

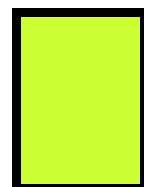
Monthly Report of Gifu University

April 2017 Vol. 716



AY 2016 Commencement Ceremony for Undergraduate and Graduate Students is held

AY 2016 Commencement Ceremony for Undergraduate and Graduate Students is held	0 1
Spring 2016 Degree Awarding Ceremony for Gifu University United Graduate School of Agricultural Science and United Graduate School of Veterinary Sciences is held	0 5
Gifu University and Gifu Prefecture co-host “Advanced IT Seminar - from Basics to Implementation of Deep Learning”	0 7
The 3rd Student Exchange Meeting among Schools Selected for Chubu District COC Project is held	0 9
Natural Products Chemistry International Symposium is held	1 1
Reporting session for “2016 Streamlining Efforts” by Administrative Staff is held	1 4
The 2nd Gifu University Alumni Association Meeting is held	1 6
The 1st River Basin Conservation Research Promotion Seminar is held	1 8
Center for Collaborative Study with Community	
AY 2016 Second-Half Internship Joint Report Session is held	2 0
McGill University, Canada and Gifu University signed a Memorandum of Understanding	2 2
Friendly baseball match is held with Kyoto University Baseball Club	2 3
UGSAS Sandwich Program Reporting Session and Completion Ceremony are held	2 6
Dr. Fumiaki Suzuki, Executive Director for International Affairs and Public Relations, and 4 other delegates visit University of Calgary and University of Alberta in Canada	2 8
The 11th Press Conference by the President is held	3 0
AY 2016 Certificate Presentation Ceremony for Gifu University Rearing Program for Basin Water Environmental Leaders is held	3 1
Degree Awarding	3 3
Foreign Researchers Accepted by Gifu University in March	4 3



AY 2016 Commencement Ceremony for Undergraduate and Graduate Students is held

A total of 1,790 students graduated from Gifu University

On March 25, 2017, AY 2016 Commencement Ceremony for Undergraduate and Graduate Students was held at Nagaragawa Convention Center. The numbers of students graduated are; 1,263 undergraduate students and 527 graduate students respectively.

President Hisataka Moriwaki offered the following message to the graduating students: “Those of you who are graduating today have studied fundamental and applied sciences at the various departments and graduate schools of Gifu University. However, the ways of thinking that you acquired there are not limited to the fields of your respective departments and programs. Rather, they can be applied broadly to the humanities, social sciences, and natural sciences as a whole and developed further. Together with the wisdom you have gained at Gifu University, I wish you to maintain lofty goals and a pioneering spirit, and begin to make contributions to society, the international community, and humankind at large.”

President Takashi Inagaki of Gifu Pharmaceutical University also gave a congratulatory message to the students.

On behalf of Gifu University students, Mr. Takao Ono of the School of Medicine, and Mr. Junpei Norisada of the United Graduate School of Drug Discovery and Medical Information Sciences read valedictory messages. Afterwards, Mr. Naoto Mori of the Faculty of Applied Biological Sciences and Mr. Yuta Taguchi of the Graduate School of Engineering made addresses in reply to their messages. The following are their messages: “With strong sense of responsibility and a flexible frame of mind, I am determined to contribute to society by translating our university’s ideals and spirit into reality.” “I will never forget my resolution today through making the best use of what I have learned at Gifu University, and I pledge to do my utmost in overcoming difficulties and hardships in the days to come bearing my resolutions in mind.”

During the ceremony, President Moriwaki also honored 16 students for their excellent academic achievements and one student for his outstanding research work which was highly praised in the scientific community or society.



President giving a speech



A student receiving her diploma
from the President.



Scene of the ceremony

President's Address at Commencement Ceremony for 2016

Let me start my address by offering sincere congratulations to the students who are graduating from Gifu University today, as well as to the faculty members who have guided and instructed the students towards this day. We are also pleased to welcome many of the students' families and those who have supported them during their life as students. Seeing such truly outstanding scene at the commencement ceremony gives me even more special happy feeling.

