

# The 3rd UST-USP Joint Symposium

Joint Symposium between

the University of Santo Tomas (UST), in Manila, Philippines &

the University of Shiga Prefecture (USP), in Hikone, Shiga, Japan

**Date: December 15th (Fri), 2017**

**Place: A4-205 & 206 in USP**

**13:10 Yoshitsugu Hirokawa (President, USP)**

Opening address

**Session 1: Biodiversity of freshwater ecosystem: description and diversification mechanism (Chair: Misako Urabe, USP)**

**13:15 L01 Jonathan Carlo A. Briones (UST)**

A snapshot of historical research trends in fish parasitology in the Philippines: identifying strengths and gaps help move us forward

**13:30 L02 Nina Rose G. Palmares, Alyssa Mae R. Portes, Shena Kyle A. Santos, John Kenneth M. Uy, Jonathan Carlo A. Briones (UST)**

Biodiversity assessment of marine fish parasites in Lamon Bay, Quezon, Philippine

**13:45 L03 Janelle Laura J. Gacad, Jonathan Carlo A. Briones (UST)**

A descriptive identification of the helminth and bacteria in the gut of *Glossogobius aureus* from Lake Sampaloc, Philippines

**14:00 L04 Shigeko Kimura, Yurie Ohtake, Takehito Yoshida, Takashi Yoshida, Yoshihiko Sako, Hajime Ootsuki, Jotaro Urabe, Kazuyoshi Yamada and Shoko Tanabe (USP/Kyoto University)**

Changes in the composition and diversity of cyanobacterial communities revealed by sedimentary DNA in Lake Fukami-ike

**Session 2: Ecological dynamics of parasitic and freshwater organisms (Chair: Syuhei Ban, USP)**

**14:25 L05 Gerald Thomas A. Soliven, Leonila Corpuz-Raros, Arvin C. Diesmos (UST)**

The dynamics of acarine ectoparasitism on Philippine lizards

**14:40 L06 Yoshihiko Kadowaki, Misako Urabe (USP)**

Productivity of trematode cercaria in freshwater ecosystem

**14:55 L07 Peixue Song, Rong Yi, Shoko Tanabe, Syuhei Ban (USP)**

Seasonal variation of microbial components including zoospore fungi in Lake Biwa with special reference on relationship between fungal zoospores and microbial components

**15:10 L08 Kohei Yoshiyama (USP)**

Optimal cell size for resource uptake in fluids: a new facet of resource competition

**Session 3: Human impact and ecosystem management (Chair: Masahiro Maruo, USP)**

**15:35 L09 Md. Rasheduzzaman and Masahiro Maruo (USP)**

Determination of dissolved and particulate thiols in Lake Biwa water and extracted fulvic acid by HPLC-Fluorescence Detection with SPE

**15:50 L10 Shinya Hieda, Naohiko Noma (USP)**

Pollination and germination ecology of an invasive aquatic plant, *Ludwigia grandiflora* subsp. *hexapetala* in Lake Biwa

**16:05 L11 Rey Donne S. Papa (UST)**

From the Neotropics to the Tropics: Studies on the invasion of the freshwater calanoid copepod *Arctodiaptomus dorsalis* in the Philippines

**16:25 Shinji Ide (Dean of School of Environmental Sciences, USP)**

Certificates presentation (oral presenters)/Closing address

**16:40 - 17:30 Poster session (P01 – P19)**

**18:00 - 20:00 Welcome Party** Certificates presentation (poster presenters)

Symposium Chair: Misako Urabe ([urabe@ses.usp.ac.jp](mailto:urabe@ses.usp.ac.jp), USP)

Secretariat: Emiko Harada ([harada.e@ses.usp.ac.jp](mailto:harada.e@ses.usp.ac.jp), USP)

# Poster list

## P01 Naoko Hirayama (USP)

Impacts of participating measures for reduction of alien fishes in Lake Biwa

## P02 Takuya Takahashi, Ikujiro Wakai, Ken Takeshita (USP)

Attitude of local residents towards nature restoration at Nishinoko lagoon, Japan: How local governance may work?

