

Monthly Report of Gifu University

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The 1st Gifu University Delivery Lecture
(September 17)

Gifu University, Chubu Gakuin University, Chubu University, Nihon Fukushi University and Nagoya Gakuin University jointly hold Summer School Program.....	0 1
Grants-in-Aid for Scientific Research Briefing Session is held.....	0 3
Gifu University and Gifu City co-sponsor Energy Service Company (ESCO) Workshop..	0 5
The 1 st Gifu University Delivery Lecture, “Diverse Approaches to Health & Longevity in an Era full of Ills and Calamity Be ourselves for life.”	0 6
Gifu University and the National University of Malaysia conclude a Memorandum of Understanding	0 7
Gifu University Intensive Environment Seminar “Microorganism and Environment” is held	0 9
Fall 2016 Degree Awarding Ceremony for the Gifu University United Graduate School of Agricultural Science and the United Graduate School of Veterinary Sciences is held	1 1
The 1 st Gifu University Alumni Association Meeting is held	1 2
The 5 th Press Conference by the President in 2016	1 4
Degree Awarding	1 5
Foreign Researchers Accepted by Gifu University in September.....	1 7

Gifu University, Chubu Gakuin University, Chubu University, Nihon Fukushi University and Nagoya Gakuin University jointly hold Summer School Program

From September 7 to 9, 2016, Gifu University, Chubu Gakuin University, Chubu University, Nihon Fukushi University and Nagoya Gakuin University jointly held the Summer School Program at Chubu University Training Center in Ena City, Gifu Prefecture. As part of COC+ (Center of Community Program for local revitalization) project of the Ministry of Education, Culture, Sports, Science and Technology (MEXT), 44 university students from 5 universities worked on the given themes under the initiatives of Gifu University.

The followings are the three given themes for discussions:

- "Think about people's livelihoods and regional growth from the viewpoints of community, people and work" for Ena* Course
- "Think about promotion plans for local industry and tourism, contemplate the future of tile business" for Tajimi* Course
- "Think about the future of food and agricultural products" for Nakatsugawa* Course

Each team was made up of three to four students from different universities. They visited local companies to inspect their business operations and interviewed the workers there on September 7 and 8. On September 9, the final day of the program, they made their presentations and proposals about each theme based on their observations and interviewing results. For these presentations, the students engaged in heated discussions from the afternoon of September 8.

In the final day, local residents who cooperated with the program, visited the center to observe their presentations, and made both easy and tough comments about the students' proposals. Their proposals included, "create the Japan's first museum for traditional Japanese New Year's food" "successful matchmaking (minoru in Japanese) through Mino Pottery" "recruit youngsters to serve as facilitators of Japanese agriculture."

This three-day Summer School Program offered the students the opportunity to think deeply about various regional issues that people are tackling with, and the opportunity to build friendship among students and the university staff beyond the difference of universities.

*Ena, Tajimi and Nakatsugawa are the name of the cities within Gifu Prefecture.



Grants-in-Aid for Scientific Research Briefing Session is held

On September 13, 2016, Gifu University invited Mr. Yuzo Ishida, Director of Scientific Research Aid Division, Research Promotion Bureau, the Ministry of Education, Culture, Sports, Science and Technology as a guest speaker for a Grants-in-Aid for Scientific Research Briefing Session which was held at Gifu University.

Gifu University has been advocating the promotion of quality research, the real basics of education, in its Period III of the Mid-term Objectives and Plans. The university has set a goal of winning Grants-in Aid for Scientific Research of Japan Society for the Promotion of Science (JSPS) as one of its research strategies, and is extensively supporting research activities to enhance overall university's research capabilities.

The major objective of this briefing session is to provide people concerned with the latest situations about grants-in-aid of JSPS for more applications for, and winning of the grants in the future.

After President Hisataka Moriwaki's opening speech, Mr. Ishida made his presentation under the title, "Trend of Grants-in-Aid for Scientific Research". He spoke about a summary of grants-in-aid, the reality surrounding the grants, and three reform pillars of the grants of JSPS in detail.

Around 130 people attended including the teaching and administrative staff of Gifu University, officials of Gifu Pharmaceutical University and higher educational institutions within Gifu Prefecture.

