

Natural Products Chemistry International Symposium (March 2 & 3, 2017)

UGSAS held the 6th international symposium on its campus. Prof. Tohru Mitsunaga (UGSAS) played a leading role and lead the symposium. A series of these symposiums we have held for years is recognized as part of our continuous globalization action named "IC-GU12"*₁, which aims at fostering highly-skilled professionals at a doctoral level with our allied universities in Asia. In this symposium, we pursued to build a new research network in the field of natural products chemistry and life sciences, and to promote our social contribution through establishing robust international cooperation.

During the plenary session, ten professors/researchers invited from overseas universities (in Indonesia, Thailand, Viet Nam, Bangladesh and Canada) and two researchers (Kyushu University and Ichimaru-Pharcos Co., Ltd. among Industry Subcommittee*₂) gave presentations about their latest achievements, each of which were followed by a keen discussion with about 45 audience.



The symposium ended with a laboratory tour at Ichimaru-Pharcos Co., Ltd. (Gifu, Japan), one of the major research and development bases for natural raw material production in this area. While the participants visited their industrial laboratories, they shared the most up-to-date information and technologies concerning raw materials.

*₁ IC-GU12: "International Consortium of Universities in South and Southeast Asia for the Doctoral Education in Agricultural Science and Biotechnology", which was created under the initiative of Gifu University.

*₂ Industry Subcommittee: This committee is established in 2013 and has seven life and/or environmental sciences-related Japanese enterprises in the Tokay region. Its founding objective is to support the globalization of our school from industrial perspectives.

International Symposium on Soil Management for Sustainable Agriculture 2017 (August 28-30)

Our school held the 7th international symposium on its campus with a huge success and attendance of 59 people.

Following the welcome speeches by our dean, Prof. Masateru Senge, and Dr. Fumiaki Suzuki (Vice President, Gifu University), 16 invited researchers (China, Indonesia and Vietnam) gave presentations, and other four Japanese researchers/professors (Okayama, Nagoya, Shizuoka and Gifu universities) gave keynote speeches. Their presentation images and in-depth discussions were relayed in real time for enthusiastic participants/students of our united party of Shizuoka University and allied one of Sebelas Maret University (Indonesia) via teleconferencing.

After the symposium, 25 students (UGSAS, Rearing Program for Basin Water Environmental Leaders, and Master's programs of applied biological sciences, Gifu University) joined and organized the Poster Presentation Session. In the session, some of our international students studying with the Japanese government fund(s) showed progress in their study and proved effect of our instructions they received to date. Four students were awarded the Best Poster Prize in the competition.

The last day, 17 guest researchers and eight teaching and supporting staffs participated in "Study Tour" in Tanigumi area and Tokuyama Dam (Gifu, Japan), where they learned under professional guidance about their irrigation system and highly technological water management applied to one of the largest-scale multi-purpose dam. The participants were given a chance to deepen their understanding of some tips in flood control and ideas of nature conservation embedded in Japan's technologies.



MESSAGE from DEAN

Welcome to the sixth issue of UGSAS-GU Newsletter. Since 2012 we have been in the blast of keen enthusiasm for founding the robust base of our globalization.

After last 3 years of the busy project, we have recognized the importance of shifting our focus onto the quality of project "QOP", so in 2017 we have been primarily allocating our resources to practical workshops and symposiums for deeper discussions, and more researcher/student exchanges instead of grandiose events. As the result, our long-cherished Double PhD Degree Program have started to function, and we could also launch another joint laboratory in Thailand.

We hope this issue will keep you updated on our efforts and activities for our alumni, currently enrolled students and faculty staffs who are successful in and out of Japan. It would be very pleased if you would pay attention to our action and send your professional opinions to us for further globalization of the UGSAS-GU.

Masateru Senge, Ph.D.
Dean

LATEST NEWS

- **Nov. *Dr. Shirley C. Agrupis (alumna) inaugurated as the 7th President of Mariano Marcos State University (The Philippines)**
- **Oct. *Ms. Jobaida Akther stated the Double PhD Degree Program (DDP) as the first challenger for the program at UGSAS.**
- **Aug., 2018 *The first Japanese student will start challenging the DDP at Chulalongkorn University (Thailand).**
- **March 7-8, 2018 *International Symposium on Innovative Crop Protection was**

Best Presentation Award Winners

Tran Duy Quan: D2 & Jobaida Akther: D2 (UGSAS)

Chen Siyu: D2 & Tharangika Ranatunga: D3

(BWEL: Gifu University Rearing Program for Basin Water Environmental Leaders)

The 4th International Workshop 2017 at Andalas University

Recent Postharvest Technology for Sustainable Agriculture and Food (July 17-18)

We held the 4th international workshop in Indonesia, which is an effort to promote the globalization of our school and the network with local industry.

The workshop started with an opening remarks by our dean, a keynote speech by Dr. Ir. Endry Martius, M.Sc, (Vice Rector, Andalas University), and IC-GU12*1 action report by Prof. Ken Hiramatsu (Gifu). The plenary part of the workshop included three research presentations by Prof. Kohei Nakano, Prof. Masaya Kato and Assistant Prof. Teppei Imaizumi (Gifu). Among others, two professors (Andalas) including Associate Prof. Feri Arius, and three professors (King Mongkut's University, Thonburi) made research presentations. In addition, two company introduced their business specialized in seed production/marketing and IT industry. The workshop gathered a total of 121 participants from academia and industries, and they engaged in active discussions and shared the information in the latest research.

