF
SHIGA PREFECTURE

4TH UST-USP SYMPOSIUM

Book of Abstracts



March 4-5, 2021 | University of Santo Tomas, Manila Philippines |
University of Shiga Japan Prefecture, Hikone Japaan

Schedule of Events



4th UST-USP Joint Symposium (Day 1)

Schedule in Philippine time (+8 UTC) | March 4, Thursday

8:00 – 8:30 Opening Ceremonies

Opening Remarks	<u>Yoshimasa KURASHIGE, PhD</u> <i>Vice-President, Educational Affairs</i> <i>University of Shiga Prefecture</i>
Welcome Address	<u>Rey Donne PAPA, PhD</u> <i>Dean, College of Science</i> <i>University of Santo Tomas</i>

8:30 – 10:30 Morning Invited Lectures

Moderator: Jonathan Carlo A. Briones, PhD

COVID-19 Research

- 8:30 – 8:45 Rev. Nicanor AUSTRIACO, OP, PhD, STD *University of Santo Tomas (Philippines) & Providence College (USA)*
co-presenters: Dean Lotus ALANO and April Anne UY
UST-CoVAX: Combating COVID-19 Vaccine Hesitancy in the Philippines with a Science-Based Public Awareness Information Campaign
- 8:45 – 9:00 Allan Patrick MACABEO, PhD *University of Santo Tomas (Philippines)*
Promiscuous binding of myxobacterial depsipeptide chondramides on the receptor binding domains of SARS-CoV-2 spike protein: A promising deal for anti-COVID-19 drug discovery
- 9:00 – 9:15 open forum and Q&A

Forest & Agriculture Education

- 9:15 – 9:30 Takuya TAKAHASHI, PhD *University of Shiga Prefecture (Japan)*
Fieldwork goes online: A case of "Wood and Life"
- 9:30 – 9:45 Emiko HARADA, PhD *University of Shiga Prefecture (Japan)*
Establishment of remote training course on cultivation
- 9:45 – 10:00 open forum and Q&A

Linguistics Research

- 10:00 – 10:15 Wennielyn FAJILAN, PhD
Challenges and opportunities in interdisciplinary research during the pandemic: an overview of the students' reflections on language research for contextualized communication in Filipino at the University of Santo Tomas
- 10:15 – 10:30 open forum and Q&A



add (+) 1 hour for Japan time
subtract (-) 1 hour for Indonesia (Jakarta) & Viet Nam time

Schedule of Events



4th UST-USP Joint Symposium (DAY 1)

Schedule in Philippine time (+8 UTC) | March 4, Thursday

12:45 – 14:45 Afternoon Invited Lectures

Moderator: Nikki Heherson Dagamac, Dr. rer. nat.

12:45 – 13:00 *ice breaker activity*

Science Education in the New Normal

13:00 – 13:15 Louie DASAS, PhD *University of Santo Tomas (Philippines)*
Are they 'really' learning? Harnessing the power of formative assessments in Science classrooms during COVID19

13:15 – 13:30 Ali NURMANSYAH, PhD *IPB University (Indonesia)*
Maintaining Connection: Schooling in New Normal

13:30 – 13:45 open forum and Q&A

Aquatic Ecology Research & Education

13:45 – 14:00 Misako URABE, PhD *University of Shiga Prefecture (Japan)*
An example of remote field lecture of environmental science for 1st-year students of the USP

14:00 – 14:15 Elfritzson PERALTA, MSc *University of Santo Tomas (Philippines)*
e-REC gears towards understanding and managing socio-ecological health of watersheds in the Philippines—A DPSIR approach

14:15 – 14:30 open forum and Q&A

14:30 – 14:45 Wrap-up of Joint Symposium Day 1



add (+) 1 hour for Japan time

Schedule of Events



4th UST-USP Joint Symposium (DAY 2)

Schedule in Philippine time (+8 UTC) | March 5, Friday

8:00 – 8:30 Opening of Poster Presentations

Opening Remarks

Richard Thomas B. Pavia, PhD

*Chairperson, Department of Biological Sciences
University of Santo Tomas*

Poster viewing and Q&A

8:30 – 11:00 Morning Interactive Poster Session

Moderator: Gerald Thomas SOLIVEN, PhD (cand)

