

# The 9th Kyoto University - Mahidol University On-site Laboratory Workshop



February 20 (Fri), 21 (Sat) 2026

20 (Fri) > Mahidol University **Kanchanaburi** / **Phaya Thai** Campus + Online

21 (Sat) > Mahidol University **Salaya** Campus + Online

The Workshop is open for everyone to join.  
Please register on the website below by February 14.

<https://forms.gle/FsMekWy4x6EtwEYi6>



February 20 (Fri)

ICT (Thailand Time) / JST (Japan Standard Time)

## Parallel Research Sessions 1

9:00 –16:30	Agriculture and Ecosystem ( <b>Kanchanaburi</b> Campus)
11:00 –18:30	
8:00 –17:30	Public Health ( <b>Phaya Thai</b> Campus)
10:00 –19:30	

## Parallel Research Session

Room 1: Agriculture and Ecosystem (**Kanchanaburi** Campus + Online)

Coordinators: Watcharra Chintakovid (Mahidol Univ.) and Hirokazu Higuchi (Kyoto Univ.)

8:30 –9:00	Registration
10:30 –11:00	
9:00 –9:30	Opening Ceremony and Welcome Remarks
11:00 –11:30	
9:30 –10:30	Discussion on Research Directions Aligned with University's Strategic Plan
11:30 –12:30	
10:30 –10:45	Break
12:30 –12:45	
10:45 –12:00	Discussion on Building International Research Networks
12:45 –14:00	
12:00 –13:00	Lunch
14:00 –15:00	
13:00 –14:30	Visit to Research Laboratories and Areas within Kanchanaburi Campus
15:00 –16:30	
14:30 –14:45	Break
16:30 –16:45	
14:45 –16:00	Summary of Guidelines for Applying for Joint Research Funding
16:45 –18:00	
16:00 –16:30	Closing Ceremony and Group Photo
18:00 –18:30	

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## Parallel Research Session

Room 2: Public Health (**Phaya Thai** Campus\* + Online) \*Surin Ostanukroa Meeting Room, 2nd Floor, Satharanasookwisit Bldg.

Coordinators: **Orawan Kaewboonchoo** (Mahidol Univ.) and **Ayako Kohno** (Kyoto Univ.)

8:00 –13:00	<b>Site visit to Samut Sakhon Hospital and the migrant worker community</b>	
10:00 –15:00		
13:00 –15:00	<b>Lunch and return to Bangkok</b>	
15:00 –17:00		
15:30 –17:30	<b>Opening Remarks</b>	Kwanjai Amnatsatsue (Faculty of Public Health, Mahidol Univ.)
17:30 –19:30	<b>Visitor's Remarks</b>	Ayako Kohno (School of Public Health, Kyoto Univ.)
15:30 –17:30	<b>Oral Presentation Session</b>	<b>Chair:</b> Kwanjai Amnatsatsue (Mahidol Univ.)
17:30 –19:30		
15:30 –15:40	<b>O1: Overview of Current Policies and Healthcare Practices for Migrant Health in Japan</b>	Ayako Kohno (Kyoto Univ.)
17:30 –17:40		
15:40 –15:50	<b>O2: Health Care Challenging for Elderly Migrant Workers in Thailand: Practical Point of View from Health Care Personnel</b>	Wilaipun Somboontanont (Mahidol Univ.)
17:40 –17:50		
15:50 –16:00	<b>O3: Elderly Care in an Aging Japan: Facility-Level Perspectives and Policy Initiatives</b>	Mayumi Toyama (Kyoto Univ.)
17:50 –18:00		
16:00 –16:10	<b>O4: Development of an Employment Policy for Retired Nurses in Occupational Health Roles in Thailand</b>	Wonpen Kaewpan (Mahidol Univ.)
18:00 –18:10		
16:10 –16:20	<b>O5: A Project for Evaluating the Effectiveness of Cultural Prescribing on Health</b>	Hiroshi Habu (Kyoto Univ.)
18:10 –18:20		
16:20 –16:30	<b>O6: Mortality and Its Economic Burdens of PM2.5 and No2 in Thailand</b>	Arthit Phosri (Mahidol Univ.)
18:20 –18:30		
16:30 –16:40	<b>O7: Association between Daily Life Impairment Due to Menstrual and Menopausal Symptoms and Workplace Health Support for Women in Japan: A Cross-Sectional Study</b>	Yuka Takagi (Kyoto Univ.)
18:30 –18:40		
16:40 –16:50	<b>O8: AI-Enhanced Mobile Chest X-Ray Screening to Improve Service Quality and Diagnostic Timeliness in Tuberculosis Care: A Real-World Implementation Study in Bangkok</b>	Lalita Kaewwilai (Mahidol Univ.)
18:40 –18:50		
16:50 –17:00	<b>O9: Airport Baggage Handlers and Musculoskeletal Disorder</b>	Trin Thipsut (Mahidol Univ.)
18:50 –19:00		
17:00 –17:20	<b>Q &amp; A</b>	
19:00 –19:20		
17:20 –17:30	<b>Closing Remark</b>	Shinya Echigo (GSGES, Kyoto Univ.)
19:20 –19:30	<b>Group photo</b>	

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## Parallel Research Sessions 2

10:00 –12:00	<b>Environmental Engineering (Salaya Campus)</b>
12:00 –14:00	<b>Chemical Engineering (Salaya Campus)</b>

## Parallel Research Session

Room 1: Environmental Engineering

Coordinators: Trakarn Prapasongsa (Mahidol Univ.) and Fumitake Nishimura (Kyoto Univ.)

