

Monthly Report of Gifu University

December 2015 Vol. 700



Partnership Agreement in the Field of Food Science with Gifu Prefecture (November 16)

The 46th Gifu University Forum, Environmental University Forum	0 1
President attends the 3rd Japan-Indonesia Rectors' Conference	0 3
The Third Round of Gifu Nice Rice Project: Sales of Gifu Umai	0 5
“Initiative for the Implementation of the Diversity Research Environment” Kickoff Symposium	0 7
Partnership Agreement in the Field of Food Science with Gifu Prefecture	0 9
Cooperation Agreement with Kitagata Town	1 0
The 10th Local Business Inspection Tour	1 1
The 2nd International Workshop 2015 by UGSAS	1 3
Partnership Agreement for Educational Research Concluded with Shizuoka Prefecture	1 5
President of Tongji University made a courtesy call on President Hisataka Moriwaki	1 6
Degree Awarding	1 8
Foreign Researchers Accepted by Gifu University in October	1 9

The 46th Gifu University Forum, Environmental University Forum

Gifu University held the 46th Gifu University Forum entitled, “Environmental University Forum” at the General Education Building on November 4, 2015.

Gifu University designates November as Environmental Month based on the date of its Environmental University declaration, and holds the Environmental University Forum every year as a related event. Inviting Mr. Koki Ikeya, Curator of Gifu World Fresh Water Aquarium “Aquatotto Gifu”, the Environmental University Forum was attended by 173 people from inside and outside Gifu University (92 teaching and administrative staff, 64 students and 17 citizens).

After the opening speech of President Hisataka Moriwaki, Mr. Masaki Yokoyama, Executive Director for General Affairs and Finance, led the Forum as the facilitator. First, Mr. Ikeya delivered a lecture titled “Curator of Aquatotto Reveals the Truth of the Aquarium – Biodiversity and Painstaking Efforts of Aquarium Staff.” In this lecture, he disclosed the fact that displays of plants and animals at aquariums are often far from the natural environment, and said that he tries his best to recreate the original natural environment for the creatures through on-site investigation, aiming at the establishment of an aquarium with the fewest differences from the natural environment. He also introduced his activities to preserve rare species of fish by taking an example of an endangered species, the Itasenpara bitterling, which he has been breeding.

After the lecture, Mr. Ikeya had a discussion session with Dr. Takahiko Mukai, Associate Professor of the Faculty of Regional Studies, and answered many questions from the participants. Some participants were still asking Mr. Ikeya questions after the forum and showed a high level of interest in his presentation.

Gifu University will continuously gather a variety of knowledge to promote environmental measures.



Mr. Ikeya giving a presentation



Discussion Session

President attends the 3rd Japan-Indonesia Rectors' Conference

President Hisataka Moriwaki and Dr. Fumiaki Suzuki, Executive Director for International Affairs and Public Relations, attended the 3rd Japan-Indonesia Rectors' Conference held at Hokkaido University from November 5 to 6, 2015. The 1st conference was held at Nagoya University in October 2012, followed by the 2nd conference at Gadjah Mada University, Indonesia in December 2013. The former and the current presidents of Gifu University took part in all of these three conferences.

The theme of the 3rd conference was "Collaboration in Research and Education for a Sustainable Society." From Japan, representatives of 28 universities, the Ministry of Education, Culture, Sports, Science and Technology (MEXT), the Japan Science and Technology Agency (JST) and the Japan Association of National Universities attended. From Indonesia, officials from 23 universities, the Ministry of Education and Culture, and the Embassy of Japan in Indonesia joined the conference.

Gifu University has a university- and faculty-level partnership with 10 Indonesian universities. Currently 43 students from Indonesia are studying at the University (accounting for 12.3% of all international students enrolled at Gifu University). This figure is the second largest after Chinese students at Gifu University today.

The Presidents of Bogor Agricultural University, Gadjah Mada University and Bandung Institute of Technology, all of which have exchange agreements with Gifu University, attended the conference. President Moriwaki had an opportunity to exchange opinions with Prof. Dr. Herry Suhardiyanto, Rector of Bogor Agricultural University, over continued cooperation in education and research activities.

In the Parallel Working Group Sessions, participants were divided into small groups under three different themes: i) Education Collaboration, ii) Research Collaboration and iii) Industry and University Cooperation in Innovation. President Moriwaki made a presentation about educational cooperation with the partner universities in Indonesia in the sessions under the theme of Education Collaboration.