After his presentation, Mr. Ishida took many questions from the participants, and the session proved to be quite productive and beneficial to all participants in strengthening their research capabilities in the years to come.



Mr. Ishida making a presentation



Briefing session

Gifu University and Gifu City co-sponsor Energy Service Company (ESCO) Workshop

On September 16, 2016, Gifu University and Gifu City Global Warming Countermeasure Promotion Committee co-sponsored an Energy Service Company (ESCO) Workshop.

ESCO program is designed to carry out energy-saving repair and maintenance work based on proposals made by companies with a great deal of energy-conservation expertise. Its major objectives are to promote energy-saving initiatives and effective cut in utility spending. Surplus funds generated from less use of energy are spent to purchase energy-efficient equipment and its maintenance costs.

Gifu University Hospital introduced this ESCO program in 2016 and is working hard to operate and maintain the hospital in more eco-friendly and energy-conserving manner.

On September 16, Workshop & Facility Inspection Tour were offered to the companies located within Gifu City and its purposes were: to introduce the hospital's high-energy efficiency facility and equipment, to encourage voluntary slash in carbon dioxide emission, and to create low-carbon society in Gifu City.

A total of 40 people from 26 companies were intently listening to the mechanism of ESCO program and energy-saving equipment and facility of the hospital.



ESCO Workshop



Facility inspection tour

(Gifu University Hospital Energy Center)

The 1st Gifu University Delivery Lecture, “Diverse Approaches to Health & Longevity in an Era full of Ills and Calamity: Be ourselves for life.”

On September 17, 2016, the 1st Gifu University Delivery Lecture titled, “Diverse Approaches to Health & Longevity in an Era full of Ills and Calamity: Be ourselves for life” was held at Gifu University Hayano Residence Seminar House. A total of 34 people attended the lecture. Gifu University Hayano Residence Seminar House is the former residence of Dr. Saburo Hayano, the 7th president of Gifu University, and he kindly donated the house to be used for a seminar house. After some renovation, the house opened in 2013.

To disseminate results of educational research activities of Gifu University to the public, and to make the house a venue of learning for local residents, Gifu University decided to open a delivery lecture at the house from 2016.

In the 1st Delivery Lecture on September 17, Associate Professor Kazunari Kobayashi of the School of Medicine served as a lecturer, and discussed people’s health and longevity with the participants. He asked the participants about the meaning of health and how to stay healthy while quoting a number of actual cases. After the lecture, many questions were raised from the participants. All enjoyed in-depth discussions in a unique, quaint old residence atmosphere.



Mr. Masaki Yokoyama, Executive Director for General Affairs and Finance delivering an opening speech



Associate Professor Kobayashi taking questions from the participants

Gifu University and the National University of Malaysia conclude a Memorandum of Understanding

On September 21, 2016, Gifu University and the National University of Malaysia (Universiti Kebangsaan Malaysia: UKM) concluded a Memorandum of Understanding (MOU). UKM is the first university in Malaysia that Gifu University concludes a university-level agreement.

Established in 1970 and located at Bangi, Selangor, close to Kuala Lumpur, UKM is ranked one of the best universities in Malaysia. The Faculty of Engineering of Gifu University signed an Agreement of Faculty and Student Exchange with the Faculty of Science and Technology of UKM on January 22, 2014. Since then, active exchange is going on between the two faculties, particularly in the fields of educational research activities. It is expected that the latest signing of MOU paves the way for implementation of interdisciplinary educational and research programs between the two institutions. Among others, the Graduate School of Engineering, the Graduate School of Applied Biological Sciences, the United Graduate School of Agricultural Science and the Faculty of Education of Gifu University are expected to be a major driving force to bring the MOU to fruition in cooperation with their counterparts at UKM.

Gifu University positions UKM as one of its strategically important partner universities overseas in promoting the university's international collaborative education. Currently, Gifu University and UKM are extensively discussing future introduction of short-term study overseas programs including winter school programs as well as sandwich programs and joint degree programs.

