

The AGRO'2025 Pre-Workshop in Japan

Organizers:

- 1) Japan Society on Water Environment (Committee on Water and Biomass Circulation Technology Related to Agricultural Industry)
- 2) Kyoto University-Tsinghua University Joint Research and Education Center for Environmental Technology
- 3) Research Project of Innovative Circular Resource System Engineering, Kyoto University

Date and time:

September 17, 2024, 13:00-17:15

Venue:

Kyoto University, Katsura Campus C Cluster, Jinyu Hall

Aims of the workshop:

Wastewater and waste management in agriculture and agricultural industry is an important issue worldwide from the perspective of managing nutrients and chemicals. In preparation for the international conference IWA 12th International Symposium on Waste Management Problems in Agro-Industries (AGRO'2025: held in Istanbul, Turkey), we will invite Prof. Dr. Işık Kabdaşlı of Istanbul Technical University, who is the chair of AGRO'2025, with the support of the Japan Society on Water Environment, and holds the AGRO'2025 Pre-Workshop in Japan. Also, we invite keynote speakers from Tsinghua University, Tel-Aviv University, Tokyo University of Agriculture and Technology, and organize general session. We would like to facilitate knowledge exchange on wastewater and waste management in the global agricultural industry.

Workshop dinner:

Workshop dinner on September 17 is under preparation. Detailed information will be provided to the participants directly.

Technical Tour:

Technical tour on September 18 is under preparation. Detailed information will be provided to the participants directly.

Program:

13:00-13:10: Opening address

13:10-15:10: Keynote speech

1. **Prof. Dr. Işık Kabdaşlı** (Istanbul Technical University): *Nutrient recovery and removal from wastewaters originating from agro industries and yellow water (stream segregated human urine) by struvite precipitation*
2. **Prof. Dr. Akihiko Terada** (Tokyo University of Agriculture and Technology): *Exploring Microaerophilic Bioprocesses for Ammonia Retention and Recovery in High-Strength Nitrogenous Wastewater: Proof-of-Concept and Process Enhancement*
3. **Prof. Hadas Mamane** (Tel-Aviv University) *From Waste to Wonder - Ozone-Based Combined Process for Treating Organic Waste*
4. **Professor Yuntao Guan** (Tsinghua Shenzhen International Graduate School): *Agricultural waste biomass recycling and utilization for agricultural non-point source pollution control*

15:10-15:30: Coffee break

15:30-17:10: General session

1. **Prof. Dr. Hideaki Nagare** (Okayama University): *Ozone treatment to achieve dominant culture of a microalga *Haematococcus lacustris* in wastewater for sustainable phosphorous recovery*
2. **Associate Prof. Jiang Xiao-Qian** (Sun Yat-Sen University): *Combination of magnesium modified biochar and iron oxides down-regulates phosphates transport in porous media, online*
3. **Associate Prof. Daisuke Inoue** (Osaka University): *Development of a method to enrich polyhydroxyalkanoates-accumulating bacteria from waste activated sludge very efficiently toward economically-feasible and sustainable bioplastic production*
4. **Associate Prof. Taira Hidaka** (Kyoto University): *Research and development of methane fermentation technology related to agro-industries in Japan*
5. **Dr. Xinyi Zhou** (Kyoto University): *Evaluation of nitrous oxide emission during ammonia retention from simulated industrial wastewater by microaerobic activated sludge process*

17:10-17:15: Closing address

Application Form:

Please apply for participation using the form below.

<https://forms.gle/MwpQXSNAZdp16Wvu8>

Deadline of application

Workshop: September 15

Workshop Dinner: September 3

Technical Tour: September 3

Contact:

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