The population of Indonesia is 250 million and its annual population growth is 1.2%. As the percentage of young people is rather high, many new universities with a special focus on IT education are being established one after another to meet their needs.

In the 3rd conference, many Indonesian universities expressed their wishes for future collaboration with Gifu University. It is expected that Gifu University will further facilitate and strengthen ties with universities in Indonesia in the years to come.



The Third Round of Gifu Nice Rice Project: Sales of Gifu *Umai*

Gifu University opened a booth for the third round of the Gifu Nice Rice Project, “Sales of Gifu *Umai* (Gifu Nice Rice),” based on the Gifu University and FC Gifu Partner Agreement for Environmental Conservation at Nagaragawa Stadium on November 8 and 23, 2015.

Aiming at raising people’s awareness of rice production and environmental conservation, Gifu University and FC Gifu co-organize the “Gifu Nice Rice Project” and join together in rice planting, harvesting and sales.

A special cultivar of Gifu Prefecture, “hatsushimo” rice seedlings were planted by elementary school children in the first round of the Project called “Soccer Game & Rice Planting in Muddy Field,” and harvested by two players of FC Gifu, Mr. Gakuji Ota (goalkeeper) and Mr. Tsukasa Masuyama (midfielder), and by Gifu University students in the second round of the Project called “Cropping Rice & Drying Sheaves.”

“Gifu *Umai*” is the name of the blended rice consisting of the harvested hatsushimo rice and unmilled rice of “Midori Mai (Green Rice).” Midori Mai is a cultivar with green rice kernels harvested at Gifu University, the green color of which is the same as the team color of FC Gifu.

Gifu *Umai* was sold at a booth on days when FC Gifu soccer games were held. On the first day of sales, many FC Gifu supporters visited the booth despite the rain. The second day of sales was the day of the FC Gifu’s final match of the season, and some of the supporters returned to the booth to buy the rice again saying that the rice was delicious. Gifu *Umai* was also cooked for tasting and visitors had a chance to try it out while learning about the Gifu Nice Rice Project.

Many visitors were already familiar with activities such as “Soccer Game & Rice Planting in Muddy Field,” and “Cropping Rice & Drying Sheaves.” This proved that the environmental cooperation projects of Gifu University and FC Gifu have received wide recognition.

The Gifu Nice Rice Project was the first collaboration between Gifu University and FC Gifu, and concluded with this third round. The Project provided a valuable opportunity to the public to learn about the environmental projects that Gifu University and FC Gifu promote together, and to think about rice production with the participation and cooperation of elementary school children, university students and people in the community.

Gifu University promises to continue efforts for environmental conservation with the cooperation of FC Gifu.



Scene of rice sales

“Initiative for the Implementation of the Diversity Research Environment” Kickoff Symposium

The Gender Equality Promotion Office held a kickoff symposium titled “Aiming for the Revitalization of Gifu with Active Promotion of Female Researchers – Support Program for the Cultivation of Community-based Female Researchers –” on November 9, 2015. The Support Program is part of Gifu University’s “Initiative for the Implementation of the Diversity Research Environment (Collaboration Type),” sponsored by Japan’s Ministry of Education, Culture, Sports, Science and Technology (MEXT).

The purpose of this symposium is to publicize the objectives and activities of this Support Program, which is jointly promoted by Gifu University, Gifu Pharmaceutical University, Gifu Women’s University and API Co., Ltd., and to provide a venue for exchanging opinions about the best way to achieve local revitalization where female researchers can play active roles. This symposium was attended by 94 people from the University and 70 from outside the University.

First, President Hisataka Moriwaki gave an opening speech, and this was followed by Dr. Yasuko Yamamura, Program Officer of the Department for Promoting Science and Technology System Reform of the Japan Science and Technology Agency, who delivered the keynote lecture titled “The Importance of Developing and Supporting Female Researchers in Japan.” Dr. Yamamura spoke about programs for developing and supporting female researchers by introducing the actual efforts and results of other universities in Japan. The participants intently listened to the lecture.

Second, Gifu University’s Specially-Appointed Assistant Professor Masayo Aihara, Chief Coordinator, introduced the outline of the Support Program for the Cultivation of Community-based Female Researchers. Dr. Hideko Nagasawa, professor of the Gifu Pharmaceutical University, Professor Masako Fujita of Gifu Women’s University and Ms. Yoko Araki of API Co., Ltd., each gave speeches and expressed their enthusiasms for the Support Program.