Gifu University was founded in 1949 and its history goes back to the "Gifu Prefectural Normal School," established in 1874. Thus, our University has a history of more than 140 years and has produced many outstanding alumni. They lead active roles in various fields including educational institutions, private corporations and governmental organizations, both in Japan and overseas. The faculties and graduate schools of Gifu University are highly rated not only in Japan, but also internationally due, of course, to the activities of our alumni. All of you, who have earned your diplomas today, will also play a part in these activities, but your true evaluation will depend on the roles you play in society in the future. Related to this concern, I would like to emphasize today it is essential all of you to have both global and regional perspectives.

I feel increasingly that no matter where we are or no matter what development stage we reach, it is education that provides the base for supporting a country, particularly a country that has scarce resources such as Japan. Of course, the focus of education in each academic field changes with time and, furthermore, the weight of each field among whole academic area will continue to change in the future. Such move applies not just to education but to a wide range of industries. Thus, it is essential to identify a position on what requires collaboration and on what and how to share our work, not only from the viewpoint of one local area or one country, but also from an international viewpoint. I want all of you to consider what social contribution you can make on a global scale, without limiting yourselves to your own research themes or your future plans.

Next, I would like to mention one of the most serious problems facing Japan, which is the decline in birth rate and increase in aging population, and their relationship with regional communities. This is the problem that developed countries will exactly confront sooner or later, and Japan is taking a leading place and serving as a model for their future. There are various approaches how to evaluate the happiness of living in a local

region. For instance, some people in Japan prefer to live alongside their family in the region where they were born and brought up. To meet their needs, it is essential to provide these people with job opportunities, medical services and public welfare. Furthermore, enrichment of education is a prerequisite for encouraging long—standing life in a region. Once again, I would like to repeat the importance of looking at various situations from both international and regional viewpoints.

As you proceed on the next stage of your long lives, I hope you to continue to have the courage to be pioneers in all sorts of areas, exploring them and making progress on your own. Do not be afraid of failure; decide what goals you wish to attain, and go forward. A great business leader in the Showa era said, “Even if you experience a failure, if you ultimately attain your goals, that will not have been a failure.” It is, however, important to observe those around you more than sufficiently, and properly think factors through. Using research as an example, a British scientist taught me, “Thinking, thinking, thinking, and one experiment.” I want you to have an intrepid fighting spirit, but mature, well-considered ideas that are backed up by it.

Those of you who are graduating today have studied fundamental and applied sciences at the various departments and graduate schools of Gifu University. However, the ways of thinking that you acquired there are not limited to the fields of your respective departments and programs. Rather, they can be applied broadly to the humanities, social sciences, and natural sciences as a whole and developed further. Together with the wisdom you have gained at Gifu University, I wish you to maintain lofty goals and a pioneering spirit, and begin to make contributions to society, the international community, and humankind at large. Whether in the near or distant future, I trust that somewhere on this planet, all of you will enjoy a measure of success toward those goals, and I hope to be able to witness them. Again, I extend my sincere congratulations to all of you.

March 25th, 2017

Hisataka Moriwaki

President of Gifu University

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

On March 13, 2017, Spring 2016 Degree Awarding Ceremony for Gifu University United Graduate School of Agricultural Science (UGSAS) and United Graduate School of Veterinary Sciences (UGSVS) was held at Gifu University Auditorium. The students who have completed doctoral programs or dissertation doctorate of the respective schools received their diplomas at the ceremony.

The ceremony was attended by presidents, executive directors and deans of Shizuoka University, Obihiro University of Agriculture and Veterinary Medicine, Iwate University and Tokyo University of Agriculture and Technology, all of which are the member universities of the united graduate schools. From Gifu University, President Hisataka Moriwaki, executive directors, vice presidents and deans of UGSAS and UGSVS were in attendance.