The representatives of the two universities who attended the MOU signing ceremony were:

(from UKM)

Prof. Datuk Dr. Noor Azlan Ghazali, Vice Chancellor

Prof. Dr. Andanastuti Muchtar, Director of the UKM Graduate Centre

Assoc. Prof. Ir. Dr. Nasharuddin Zainal, Head of the Graduate Strategic Planning and Development Unit, UKM Graduate Centre

(from Gifu University)

President Hisataka Moriwaki

Dr. Fumiaki Suzuki, Executive Director for International Affairs and Public Relations,
Vice President

Dr. Shuichi Nonomura, Dean, Graduate School of Engineering

Dr. Hirokazu Fukui, Dean, Graduate School of Applied Biological Sciences

Dr. Masateru Senge, Dean, United Graduate School of Agricultural Science

Dr. Naotake Iketani, Dean, Faculty of Education

In the signing ceremony, President Moriwaki and Prof. Datuk Dr. Noor Azlan Ghazali made presentations about their respective universities first, and then the two gave their signatures to the MOU. Opinions concerning the unique features of each university, as well as the expected exchange programs were actively exchanged during the next question and answer session. At the end of the ceremony, all the attendees agreed to further strengthen the cooperation between Gifu University and UKM.



President Moriwaki shakes hands with Prof. Datuk Dr. Noor Azlan Ghazali



(from left at the front row) Dr. Suzuki, President Moriwaki, Prof. Datuk Ghazali and Dr. Mughtar

(from left at the second row) Professor Shima, Dr. Lim, Dr. Iketani, Dr. Senge, Dr. Fukui, Dr. Nonomura and Dr. Zainal

Gifu University Intensive Environment Seminar “Microorganism and Environment” is held

On September 24, 2016, the United Graduate School of Agricultural Science (UGSAS: composing universities: Gifu University and Shizuoka University) held an open seminar titled, “Environment Seminar: Microorganism and Environment” at the Gifu University Satellite Campus situated in front of JR Gifu Station.

This seminar was held to raise people’s awareness about the roles of microorganism in relation to the environment. Each speaker made a presentation about microorganism from the perspectives of the environment surrounding soil and plants, purification of environmental pollutant, application of unused biomass, intestinal environment and microorganism-powered fuel batteries. The seminar also offered people an opportunity to know about various UGSAS research activities.

At the beginning of the seminar, Dr. Masateru Senge, Dean of UGSAS gave an opening speech, and Professor Kohei Nakano introduced five speakers to the audience.

The names of the speakers, universities and their presentation titles are as follows:

- Professor Naoto Ogawa, Shizuoka University, “Soil Environment and Microorganism”
- Professor Tohru Suzuki, Gifu University, “Another Environment Problem: Birth of Humans Seen from Intestinal Microorganism”
- Professor Kohei Nakano, Gifu University, “No Oxygen Needed, Microorganism Survivability: Methane Fermentation and Microorganism-Powered Fuel Batteries”
- Professor Shingo Kawai, Shizuoka University, “Environment Cleanup by Mushrooms”
- Professor Emeritus Kazuhiro Takamizawa, Gifu University, “Reality of Soil and Underground Water Cleanup by Microorganism”

The Question and Answer sessions followed after each speaker’s presentation and the participants asked the speakers many questions such as, “Does lactic acid in yoghurt work differently by person?” “Are carbonic acid breathing and acetic acid breathing different?” “How much will it cost for underground water purification?”

A total of 85 people (64 citizens, 11 students and 10 university staff members) were all intently listening to the presentations.

The results of questionnaire about the seminar showed that many people are expecting the similar environment seminar next year, and expressing their strong wishes for

attendance. A big turnout of the seminar represented people's strong interest in the environment today.



Professor Emeritus Kazuhiro Takamizawa making a presentation



Question and Answer session

Fall 2016 Degree Awarding Ceremony for the Gifu University United Graduate School of Agricultural Science and the United Graduate School of Veterinary Sciences is held

On September 26, 2016, the Fall 2016 Degree Awarding Ceremony for the Gifu University United Graduate School of Agricultural Science (UGSAS) and the United Graduate School of Veterinary Sciences (UGSVS) was held at Gifu University Auditorium.