Third, a panel discussion was held under the theme of “Aiming for Local Revitalization through the Promotion of Female Researchers,” and Professor Masako Hayashi, Vice President for the Promotion of Gender Equality and Diversity, served as the moderator. In the panel discussion, Mr. Satoshi Ichikawa of Daily Newspaper Gifu Shimbun, Ms. Kyoko Kawano of Gifu Prefectural Government, Mr. Takahiko Nonogaki of API Co., Ltd., and Dr. Kyoko Yamane, Assistant Professor of the Faculty of Applied Biological Sciences exchanged opinions as the panelists from their perspectives on the importance of promoting female researchers working in Gifu

Prefecture to higher positions, and providing support that would enable them to continue their research while raising children.

Finally, Mr. Masaki Yokoyama, Executive Director for General Affairs and Finance, Gifu University, gave the closing remarks for the symposium.



Panel discussion

Partnership Agreement in the Field of Food Science with Gifu Prefecture

Gifu University concluded a partnership agreement in the field of food science with Gifu Prefecture at the Gifu Prefectural Government Office on November 16, 2015.

With the aim of promoting and strengthening research development and support for local companies in the field of food science, Gifu Prefecture and Gifu University will collaborate and interchange with each other for the support of local businesses and educational and academic research activities.

At the signing ceremony, President Hisataka Moriwaki expressed his hope for the agreement saying, “Gifu University, which has extensive research experience in the field of food science, will be able to contribute to local revitalization by sharing research achievements with society. The University will do its utmost to produce many tangible results in the future.”

Gifu University will implement various activities jointly with the Prefecture to bolster the three core fields of the promotion of research development of local food, strengthening the support system for food and healthcare companies, and promoting the development of specialists through practical education and human exchange.

Gifu University will establish the Gifu Prefectural Food Science Research Center (tentatively named) as a hub for the collaborative activities on the University campus by 2018. The Center will be a three-story building in which the Gifu Prefectural Government will have offices of Food Department of Industrial Technology Center on the first and second floor, and an industry-government-academia hub will be located on the third floor, where the Faculty of Applied Biological Sciences and private companies will promote joint research. The establishment of a public experimental research institution of the Prefecture on the premises of a national university will be the first such attempt in Japan.



President Moriwaki (right) showing the agreement with Governor Hajime Furuta of Gifu Prefecture (left)

Cooperation Agreement with Kitagata Town

Gifu University and Kitagata Town concluded a cooperation agreement on November 20, 2015.

Under this agreement, the two institutions will build a comprehensive and close cooperative relationship in a variety of fields, and strengthen the partnership in a sustainable and constructive manner. By so doing, the institutions aim to form and further develop a vigorous community and contribute to the cultivation of human resources that will play central roles in the future. Gifu University has been building such relationships with municipalities in Gifu Prefecture, and this is the 12th agreement with a local government.

The signing ceremony was held at the Kitagata Town Office. Mr. Hideo Muroto, Mayor of Kitagata Town gave a speech stating, “We have received various forms of cooperation from Gifu University for the growth and development of Kitagata Town. I hope we can deepen our cooperative relationship under this agreement.” President Hisataka Moriwaki replied, “We will be able to advance our partnership in multiple fields from the perspectives of not only of education and research, but also regional contribution and glocalization.”

Gifu University and Kitagata Town will work together in a number of fields starting with the development of a safe and secure community.



President Moriwaki (right) and Mayor Muroto

The 10th Local Business Inspection Tour

On November 24 and 25, 2015, a total of 19 Gifu University board members, including President Hisataka Moriwaki, executive directors, vice presidents and auditors, joined the 10th Local Business Inspection Tour. This tour is organized by Gifu University in order for the University to contribute to the promotion of regional businesses, and to deepen understanding about local business activities in view of the creation and development of attractive places of employment for University students in the future.

The 10th Local Business Inspection Tour gave participants the opportunity to visit the following three companies: Mino Industry Corporation, Tokiwa Corporation and Salad Cosmo Co., Ltd. The three companies are situated in Nakatsugawa City in the eastern region of Gifu Prefecture and have a good record of recruiting graduates of Gifu University. The tour included factory tours and opinion exchanges with management executives and engineers at each company.