The number of students who have completed courses was:

UGSAS: 14 for doctoral program, 1 for dissertation doctoral

UGSVS: 15 doctoral program, 2 for dissertation doctoral



A student receiving a diploma from the
President



President giving a speech



UGSAS group photo



UGSVS group photo

Gifu University and Gifu Prefecture co-host “Advanced IT Seminar – from Basics to Implementation of Deep Learning”

On March 1 and 2, 2017, the Faculty of Engineering of Gifu University co-hosted an “Advanced IT Seminar – from Basics to Implementation of Deep Learning” with Gifu Prefectural Institute of Information Technology and IoT Acceleration Local Lab (also prefectural facility) targeting company employees.

Artificial intelligence (AI) is considered a major driving force to significantly transform business practices and society today. Participants of the seminar received training for the basics and implementation of “deep learning,” a core technology of AI. The major themes were “image sortation” and “machine learning,” both of which are anticipated to address issues like “scratch detection” and “abnormality detection and prediction” at manufacturing sites.

The Faculty of Engineering will open the new Research Center for Intelligence Science in April, 2017 and it is expected to play a pivotal role in advancing deep learning



Mr. Iida, Director of Gifu Prefectural Institute of Information Technology giving a speech



Professor Satoru Hayamizu of the Faculty of Engineering giving a lecture



Associate Professor Kunihiro Kato of the Faculty of Engineering giving a lecture



Mr. Tanahashi of Gifu Prefectural Institute of Information Technology giving a lecture



Participants at the seminar

The 3rd Student Exchange Meeting among Schools Selected for Chubu District COC Project is held

On March 1, 2017, Gifu University and Kanazawa Institute of Technology jointly hosted the 3rd Student Exchange Meeting among Schools Selected for Chubu District COC (MEXT's Center of Communities) Project at Juroku Plaza in front of JR Gifu Station (12 universities attended: 11 universities last year).

Participating universities are: Gifu University, Kanazawa Institute of Technology, Chubu University, Nagoya Gakuin University, Nihon Fukushi University, Mie University, Kogakkan University, Toyama Prefectural University, University of Fukui, Shizuoka University, the University of Shiga Prefecture and Kagawa University.* A total of 100 people attended.

In the exchange meeting, students from each university made presentations about their activities and achievements for this year and exchanged information at a poster session. Gifu University students introduced their research activities, information-gathering and planning of "Blossom Crown of Cyclamen Workshop" which was proposed by the students for "Local Specialty Agi Soba Buckwheat Noodle and Cyclamen Festival." The festival is held every year at Aki Region, Nakatsugawa City, Gifu Prefecture. These students took part in a class, "Regional Leader Training Advanced Class" of Next-Generation Regional Leader Fostering Program for one year.

Mr. Yoshihiko Narihara of Policy Planning and Human Resource Development Department of Hashima City Government delivered a speech as a guest speaker. Later Professor Keiichi Sato of Kanazawa Institute of Technology commented on special characteristics of each university. The meeting offered every participant a great opportunity to mingle with other students from different universities and get an insight into their activities. One of the students who made a presentation said, "I would definitely like to take part in a meeting next year because I was so impressed with other students' excellent presentations and many good, timely questions." This student exchange meeting will continue to be held from the next year onwards.

*Kagawa University participated in the meeting as an observer



Gifu University students



Presentation by a student



Meeting venue



Poster session

Natural Products Chemistry International Symposium is held

On March 2 and 3, 2017, United Graduate School of Agricultural Science (UGSAS) of Gifu University held a “Natural Products Chemistry International Symposium” at Gifu University.

The symposium was convened as part of International Consortium of Universities in South and Southeast Asia for the Doctoral Education in Agricultural Science and Biotechnology (IC-GU12) programs. Its major objectives are to build an extensive research network in natural products chemistry and life science, and to promote international cooperation aiming for robust and active social contribution.

On March 2, Professor Masateru Senge, Dean of UGSAS gave an opening speech, which was followed by a welcome message from Dr. Fumiaki Suzuki, Executive Director for International Affairs and Public Relations. Next, Professor Tohru Mitsunaga (also of UGSAS) introduced the background and purposes of the symposium to the audience.