The students who completed the doctoral program or the dissertation doctorate of the respective schools received their diplomas at the ceremony.

The ceremony was attended by the Dean and the Division Head of the Department of Agriculture of the Graduate School of Integrated Science and Technology, Shizuoka University as a guest, as well as the President, executive directors, vice presidents and deans of UGSAS and UGSVS, Gifu University.

The number of students who completed the courses was:

UGSAS: 6 for doctoral program, 2 for dissertation doctoral

UGSVS: 12 for doctoral program, 4 for dissertation doctoral



President Hisataka Moriwaki hands the certificate to a student



President giving a speech



A student giving a speech in reply

The 1st Gifu University Alumni Association Meeting is held

On September 26, 2016, the 1st Gifu University Alumni Association Meeting was held at Gifu University.

The purposes of this meeting are:

- to provide the latest information about the university for the members of each faculty alumni association
- to exchange opinions concerning the current situations of each faculty's alumni association
- by doing the two above, the participants are expected to deepen their mutual understanding, and promote relationship between the university and the association, and among the faculty's alumni associations.

At the beginning of the meeting, Mr. Yoshinori Usui, Chair of Gifu University Alumni Association said, "We will continue to support Gifu University, our alma mater as alumni and alumnae." Then, President Hisataka Moriwaki made this comment, "Gifu University is striving for communicating university information to the public, and we all hope for your kind support and assistance for our endeavors."

Dr. Fumiaki Suzuki, Executive Director for International Affairs and Public Relations, Vice President spoke about the latest developments of Gifu University and public relations activities by mentioning some instances of media coverage on the university.

On behalf of the Faculty of Engineering, Associate Professor Masato Ikeda of the Department of Chemistry and Biomolecular Science, made a presentation about his research work titled, "Nano Materials made of Accurately-Designed Artificial Molecules: Stimulus-Responsive Jelly-State Substance."

At Gifu University, he is the first recipient of the Young Scientist's Prize of the Commendation for Science and Technology by the Minister of Education, Culture, Sports, Science and Technology in 2015. He was awarded the prize for his breakthrough research of creating jelly-state substance which melts by certain symptoms of illnesses and light.

At the end of the meeting, the members of each faculty alumni association extensively exchanged their opinions, and a total of 58 attendees enjoyed their talks and renewed

their friendship.

Gifu University will hold the 2nd Gifu University the Alumni Association Meeting and beyond to further step up cooperation between Gifu University and the Alumni Association.

We look forward to your kind support for Gifu University and the Alumni Association in the years to come.



Mr. Usui giving a speech



President Moriwaki giving a speech



Dr. Suzuki speaking
before the audience



Associate Professor Ikeda making a
presentation

The 5th Press Conference by the President in 2016

On September 27, 2016, Gifu University held the 5th Press Conference by the President.

First, President Hisataka Moriwaki spoke about “Gifu University Staff Development (SD) Program in 2016” in association with the Gifu University’s “Future Vision for 2015.”

Mr. Masaki Yokoyama, Executive Director for General Affairs and Finance later introduced the details of the program.

Gifu University positions “internationalization” as a center of its Future Vision, and is promoting overseas study programs for teaching staff, and developing overseas practical training programs for administrative staff under the university’s Period III of Mid-Term Objectives and Plans.

In the SD Program starting from 2016, two administrative staffers are sent to the Gifu University’s overseas offices in China to introduce Gifu University, reinforce relationship with partner universities abroad, and Gifu companies whose operations expanding into China. It is hoped that the two program participants could improve their administrative and business skills through practical training experiences.

Ms. Mai Okumura, one of the participants said, “I would like to introduce Gifu University and Gifu Prefecture to the people in China as much as possible.” Mr. Haruki Nakanami, another participant said, “I want to bolster ties with Gifu University’s overseas offices and partner universities abroad.”