	8:30 – 9:00	<u>posters 1 – 5</u>
	9:00 – 9:15	open forum and Q&A
Welcome to Lake Biwa!		
	9:15 – 9:45	<u>posters 6 – 10</u>
	9:45 – 10:00	open forum and Q&A
Targeting COVID-19	10:00 – 10:30	<u>posters 11 – 13</u>
	10:30 – 10:45	open forum and Q&A

12:45 – 15:00 Afternoon Interactive Poster Session

Moderator: Dino Tordesillas, PhD

	12:45 – 13:00	<i>ice breaker activity</i>
Contaminants in Water	13:00 – 13:30	<u>posters 14 – 18</u>
	13:30 – 13:45	open forum and Q&A
Technology and Natural Products	13:45 – 14:15	<u>posters 19 - 23</u>
	14:15 – 14:30	open forum and Q&A
Symbiotic Relationships	14:30 – 14:45	<u>posters 24 – 28</u>
	14:45 – 15:00	open forum and Q&A

15:00 – 15:15 Closing Ceremonies



*add (+) 1 hour for Japan time
subtract (-) 1 hour for Indonesia (Jakarta) & Viet Nam time*

List of Accepted Interactive Poster Abstracts

4th UST-USP Joint Symposium List of Accepted Interactive Poster Abstracts

Poster No.	Presenter Name	Title Excerpt
1	Shinya NAGAYAMA	The introduction of Lake Biwa
2	Hayato WAKUDA	Indigenous and introduced fauna in Lake Biwa
3	Keisuke OKUI	Native species of Lake Biwa
4	HARADA, Emiko	Production and characterization of freshwater pearls in Lake Biwa
5	Tadashi HAYASHI	Lake basin governance case study of Akanoi Bay basin, Lake Biwa
6	Miho MASAKI	Social movements for Lake Biwa and human well-being
7	Taiga ISHIHARA	Controlling an invasive aquatic plant toward the protection of Lake Biwa
8	Rie NAKAZAWA	Impact of typhoon and torrential rain around Lake-Biwa
9	Takuya TAKAHASHI	Forest-related subjective well-being case study in upper Yasu River watershed
10	Mendel ALAGAO	A review paper on freshwater gobies in Asia
11	Bernhard EGWOLF	The UST CoV-2 model for the COVID-19 pandemic in Metro Manila
12	Von Novi DE LEON	Directing anti-HIV reverse transcriptase scaffolds as inhibitors of SARS-CoV-2
13	Dominic CUYUGAN Cleinne Florence FERMO Raphael Willard MOSQUITO	Nationwide Online Survey on COVID-19 Vaccine Hesitancy in the Philippines
14	HO Hong Quyen	Separation and recovery of phosphorus from aqueous solution
15	Keisuke OKUI	Epiphytic bacteria and synchrotron radiation-based characterization of Mn
16	Jeremy NAZARETH	Microplastic concentration across various edible organisms
17	Nick John SOLAR	Physicochemical, microbiological, and Lead assessment of Magapa-Suage river
18	Rie NAKAZAWA	Mechanism of ultra-fine bubble (UFB) in retaining freshness of cut flowers
19	Ma. Alicia AGUINALDO	Antitubercular essential oils from selected Philippine plants
20	Delfin Ynigo IV PILAPIL	Anti-cancer and anti-neurodegenerative properties of a Philippine endemic plant
21	Joe Anthony MANZANO	Anti-infective alkaloids from a Philippine medicinal plant: a natural product prospect
23	Vania DELA CRUZ	Design of an Inverter-based Sigma-delta Modulator for a Wearable Device
24	Shinya NAGAYAMA	Does a myrmecochorous plant avoid the seed predation by disperser ant?
25	Russell Evan VENTURINA	Leech parasitism on the Mindanao foot-flagging frog
26	Karin TSUCHIDA	Hemiuroidean trematodes parasitizing freshwater fishes in Argentinean Patagonia
27	Arvin Jet MARCAIDA	Phylogeography of a frog nematode in Honshu and Kyushu, Japan
28	Kenneth Xavier SANCHEZ	Parasite assemblages of frogs of Luzon Island