Later, ten international researchers of Gifu University (university professors from Indonesia, Thailand, Viet Nam, Bangladesh and Canada), one researcher from Kyushu University, and one researcher from Ichimaru-Pharcos Co., Ltd. of Industry Subcommittee* made presentations about their latest achievements. Afterward, lively opinion exchange between the speakers and the audience (about 45 people) continued for some time.

On March 3, the participants visited Ichimaru-Pharcos Co., Ltd. (Motosu City, Gifu Prefecture), a major research and development base for natural raw material. The participants were invited to inspect laboratories and they shared the most up-to-date information concerning the themes of raw materials. The symposium ended with great success as an exchange program pursuing globalization.

The symposium was organized with support from Gifu Convention and Visitors Bureau.

The following are the names of speakers, nationalities and an affiliation:

[Indonesia]: Assis. Prof. Mohamad Rafi, Assis. Prof. Tuty Anggraini
Assis. Prof. Venty Suryanti, Assis. Prof. Harlinda Kuspradini,
Assoc. Prof. Irmanida Batubara

[Thailand]: Assoc. Prof. Khanitha Pudhom, Assis. Prof. Warinthorn Chavasiri

[Viet Nam]: Senior Lect. Do Thi Hoa Vien

[Bangladesh]: Assoc. Prof. Shamsun Nahar Khan

[Canada]: Prof. Derrick L.J. Clive

[Japan]: Assoc. Prof. Kuniyoshi Shimizu

[Ichimaru-Pharcos Co.Ltd, Gifu, Japan]: Dr. Arunasiri Iddamalgoda

*Industry Subcommittee: Composed of seven companies in the Tokai Region specializing in biological and biotechnological research and development. Its founding objective is to foster highly-skilled professionals



Group photo



Professor Senge giving a speech



International researcher making a presentation



Inspection of Ichimaru-Pharcos Co., Ltd.

Reporting session for “2016 Streamlining Efforts” by Administrative Staff is held

Gifu University has been putting a lot of effort to an initiative of streamlining and high efficiency of administrative work for years. On March 2, 2017, a reporting session was held to introduce achievements of each faculty staff for 2016.

Under an initiative of this year, “Reviewing administrative organizations and management,” each faculty implemented its own reform agenda by taking account of a start of new Graduate School of Natural Science and Technology, and reorganization of educational and research bodies of Gifu University in April, 2017.

Mr. Masaki Yokoyama, Executive Director for General Affairs and Finance, Vice President gave an opening speech, which was followed by presentations of seven faculty administrative staff members.

At the end of the session, President Hisataka Moriwaki said, “This is the third time for me to attend the session since I assumed the post of president. I believe that the staff’s efforts for downsizing and promotion of efficiency are bearing fruit every year. I hope that everyone works together for cost saving, but please bear it in mind that assigning right persons to right places are equally important.”

As a new program starting from this year, outstanding achievements by the staff which were presented at the session, will be honored at a later date.

Gifu University continues to strive to rationalize and improve administrative work by referring to the questions and opinions expressed during the latest reporting session



Mr. Yokoyama giving an opening speech



Staff making a presentation



President Moriwaki making a comment



President, members of the board and staff across faculties assembled for the session

The 2nd Gifu University Alumni Association Meeting is held

On March 6, 2017, Gifu University held the 2nd Gifu University Alumni Association Meeting.

The meeting started in 2016 with the following objectives:

- 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 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 alumni associations.

At the beginning of the meeting, Mr. Yoshinori Usui, Chair of Gifu University Alumni Association and President Hisataka Moriwaki of Gifu University gave opening speeches. Next, Dr. Fumiaki Suzuki, Executive Director for International Affairs and Public Relations and Vice President spoke about some ongoing projects and trends of Gifu University for the past six month.

After their speeches, Associate Professor Hiromune Ando of the Faculty of Applied Biological Sciences and Director of the Center for Highly Advanced Integration of Nano and Life Sciences (G-CHAIN) made a presentation entitled, “The Power of Chemistry - Unravel a mystery of sugar chain” to publicize the faculty’s unique research activity.