President Moriwaki explaining the Future Vision



Mr. Yokoyama speaking about the SD Program (from right: Mr. Yokoyama, Ms. Okumura and Mr. Nakanami)

Degree Awarding

Diploma Number	Degree	Name	Date of Degree Awarding	Dissertation Title
Ko [*] -No. 1028	Ph.D. in Medical Sciences	Chiharu Yokoyama	September 14,2016	Deletion of LOX-1 Protects against Heart Failure Induced by Doxorubicin
Ko [*] -No. 506	Ph.D. in Engineering	Masaki Kakizawa	September 30,2016	Performance evaluation of polymeric materials for repairing concrete structures
Ko [*] -No. 507	Ph.D. in Engineering	MUHAMMAD AMIRUDDIN BIN AB WAHAB	September 30,2016	Fatigue Strength/Life Estimation Method Using Critical-Distance-Stress Theory
Ko [*] -No. 508	Ph.D. in Engineering	Akiko Tajiri	September 30,2016	Effect of casting defect on fatigue behavior in cast aluminum alloy AC4CH and improvement of fatigue strength by microstructural modification
Ko [*] -No. 509	Ph.D. in Engineering	NGO THI HONG XIEM	September 30,2016	Meson-Meson Interactions in the One-Meson-Exchange Model
Ko [*] -No. 655	Ph.D. in Agricultural Science	Vonny Indah Mutiara	September 26,2016	Socio Economic Analysis of Organic Rice Farming System in West Sumatra, Indonesia
Ko [*] -No. 656	Ph.D. in Agricultural Science	Yuki Tanno	September 26,2016	The Present Status and Conservation of Plant Communities in Semi-Natural Grasslands in West-Central Shizuoka, Japan
Ko [*] -No. 657	Ph.D. in Agricultural Science	Katsunobu Sawaki	September 26,2016	Study on Transcriptomic Biomarker Genes in the Shoots that can Evaluate Rhizotoxicity and Nutrient Status
Ko [*] -No. 658	Ph.D. in Agricultural Science	CHEN BIXIAO	September 26,2016	Maintenance and Improvement of the Environment in the Large Intestine by Food Ingredients
Ko [*] -No. 659	Ph.D. in Agricultural Science	Ayaka Hieno	September 26,2016	Studies on Abscisic Acid- and H ₂ O ₂ - Mediated Transcriptional Regulation Related to Defense Response to Pathogen in <i>Arabidopsis thaliana</i>
Ko [*] -No. 660	Ph.D. in Agricultural Science	Ali Mohammed Pitia Milla	September 26,2016	Relaxin-Like Factor (Insulin-Like Factor 3) Hormone-Receptor System in Male Reproductive Organs and Spermatozoa of Domestic Ruminants
Ko [*] -No.463	Ph.D. in Veterinary Science	MOHAMMAD TUFAZZAL HUSSAN	September 26,2016	Expression of a Vesicular Glutamate Transporter mRNA in the Brain of the Turtle(<i>Trachemys scripta elegans</i>)
Ko [*] -No.464	Ph.D. in Veterinary Science	Kiyotada Naito	September 26,2016	Studies on Regulatory Mechanisms of Colorectal Motility through the Spinal Defecation Center
Ko [*] -No.465	Ph.D. in Veterinary Science	Akiyo Iwasa	September 26,2016	Evalauation of Oral Route in Drug Therapy in Cattle -Mainly on Evaluation of Pharmacokinetics and Clinical Efficacy of Diclofenac After Oral Administration
Ko [*] -No.466	Ph.D. in Veterinary Science	MOHAMED SABRY AHMED MOHAMED ALI	September 26,2016	Histopathological Studies on the Co-infection with Chicken Anemia Virus and Marek's Disease Virus in Chickens
Ko [*] -No.467	Ph.D. in Veterinary Science	Shehata Ibrahim Anwar Shehata	September 26,2016	Pathological Study on Mechanisms of Malignant Proliferation of Canine Hemangiosarcomas