10:00 –10:02	<b>Opening Remark</b>	Fumitake Nishimura (Kyoto Univ.)
12:00 –12:02		
10:02 –10:13	<b>Value Chain Transformation for Ocean Plastic Management (VALOR)</b>	Trakarn Prapasongsa (Mahidol Univ.)
12:02 –12:13		
10:13 –10:24	<b>Distribution and Change of Antibiotic Resistance Rate of <i>E. coli</i> in Wastewater: Comparison between Influent and Effluent across Wastewater Treatment Plants</b>	Saiji Uyo (Kyoto Univ.)
12:13 –12:24		
10:24 –10:35	<b>River Flow Prediction of The Downstream Tha Thung Na Dam Using a coupled ANFIS Model and Hydraulic Behavior Simulation</b>	Thida Win (Mahidol Univ.)
12:24 –12:35		
10:35 –10:46	<b>The regeneration of used zero valent iron using syngas derived from the CO<sub>2</sub>/steam gasification of digested sludge biochar</b>	Gyeongsoo Kim (Kyoto Univ.)
12:35 –12:46		
10:46 –10:57	<b>Nutrient Neutralization and Carbon Capture for Canal Water Treatment through Continuous Cultivation of <i>Azolla Microphylla</i></b>	Aye Myint Thu (Mahidol Univ.)
12:46 –12:57		
10:57 –11:08	<b>Double Degree Student Experience at GSGES, Kyoto University</b>	Kyaw Soe Lin (Double Degree Student, Kyoto Univ. and Mahidol Univ.)
12:57 –13:08		
11:08 –11:19	<b>Hydraulic Behavior Analysis of Flood Events and Discharge-Based Flood Frequency Using HEC-RAS: Yom River, Sukhothai Province</b>	Thet Htar Swe (Mahidol Univ.)
13:08 –13:19		
11:19 –11:30	<b>Development of improvement scenarios on water supply and wastewater management in Southeast Asia</b>	Ko Sugiura (Kyoto Univ.)
13:19 –13:30		
11:30 –11:41	<b>Assessment of Sustainable Cities Using Spatial Analysis: A Case Study of Central Region, Thailand</b>	Suwinai Daoloy (Mahidol Univ.)
13:30 –13:41		
11:41 –11:58	<b>Discussions about Research Collaboration</b>	Trakarn Prapasongsa (Mahidol Univ.) and Fumitake Nishimura (Kyoto Univ.)
13:41 –13:58		
11:58 –12:00	<b>Closing Remark</b>	Trakarn Prapasongsa (Mahidol Univ.)
13:58 –14:00		

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## Parallel Research Session

Room 2: Chemical Engineering

Coordinators: Pornchai Bumroongsri (Mahidol Univ.) and Noriaki Sano (Kyoto Univ.)

**10:00 –10:30** Discussion about Chemical Engineering Symposium for Mahidol-Kyoto collaboration,  
**12:00 –12:30** and double degree program

**10:00 –10:10** **PET-Derived Carbon Quantum Dots/Black TiO<sub>2</sub> Composites for Enhanced**  
**12:00 –12:10** **Photocatalytic CO<sub>2</sub> Reduction** Somchate Wasantwisut (Mahidol Univ.)

**10:10 –10:20** **Role of Surfactants in Polypyrrole Polymerization and Structure–Property**  
**12:10 –12:20** **Relationships** Thaneeya Samwang (Mahidol Univ.)

**10:20 –10:30** **Microstructural Engineering of Meat Analogs through Controlled Freezing**  
**12:20 –12:30** Ratchanon Chantanuson (Mahidol Univ.)

**10:30 –12:00** Discussion about research collaborations  
**12:30 –14:00**

## Plenary session

**13:00 –13:20** **Greetings from Organizers** Yasuyuki Kono (Vice-President, Kyoto Univ.),  
**15:00 –15:20** Izuru Saizen (Vice-Dean, Kyoto Univ.),  
Pattaraporn Posoknistakul (Deputy Dean, Mahidol Univ.)

**13:30 –13:50** **Group Photo Shooting**  
**15:30 –15:50** **Report from Environmental Engineering** Trakarn Prapaspongsa (Mahidol Univ.) and Fumitake Nishimura (Kyoto Univ.)

**13:50 –14:10** **Report from Agriculture and Ecosystem** Watcharra Chintakovid (Mahidol Univ.) and Hirokazu Higuchi (Kyoto Univ.)

**14:10 –14:30** **Report from Public Health** Orawan Kaewboonchoo (Mahidol Univ.) and Ayako Kohno (Kyoto Univ.)

**16:10 –16:30** **Report from Chemical Engineering** Pornchai Bumroongsri (Mahidol Univ.) and Noriaki Sano (Kyoto Univ.)

## Closing Session

**14:50 –15:10** **Plenary Discussion** Pattaraporn Posoknistakul (Deputy Dean, Mahidol Univ.),  
**16:50 –17:10** **Closing Remarks** Chihiro Tanaka (Dean, Kyoto Univ.)

## Registration Information

The Workshop is open for everyone to join. Please register on the website below **by Feb 14**.  
We will provide detailed information on how to participate in the workshop later (Zoom Link, etc.).

▶▶ Registration Website: <https://forms.gle/FsMekWy4x6EtwEYi6> ◀◀



Organized by: Kyoto University and Mahidol University  
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