Lastly, Mr. Masaki Yokoyama, Executive Director for General Affairs and Finance introduced “Gifu University 70th Anniversary Project” to the participants.

After the meeting, an informal gathering was held at Dining Hall No.2 and many of the participants enjoyed talking for some time.

Gifu University continues to hold alumni association meetings and we will send invitation letters to the members when the meeting day nears. We all look forward to your attendance at the next meeting.



Mr. Usui giving a speech



President Moriwaki giving a speech



Associate Professor Ando giving a speech



Scene of the meeting



Participants enjoying talk

The 1st River Basin Conservation Research Promotion Seminar is held

“River basin areas,” are very close to our daily lives. They are deeply involved in human ecosystem in both rural, agricultural and urban areas as they have miscellaneous elements of nature such as forests, rivers and soils all of which are constantly interacting with one another.

Gifu University River Basin Research Center is promoting joint research programs with relevant communities and human resource development with the following goal in mind; create “water basin areas conservation studies” for realization of sustainable water basin areas through interdisciplinary research which includes comprehensive analysis and prediction of changes in river basin areas, ecosystem services and risk assessment against natural disasters, etc.

On March 6 and 7, 2017, as part of this effort, the 1st River Basin Conservation Research Promotion Seminar including an international symposium entitled, “International Symposium of River Basin Studies – Towards the Interdisciplinary Study for Sustainable Basin Environment and Human Well-Being -,” was held at Yanagido Campus, Gifu University.

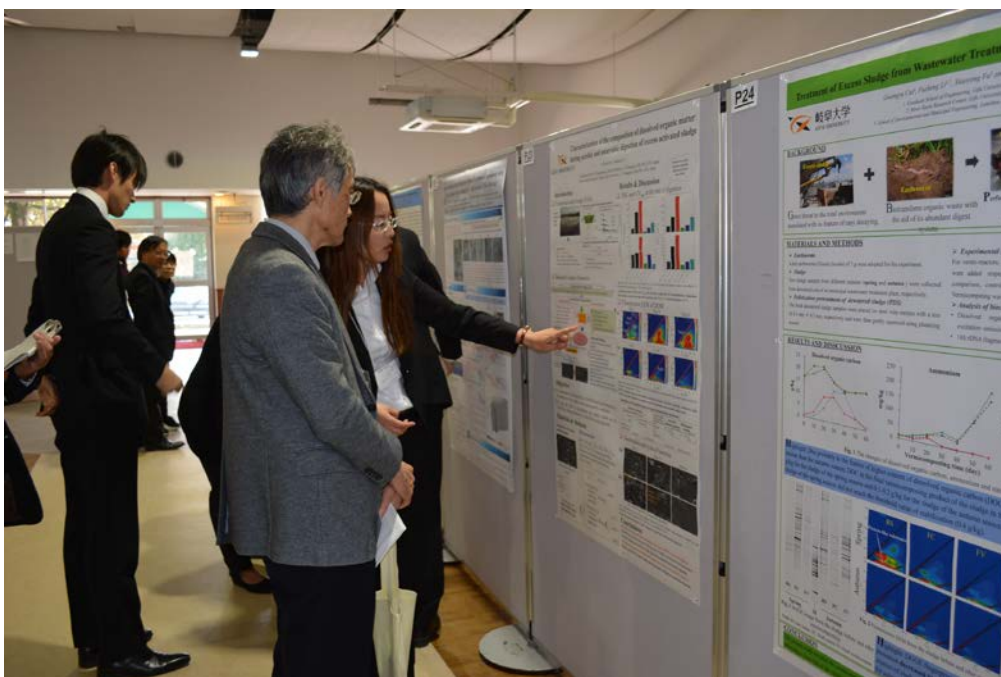
The symposium started with speeches by President Hisataka Moriwaki and Professor Yoshio Awaya, Director of the River Basin Research Center. Four special lectures including lectures by invited speakers from Indonesia, Australia and the United States followed. Later, 11 research activity reporting, 34 poster presentations in English, introduction of activities at Takayama Field Station, Gifu University Rearing Program for Basin Water Environmental Leasers (BWEL), and also activities at joint research support offices. A total of 69 people (of them, 28 were from other institutions, 13 were international students on and off campus) attended for two-day session. During the session, the participants exchanged opinions across academic fields, nation and regions and also made a number of proposals about new joint research projects among them.

