

# **International Seminar on One Health Towards Mosquito-Borne Disease Control and Antimicrobial Resistance**

LaMer

Country: Japan and Bangladesh

Organizing Institutions: Ehime University, Japan and University

of Dhaka, Bangladesh Dated: 27th January, 2022

9:30-15:10 Bangladesh standard time (BST) 12:30-18:10 Japan standard time (JST)



Commencement: 9:30 - 9: 35 (BST)/ 12:30 -12:35 (JST)



Introductory talk: 9:35- 9:50 (BST)/ 12:35 -12:50 (JST) Professor Kozo Watanabe Center for Marine Environmental Studies (CMES), Ehime University, Japan

## **Two Session**

## Session 1. Mosquito-borne disease study

10:10- 10:30 (BST)/ 13:10 -13:30 (JST)



9:50- 10:10 (BST)/ 12:50 -13:10 (JST) 21 years of dengue outbreaks in Bangladesh. Dr. Mohammad Sorowar HOSSAIN Executive Director, Biomedical Research Foundation (BRF), Bangladesh, and Associate Professor, Dept of Environmental Science and Management, Independent University, Bangladesh



Spatio-Temporal and Numerical Data Resolution Affect the Performance of Machine Learning in Dengue Forecast. A Case Study in Metropolitan Manila, Philippines. Micanaldo E. FRANCISCO M2 student, Molecular Ecology and Health laboratory (MecoH), Ehime University, Japan



10:30- 10:50 (BST)/ 13:30 -13:50 (JST) Viral DNA forms of cell fusing agent virus (CFAV) are produced in Aedes aegypti mosquito cell lines Mohammad Mosleh UDDIN Research student, Molecular Ecology and Health laboraotry (MecoH), Ehime University, Japan



10:50- 11:10 (BST)/ 13:50 -14:10 (JST) Insecticide resistance status and future insecticide choices for vector control strategies in Bangladesh. Dr. Ashekul ISLAM

Assistant Professor, Department of Biochemistry and Molecular Biology, Mawlana Bhashani Science and Technology University, Bangladesh



Population genomics of dengue mosquito Aedes aegypti from fine-spatial scale Metropolitan Manila Philippines Atikah Fitria MUHARROMAH DI student, Molecular Ecology and Health laboraotory (MecoH), Ehime University, Japan

# 11:10-11:30 (BST)/14:10-14:30 (JST)

# General Discussion: 11:30-12:00 (BST)/ 14:30 -15:00 (JST)

# Lunch Break: 12:00-13:00 (BST)

## Session 2. Antimicrobial Resistance (AMR) study

13:00- 13:20 (BST)/ 16:00 -16:20 (JST) Circulation risk of antibiotic resistance genes via water environment Prof Satoru SUZUKI

Laboratory of Marine Molecular Ecology (MME), Ehime University,



13:20-13:40 (BST)/16:20 -16:40 (JST)

Contamination of antibiotics in finfish and shellfish aquaculture of Bangladesh: assessment of ecological, resistance and human health risk. Dr. Anwar HOSSAIN,

Associate Professor, Department of Fisheries, Faculty of Biological Sciences, University of Dhaka, Bangladesh.



13:40- 14:00 (BST)/ 16:40 -17:00 (JST) Application of wastewater-based epidemiology (WBE) for ARB Prof Toru WATANABE Department of Food, Life & Environmental Sciences Faculty of Agriculture, Yamagata University



14:00- 14:20 (BST)/ 17:00 -17:20 (JST)

Prevalence of efflux pump genes and their correlations with antibiotic resistance in the clinical isolates of Staphylococcus aureus bacteria. Tanjina Akter SUMA

M. Pharm Student, Department of Clinical Pharmacy and Pharmacology, Faculty of Pharmacy, University of Dhaka, Bangladesh.



14:20- 14:40 (BST)/ 17:20 -17:40 (JST) Bacterial diversity and antibiotic resistant bacteria in finfish aquaculture of Bangladesh Abdul Kuddus APU,

B. Pharm Student, Faculty of Pharmacy, University of Dhaka, Bangladesh.

General Discussion: 14:40-15:10 (BST)/17:40-18:10 (JST)

#### Sponsored Bu

JSPS Core-to-Core Program B. Asia -Africa Science Platforms **Ecological Approaches to Mosquito-borne Disease Control** 

> Please visit https://kwlabjspscoretocore.weebly.com/



https://us02web.zoom.us/ij/9853519232?pwd=QnFza2JHZm9MYmM5cHJMS0Q1NWRvQT09

Meeting ID: 985 351 9232 Passcode: admA0507