Diploma Number	Degree	Name	Date of Degree Awarding	Dissertation Title
Ko *1-No.468	Ph.D. in Veterinary Science	Isamu Suzuki	September 26,2016	Studies on Chemomodulatory Action of 4-Methylthio-3-Butenyl Isothiocyanate (MTBITC) on Carcinogenesis in Rats
Ko *1-No.469	Ph.D. in Veterinary Science	Takeshi Tanaka	September 26,2016	Risk Analysis Study of Mycotoxin-induced Developmental Neurotoxicity Focusing on Neurogenesis in the Hippocampal Dentate Gyrus
Ko *1-No.470	Ph.D. in Veterinary Science	HAKIM, Hakimullah	September 26,2016	Studies on Detection of Avian Pathogens and Control of Avian Diseases by Enhancement of the Biosecurity of the Poultry Industry
Ko *1-No.471	Ph.D. in Veterinary Science	NAEEM MUHAMMAD	September 26,2016	Studies on the Experimental Transmission of AA Amyloidosis Induced by Amyloid Fibrils from Different Animal Species
Ko *1-No.472	Ph.D. in Veterinary Science	Satoshi Komazawa	September 26,2016	Epidemiologic Study of Canine Tumor Incidence Relevant to Breed
Ko *1-No.473	Ph.D. in Veterinary Science	Toshiharu Fukazawa	September 26,2016	Pathological Studies on Biological Reaction of the Small-Diameter Vascular Grafts Made of Silk Fibroin which Implanted in Rat Abdominal Aorta
Ko *1-No.474	Ph.D. in Veterinary Science	Kazuki Heishima	September 26,2016	Studies on Novel MicroRNA-Based Therapeutics and Biomarkers for Canine Hemangiosarcoma
Ko *1-No.32	Ph.D. in Pharmaceutical Science	Yoshiyuki Nakano	September 30,2016	Involvement of prostaglandin D2 in the development of Japanese Cedar pollinosis: a pharmacological study by a novel mouse model
Ko *1-No.33	Ph.D. in Pharmaceutical Science	Yoji Nagira	September 30,2016	Involvement of prostaglandin D2 in the eliciting symptoms of allergic rhinitis induced by neuronal reflex in guinea pigs
Ko *1-No.34	Ph.D. in Medical Sciences	Ferdausi Ali	September 30,2016	Logical design of an anti-cancer agent targeting the Plant Homeodomain (PHD) in Pygopus2
Otsu *2-No. 1487	Ph.D. in Medical Sciences	Chiemi Saigo	September 14,2016	Immunoreactivity of a Monoclonal Antibody to SS18-SSX Fusion Gene Product in Formalin-fixed Paraffin-embedded Synovial Sarcoma Tissue Section.
Otsu *2-No. 146	Ph.D. in Agricultural Science	Momi Tsuruta	September 26,2016	Ecological and Genetic Studies on Inter-specific Crossing between <i>Cerasus x yedoensis</i> 'Somei-yoshino' and its Wild Relatives
Otsu *2-No. 147	Ph.D. in Agricultural Science	Tatsuo Asai	September 26,2016	Crop Science on Sustainable Production of Rice
Otsu *2-No. 145	Ph.D. in Veterinary Science	Rikiya Shiraiishi	September 26,2016	Study on Improvement in the Performance of Rabies Antibody Tests
Otsu *2-No. 146	Ph.D. in Veterinary Science	Riichi Takahashi	September 26,2016	Studies on the Transgenic Animal Technologies for Rats and Rabbits, and their Practical Uses for Bioresources
Otsu *2-No. 147	Ph.D. in Veterinary Science	Yukako Shimojima	September 26,2016	Studies on the Epidemiological Analysis of <i>Listeria monocytogenes</i> in Food
Otsu *2-No. 148	Ph.D. in Veterinary Science	Ken Sakurai	September 26,2016	Establishment of Monkey Testicular Toxicity Model and Investigation of miRNAs Related to Testicular Toxicity in <i>Cynomolgus</i> Monkeys

*1 Completed the study of the course

*2 Completed by dissertation only

Foreign Researchers Accepted by Gifu University in September

Faculty	Name (Country)	Title,University	Period	Research Title
School of Medicine	Ossama Abdelmohsen Salem Ahmed (Egypt)	Assistant Lecturer of Anatomy and Embryology, Benha University	2016/9/1~ 2017/7/31	Role of epigenetic modifiers in the fate determination of melanocyte stem cells
Faculty of Engineering	Dorin Sabin Copaci (Romania)	Research Assistant, University Carlos III of Madrid	2016/9/18~ 2016/12/18	Rehabilitation Robotics