During the course of the tour, the participants were impressed by Mino Industry Corporation's streamlined factory flow that produces die-cast parts applying a unique thin-wall technique, Tokiwa Corporation's cosmetic powder wet-method production line, which enjoys a high reputation in Japan and overseas, and its rigorous quality control processes, and Salad Cosmo Co., Ltd.'s dedication to food safety and security at its vegetable sprout plant. The three companies place much emphasis on developing and researching new products based on their pioneering technologies and clear corporate philosophies. All the participants got a good sense of these companies' strong commitments to their business operations and development.

Meetings were held between Gifu University participants and the people at the companies, and the participants eagerly engaged in discussions about the companies' future visions, the challenges they face in research and development, the status of alumni of Gifu University working at the companies, the companies' human resources development plans, the status of internships, etc. The tour proved to be quite meaningful for the participants, especially because they found out that alumni of Gifu University were playing active roles at each company.

Gifu University is currently promoting the 2015 Center of Community (COC+) Program for local revitalization sponsored by the Ministry of Education, Culture, Sports, Science and Technology (MEXT), with the aim of fostering human resources that the community truly needs, and of encouraging young people to take root in the region. In this respect, visits to local businesses by the University's board members are of significant importance. They will help University officials understand the status of local businesses and make numerous discoveries about them. Gifu University will

continue to organize the local business tours for the purpose of human resource development and to support University students' job-seeking activities.



President Moriwaki listening to explanations from a Gifu University's alumnus at a vegetable sprout plant

The 2nd International Workshop 2015 by UGSAS

The United Graduate School of Agricultural Science (UGSAS) held the 2nd International Workshop with the cooperation of Gifu University's Graduate school of Applied Biological Sciences and Sebelas Maret University (UNS), at Solo Paragon Hotel (Solo, Indonesia) for two days from November 30 to December 1, 2015. This workshop began last year with the purpose of promoting the globalization of Gifu University as well as exchanges with local businesses. The 2nd workshop was supported by the OGAWA Science and Technology Foundation.

The first day of this year's workshop was held at Solo Paragon Hotel along the main theme of "Biological Environmental Science." The workshop included following programs: keynote lectures by Professor Dr. Ravik Karsidi, M.S, President of UNS, and Dr. Fumiaki Suzuki, Executive Director for International Affairs and Public Relations of Gifu University; an introduction to UGSAS by Dean Masateru Senge and Professor Yuzuru Mukai; research presentations by Professor Ken Hiramatsu, Associate Professor Takeo Onishi, Assistant Professor Isao Hirota; and from UNS, research presentations and an introduction of Experimental Stations for Rivers, a local company in Indonesia. Around 110 people who attended the Workshop, listened attentively to the lectures and presentations, and actively exchanged ideas and opinions.

In addition, Mr. Chihiro Sako, Section Chief of the International Planning Division of Gifu University, and Mr. Taufiq Al Makmun, MA, Director of the International Office of UNS, took this opportunity to meet and talk about future exchanges and international projects that the universities are working on together.

A general discussion session also took place where UNS master's students and researchers and people from local businesses exchanged information on their research with one another. This session became a venue to promote the globalization of research exchange.

On the Second day, the delegates from Gifu University visited National Plantation Company IX Tasikmadu Branch, a sugar refining plant. Mr. Teguh Agung Tri Nugroho presented an overview of the company, and this was followed by a video showing the sugar refining process and a plant tour.

On the same day, a bilateral seminar by doctoral students took place at UNS. After greetings from Professor Kohei Nakano, Senior Tutor of UGSAS, Mr. Takuo Kamiya and Mr. Hiroki Ito gave presentations that doubled as their research internship reports at PT. Great Giant Pineapple, a major pineapple farming company.

In the afternoon, the delegates checked in on the Gifu University Office set up within UNS and held an opening ceremony for a joint laboratory. Professor Dr. Samanhudi of UNS and Dean Senge of Gifu University cut the ribbon and observed the experimental equipment that UGSAS bought for the laboratory. This joint laboratory will be open to faculty and students of IC-GU12* under the supervision of Associate Professor Widyatmani Sih Dewi of UNS (a visiting associate professor at Gifu University) as a research hub for environmental and science research.