## P03 Milette U. Mendoza, Jonathan Carlo A. Briones, Rey Donne S. Papa (UST)

Accounts on the ecology and management of small tropical maar lakes (Seven lakes of San Pablo, Philippines) with notes on future research directions

## P04 Xin Liu, Syuhei Ban, Michinobu Kuwae, Delphine Beyrend, Gaël Dur, Wataru Makino and Jotaro Urabe (USP)

Abundance, hatching success and viability of post-embryonic development in resting eggs of *Eodiaptomus japonicus* (Copepoda: Calanoida) collected from bottom sediment in Lake Biwa (Japan)

## P05 Qian Jun, Liu Jianqun, Shi Yanfei, Li Hongwu (USP/Hainan University)

Transplantation of coral reef base under the quicksand circumstances on the seabed

## P06 Misako Urabe (USP)

Biodiversity of parasites in Lake Biwa

## P07 Tomoki Nishihira, Misako Urabe (USP)

Reexamination of the species classification of *Eudiplozoon nipponicum* (Monogenea, Diplozoidae) infected to both *Cyprinus carpio* and *Carassius* spp.

## P08 Princess Azalea S. Alameda, Jose Constantino R. Damasco Jr., Rhea Abbygale S. Lagasca, Erriele Joy G. Navarro,

Arman N. Pili, Assist. Prof. Mae Lowe L. Diesmos, M.Sc. (UST)

Invasive amphibians: An ecological threat to the Ilocos Norte amphibian fauna

## P09 Dhana May P. Apo, Nerbin M. Ayuste, Kristina Mae M. de Castro, Patricia Nichole K. Supelana, Arman N. Pili,

Assist. Prof. Mae Lowe L. Diesmos, M.Sc. (UST)

The mottled bawler: Analysis of the diet and habitat utilization of the Luzon limestone-forest frog (*Platymantis biala*)

## P10 Kosuke Nakanishi, Atsushi Honma, Mariko Furukawa, Koh-Ichi Takakura, Nobuyuki Fujii, Kiyohito Morii,

Yuki Terasawa, Takayoshi Nishida (USP)

Exclusive distribution of the two congeneric pond frogs, *Pelophylax nigromaculatus* and *P. porosus brevipodus*, in rice field area around Lake Biwa

## P11 Lovelle Joi P. Austria, Kim Bernadette R. Borromeo, Ana Francesca S. Valderrama, David M. Yun,

Mae Lowe L. Diesmos, Msc. (UST)

Ectoparasite Specificity on *Draco spilopterus*

## P12 Tomoki Hisaoka, Sujiono, Hiroichi Sawada, Koh-Ichi Takakura, Takayoshi Nishida (USP)

Potential for reproductive interference in the field between *Bactrocera dorsalis* and *B. Carambolae*, notorious pests of fruits in Southeast Asia

## P13 Daisuque Kitano, Nobuyuki Fujii, Sujiono, Shigemasa Yamanoue, Tasuku Kitamura, Atsushi Honma, Morio Tsukada,

Takayoshi Nishida, Hiroichi Sawada, Koh-Ichi Takakura (USP)

Asymmetric reproductive interference can cause host plant partitioning in two oriental fruit flies

## P14 Mariko Furukawa, Kosuke Nakanishi, Koh-Ichi Takakura, Atsushi Honma, Takayoshi Nishida (USP)

Why does slug moth make different types of cocoons of variable markings?

## P15 Satoshi Matsumura, Hisato Minagawa, Naoki Hata, Emiko Harada, Takahiro Yasuda, Ryo Kurimoto (USP)

Effect of zeta potential of microbubbles on growth of Japanese mustard spinach (*Brassica rapa* var. *perviridis*) in soilless culture system

## P16 Megumi Otsuka, Saya Nakagawa, Yasuo Iimura, Emiko Harada (USP)

Characterization of Zn/Cd hyperaccumulator *Arabidopsis halleri* ssp. *gemmifera* growing in calcareous soil

## P17 Haruna Numata, Natsumi Ono, Hiroshi Miyamura, Naohiko Noma, Kenji Iwama, Emiko Harada (USP)

Heavy metal adaptation and vegetation of an endangered plant, *Arabidopsis kamchatica* ssp. *kawakiana*

## P18 Donna May D. C. Papa, John Donnie A. Ramos, Rey Donne S. Papa

*Aeromonas hydrophila* phages from Lake Taal as therapeutic agents for the treatment of infection in *Oreochromis niloticus* (Nile Tilapia)

## P19 Shota Mitsukawa, Tsuyoshi Akiyama, Takeo Oku

Fabrication and photocatalytic properties of titanium oxide thin-film encapsulating gold nanoparticle