



Minutes of International Joint Research  
between  
Kasetsart University (KU)  
and  
Tottori University (TU), Japan

A meeting to discuss the international joint research collaboration between Kasetsart University (KU) and Tottori University (TU) was held with the participation of three representatives from Kasetsart University, namely Assoc. Prof. Dr. Tharnrat Kaewgrajang, Deputy Dean for Academic Affairs, Faculty of Forestry; Asst. Prof. Dr. Yaovapa Aramsirirujwet, Department of Microbiology, Faculty of Science; and Dr. Salisa Suchitwarasan, Department of Microbiology, Faculty of Science. From Tottori University, two researchers joined the meeting, namely Prof. Keizou Fujii, General Creative Manager, TNII, and Mr. Tomonori Kikuchi, Project Manager, TNII.

Prof. Keizou Fujii presented on the trends in arbuscular fungal research titled ‘Colonization of arbuscular mycorrhizal fungi promoted by bitter glycosides specific to Gentianaceae plants and its application to agriculture’, the author of which is Dr. Hironori Kaminaka the project 1 leader:

- a. PJ1: Microbe Utilization – Promotion of arbuscular mycorrhizal symbiosis;
- b. PJ2: Soil Amendment Technologies – Porous Alpha improvement technology using recycled materials; and
- c. PJ3: Agricultural Digital Transformation – IoT cultivation system in dry land.

To implement the above projects, the tentative schedule of the joint research is planned as follows:

- The 1st year (2026): Project formulation stage
- The 2nd year (2027): Project implementation stage for feasibility study
- The 3rd year (2028): Project experiments and data output stage

And as a reference, DM-ONE green house environment control system was explained. The system automatically creates the best environment that maximizes the photosynthesis rate.

During the meeting, both parties confirmed the following points:

1. **Tottori University** will organize an online meeting in which Dr. Hironori Kaminaka, the Project 1 Leader, will present and clarify the implementation details of Project 1. This will enable both Kasetsart University and Tottori University to independently seek funding support for this joint research project.
2. **Kasetsart University** and **Tottori University** will collaboratively develop the research proposal and apply for research funding from both national and international funding agencies. Tottori University will provide support for filling out application forms for the TRF (Thai national Research Foundation) application process, which is expected to begin between July

and September 2026.

3. MOA(Minutes of Agreement) with detailed descriptions is to be signed between the two parties by the success of these funding applications.

These minutes are executed in two identical copies, written in English, and each Party will retain one copy of these minutes.

Date: 4/4/2026

Date: 6/4/2026

*Tharnrat Kaewgrajang*

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Dr. Tharnrat Kaewgrajang  
Deputy Dean for Academic Affairs  
Faculty of Forestry  
Kasetsart University

*Keizou Fujii*

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Keizou Fujii  
Professor  
General Creative Manager, TNII  
Tottori University