Second day, the delegation (Gifu and Andalas) held an opening ceremony for a newly opened joint laboratory "Lab Station" at Andalas University. They had an opportunity to observe the operations of spectrophotometer and centrifuge newly equipped by UGSAS. The lab is operated under the supervision of Dr. Ir. Endry Martius (also Gifu University guest associate professor). The lab is expected to function as a research base in the field of postharvest technology and teaching staffs and students of IC-GU12 member universities will be seen there in the future.



Commencement Ceremony

March 13 & Sep. 22



UGSAS honorable students were conferred doctoral diplomas, and the number of students who graduated from March to Dec. 2017 are as follows;

March: 16 students (8 intel. students included)

June: 1 student (1)

Sept.: 4 students (3)

Dec.: 1 student (1)

Entrance Ceremony

April 14 and Oct. 6



UGSAS welcomed new students at the ceremony, and the number of students enrolled are as follows;

April: 11 students (6 intel. students included)

Oct.: 15 student (15)

The 5th International Workshop 2017 at Thuyloi Univ.

Recent Progress in Agriculture and Water Management in Asia (Nov. 27-28, Viet Nam)

As the first action after the school-level agreement concluded in 2015 between our school and Thuyloi University, this workshop came into reality. It started with the remarks and keynote speeches by our dean and Prof. Dr. Nguyen Quang Kim (Rector, Thuyloi), Prof. Ken Hiramatsu (Gifu University), and Assoc. Prof. Dr. Nguyen Canh Thai (Vice Rector, Thuyloi), and Associate Prof. Iida Toshiaki (University of Tokyo, Japan). Then, ten research presentations were delivered by: Associate Prof. Takeo Onishi, Associate Prof. Tatsuro Nishiyama and Assistant Prof. Keigo Noda (Gifu), Assoc. Prof. Nguyen Cao Don (Thuyloi), and three former UGSAS students (Sebelas Maret and Lampung, Indonesia, and University of Dhaka, Bangladesh). From Industry Subcommittee*2, Mr. Eiji Chihara (Sanyu Consultants Inc., Japan) introduced their business operations. At the end of the session, a first-year student (UGSAS) and a first-year student (Graduate School of Applied Biological Sciences, Gifu) reported their experience and in research internship at Thuyloi University, which was facilitated by Sanyu Consultants Inc. and came into actual internship opportunities in Vietnam. This is one of the successful case of industry-academia cooperations seen among IC-GU12*1 actions.



The second day, our delegation was invited to observe BHH*3 irrigation system in the suburbs of Hanoi, where we received a guidance by Associate. Prof. Dr. Nguyen Canh Thai. They studied the current irrigation conditions in Viet Nam, and importance of water resources there. They also visited Hanoi University of Science and Technology (among IC-GU12 member), and our dean, Prof. Senge, and Prof. Nakano had a meeting with Associate Prof. Quan Le Ha (Head of School, Hanoi), Associate Prof. Nguyen Thi Minh Tu (Vice Dean, Hanoi) and Associate Prof. Dr. Tran Lien Ha (Hanoi, also Gifu University guest associate professor). Our delegates introduced UGSAS ongoing programs/projects, and both parties agreed with further opportunity for discussions for the Double PhD Degree Program. *3BHH : Bac Hung Hai Irrigation System

The second day, our delegation was invited to observe BHH*3 irrigation system in the suburbs of Hanoi, where we received a guidance by Associate. Prof. Dr. Nguyen Canh Thai. They studied the current irrigation conditions in Viet Nam, and importance of water resources there. They also visited Hanoi University of Science and Technology (among IC-GU12 member), and our dean, Prof. Senge, and Prof. Nakano had a meeting with Associate Prof. Quan Le Ha (Head of School, Hanoi), Associate Prof. Nguyen Thi Minh Tu (Vice Dean, Hanoi) and Associate Prof. Dr. Tran Lien Ha (Hanoi, also Gifu University guest associate professor). Our delegates introduced UGSAS ongoing programs/projects, and both parties agreed with further opportunity for discussions for the Double PhD Degree Program. *3BHH : Bac Hung Hai Irrigation System

IC-GU12 Information

- **Oct. 14-26** *International Conference on Climate Change (ICCC) was held with the cooperation of Sebelas Maret University (Indonesia)
- **Nov. 7-9** *The delegation of Sebelas Maret University paid a courtesy visit to the president of Gifu University.

The 8th UGSAS Seminar (May 24)

("TOBITATE! Young Ambassador Program": Research Internship Report)

Four students introduced their research internship reports to a total of 42 audiences including 28 students, 24 teaching and other staffs and 6 representatives from Industry Subcommittee*2.

They vividly described the reality of research circumstances they experienced overseas, some tips and unexpected troubles in communication with advisors during the internship period, and how to improve themselves with the experiences in the future. In addition, the students had an opportunity to be informed of the industrial features and operations by five representatives of Industry Subcommittee. At the end of the seminar, the representatives and our students had a time for candid and sharp discussion on the features of expected employees at business scenes.