*International Consortium of Universities in South and Southeast Asia for the Doctoral Education in Agricultural Science and Biotechnology



Keynote lecture by Professor Dr. Ravik Karsidi, M.S, President of UNS
Presentation on the activities of IC-GU12 by Dean Senge of UGSAS



Sugar refining plant tour

Partnership Agreement for Educational Research Concluded with Shizuoka Prefecture

On December 1, 2015, Gifu University concluded an agreement with Shizuoka Prefecture to seek the further development of educational research activities. The objectives of this agreement are to encourage further progress of the educational research activities of the United Graduate School of Agricultural Science (UGSAS) and the revitalization of research work at experimental and research institutes in Shizuoka Prefecture. Under this agreement, both entities will also accelerate research exchanges with the aim of pursuing academic, scientific and technological development.

Mr. Hirohito Yamamoto of the Marketing and Research Bureau, Economy and Industry Department of the Shizuoka Prefectural Government visited UGSAS for the signing ceremony. After Mr. Yamamoto and Dr. Masateru Senge, Dean of UGSAS, confirmed the procedures to develop research guidance to students, they signed the agreement.

Research institutions in Shizuoka Prefecture have many laboratories including the Shizuoka Institute of the Environment and Hygiene, and many researchers who have doctoral degrees in agricultural science are working there. Gifu University will cooperate with Shizuoka Prefecture in multiple research fields in the future.



Dr. Senge (left) and Mr. Yamamoto holding the agreement paper

President of Tongji University makes a courtesy call on President Hisataka Moriwaki

On December 1, 2015, Professor Pei Gang, President of Tongji University, China made a courtesy call on President Hisataka Moriwaki. He was accompanied by Dr. Huang Yu, Vice Dean of the Graduate School and Ms. Huang Xiaojie of International Exchange and Cooperation Office of Tongji University.

Tongji University and Gifu University concluded an Agreement on Student and Faculty Exchange in March 2006 and the two institutions have actively engaged in various exchange programs ever since.

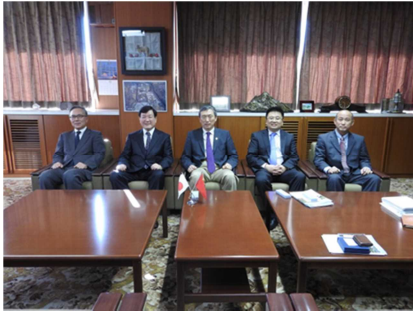
Dr. Fumiaki Suzuki, Executive Director for International Affairs and Public Relations, Dr. Atsushi Yashima and Dr. Kazuhide Sawada of the Faculty of Engineering joined a discussion in the meeting with the President. During his visit, Dr. Huang Yu was reunited with Dr. Yashima, who supervised him when he was enrolled in Gifu University as a postdoctoral researcher.

In the meeting, President Moriwaki said, “Tongji University ranks one of the best in China in the fields of engineering and social infrastructure development. As Gifu University is also focusing on the same fields of research, the relationship between Gifu University and Tongji University will become more significant than ever.” The two presidents then confirmed the importance of continued, strong ties between the two institutions.

After the meeting, President Pei Gang and Ms. Huang Xiaojie visited the School of Medicine and Dr. Huang Yu visited the Faculty of Engineering respectively. In each facility, they were warmly welcomed by teaching and administrative staffs and deepened their friendship with one another.



Meeting with President Moriwaki



(from left) Dr. Yashima
President Moriwaki
President Pei Gang
Professor Huang Yu
Dr. Sawada

Degree Awarding

Degree	Diploma Number	Name	Date of Degree Awarding	Dissertation Title
Ph.D. in Medical Sciences	Ko*-No.1000	Ryoko Mabuchi	November 18, 2015	High serum concentration of L-kynurenine predicts unfavorable outcomes in patients with acute myeloid leukemia

* Ko: type of diploma

Foreign Researchers Accepted by Gifu University in November

Faculty	Name (Country)	Title, University	Period	Research Title
Faculty of Engineering	Yongbo Tan (China)	Associate Professor, Nanjing University of Information Science and Technology	November 1, 2015 - October 31, 2016	A study on artificially-controlled discharge of electrified thunderstorm
Faculty of Education	Thida Wint (Myanmar)	Lecturer, University of Mandalay	November 15, 2015 - January 31, 2016	Experimental study of double- Lambda and Xi hypernuclei
Faculty of Engineering	Afolabi, Saheed Olanrewaju (Nigeria)	Assistant Lecturer, University of Ilorin	November 28, 2015 - May 25, 2016	Cancer chemoprevention using isolated phytochemicals from Nigeria medicinal plants