

AJI International Workshop

New Challenges in Constructed Wetlands for Sustainable Wastewater Treatment: Intensification Strategies Based on Asian Experiences



July 16, Sunday, 2023, 14:00-18:30 (JST)

Venue: Online Language: English



Registration

<https://tinyurl.com/25shk6ty>



Organized by:

Asia-Japan Research Institute (AJI), Ritsumeikan University, Japan

<https://en.ritsume.ac.jp/research/aji/> Contact: aji-con@st.ritsume.ac.jp

14:00 - 14:15  Welcome Speech

Prof. Yasushi Kosugi
Director, Asia-Japan Research Institute, Ritsumeikan University

Session 1

Moderator
Nguyen Thi Thuong

Presentation 1

14:15 - 14:40



Antibiotic Removal and Microbial Response Mechanism in Constructed Wetlands Treating Aquaculture Wastewater Containing Veterinary Drugs

Dan A

Associate Professor,
Zhongkai University of Agriculture and Engineering, China

Presentation 2

14:40 - 15:05



Shallow-Bed Constructed Wetland System: A Promising Innovative Nature-Based Solution Towards Circular and Resilient Cities

Vo Thi Dieu Hien

Vice Dean, Faculty of Environmental and Food Engineering,
Nguyen Tat Thanh University, Vietnam

Presentation 3

15:05 - 15:30



Design and Performance Assessment of Subsurface Constructed Wetlands for Pollutant Removal

Saurabh Singh

Assistant Professor, Swami Keshvanand Institute of
Technology, Management and Gramothan, India

Presentation 4

15:30 - 15:55



Towards Multifaceted Mitigation of Climate Change Impacts: Ensuring Sustainable Treatment Solutions with Constructed Wetlands

Nehreen Majed

Professor, University of Asia Pacific, Bangladesh

15:55 - 16:15  Break

Session 2

Moderator
Dan A

Presentation 5

16:15 - 16:40



Constructed Wetlands Planted with Iris for Mine Drainage Treatment: Effects of Domestic Wastewater-Feeding on Removal of Multiple Heavy Metals

Nguyen Thi Thuong

Senior Researcher, Asia-Japan Research Institute,
Ritsumeikan University

Presentation 6

16:40 - 17:05



The Applications and Performances of Biochar in Constructed Wetlands for Sustainable Wastewater Treatment

Obey Gotore

Research Fellow, Akita Prefectural University, Japan

Presentation 7

17:05 - 17:30



'Constructed Wetlands' – An Environmentally Friendly Approach to Treating Wastewater: A Review

Dissanayaka Mudiyansele Shiromi
Himalika Dissanayaka

Associate Professor, Department of Agricultural Engineering and Soil Science,
Rajarata University of Sri Lanka, Sri Lanka

Presentation 8

17:30 - 17:55



Novel Advanced Porous Concrete in Constructed Wetlands: Preparation, Characterization and Application in Urban Storm Runoff Treatment

Tang Van Tai

Lecturer, Faculty of Safety Engineering, School of Engineering and
Technology, Van Lang University, Vietnam

17:55 - 18:15  Discussion

18:15 - 18:30  Closing Remarks

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