

AJI International Workshop

Perspectives of Wastewater Treatment
Technology for Sustainable Pig Farming:

Comparison of Problem Structures in China, Japan, and Vietnam

13:30-13:40  **Welcome Speech** Prof. Yasushi Kosugi
Director, Asia-Japan Research Institute, Ritsumeikan University

Session  1 Moderator **Nguyen Thi Thuong**

Presentation 1 **13:40-14:05**

**Insights into the Removal of Pollutants
by Various Treatment Technologies from
Swine Wastewater in China**

Rongxuan Wang
Senior Researcher, Asia-Japan Research
Institute, Ritsumeikan University

Presentation 2 **14:05-14:30**

**Optimization of Substrate-Plant Combinations in
Horizontal Subsurface Flow Constructed
Wetlands and Their Microbial Responses:
Enhancement of Livestock Wastewater Treatment
and Greenhouse Gas Emission Reduction**

Dan A.
Associate Professor, Zhongkai University of
Agriculture and Engineering, China

Presentation 3 **14:30-14:55**

**Challenges of Veterinary Antibiotic
Pollution from Swine Farms and
Possible Wastewater Treatment Options**

Obey Gotore
Senior Researcher, Akita Prefectural
University, Japan

Presentation 4 **14:55-15:20**

**Current Status and Issues in the
Treatment of Swine Wastewater in
Japan -Towards the Development of an
Innovative Nitrogen Removal Process
Using Anammox**

Chikako Ishimoto
Senior Researcher, Shizuoka Prefectural Research Institute of
Animal Industry Swine & Poultry Research Center, Japan

15:20-15:40  **Break**

August 3, Saturday, 2024, 13:30-17:30 (JST)
Venue: Online Language: English



Registration
<https://tinyurl.com/ya34x54a>



Session  2 Moderator **Rongxuan Wang**

Presentation 5 **15:40-16:05**

**Challenges of Recycling Swine
Wastewater in Vietnam to
Approach a Circular Economy**

Nguyen Thi Huong Giang
Senior Lecturer, Vietnam National University
of Agriculture, Vietnam

Presentation 6 **16:05-16:30**


**Achieving Carbon Neutrality through
Anaerobic Digestion: A Study on
Biogas Production from Swine
Wastewater and Grass Silage**

Ramesprabu Ramaraj
Associate Professor, Maejo University, Thailand

Presentation 7 **16:30-16:55**

**Swine Wastewater Treatment
Management in Vietnam: A
Sustainable Approach Using
Constructed Wetlands**

Nguyen Thi Thuong
Senior Researcher, Asia-Japan Research
Institute, Ritsumeikan University

 **16:55-17:20
Discussion**

 **Closing Remarks**

Prof. Satoshi Soda
College of Science and Engineering,
Ritsumeikan University



Organized by: **Asia-Japan Research Institute (AJI), Ritsumeikan University, Japan**

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