The River Basin Research Center continues to facilitate joint activities with relevant communities and hold a similar seminar annually in an effort to develop Gifu

University's water basin conservation initiatives for the years to come.



Special lecture session by a guest speaker



Poster presentation

Center for Collaborative Study with Community
AY 2016 Second-Half Internship Joint Report Session is held

On March 8, 2017, the Center for Collaborative Study with Community held AY Second-Half Internship Joint Report Session.

Many Gifu University students take internship classes of a university-wide “Next-Generation Regional Leader Fostering Program” as well as practical business problem-solving classes today. The report session is designed to provide the students an opportunity to publicize their activities, and give their achievements back to local and business communities. Equally important objective of the session is to help students get inspirations from other participants and make new discoveries for their future careers.

On March 8, presentations were made for four different subjects that the center is offering to the students; three internship programs (Business Collaborative Type Internship II, Regional Collaborative Type Internship, and Project Type Internship), and Practical Business Problem-Solving Program (Business Leader Practice). A total of 60 people attended (22 from companies and municipalities accepting students, and 38 from Gifu COC+* Project Promotion Consortium)

Some of the company officials later gave the following messages: “We realized that internship programs serve as a bridge between students and companies, and are quite instrumental in developing human resources.” “While I was listening to the presentations, I strongly felt that all the students took part in the internship with great interest. They did not simply focus on obtaining credits.” The session also offered an opportunity to the companies in deepening their understanding about the students. Participating students made these comments: “I came to know the importance of getting my messages across to people through my presentation.” “After listening to the presentations of other students, I thought I must study harder to emulate them,” “I would like to try another internship program in the near future.”

In the session, a lot of questions were raised among participants. Students and company officials alike have gained a better understanding of each other as well as Gifu University’s ongoing initiatives. The university plans to hold a report session from the next year onwards.

COC+* (Center of Community Program for Local Revitalization) projects:

Projects of the Ministry of Education, Culture, Sports, Science and Technology (MEXT).

Their objectives include assembling people together to regions for revitalization by:

- offering attractive job opportunities to students in collaboration with universities, local governments and businesses and,
- supporting university's curriculum reform efforts necessary to cultivate personnel sought by regions.



A student making a presentation



A student raising a question



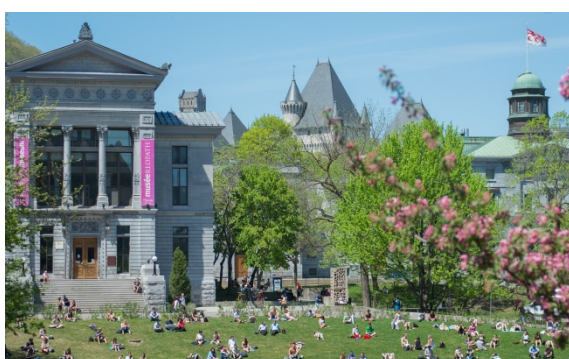
Company official making a comment

McGill University, Canada and Gifu University signed a Memorandum of Understanding

On March 8, 2017, McGill University, Canada and Gifu University signed a Memorandum of Understanding (MOU) to establish and foster collaborative relations.

Founded in 1821, McGill University is a public university in Montreal, Quebec, with 40,000 students. Its main campus is at the foot of Mount Royal in Montreal and its second campus, Macdonald, is near forested lands in Sainte-Anne-de-Bellevue, also on the Montreal Island. With a strong interdisciplinary focus, McGill University ranks among the finest research-intensive universities in the world.

Partnership between Gifu University and McGill University started in 2012 with active faculty exchanges between the Medical Education Development Center (MEDC), Gifu University, and the Centre for Medical Education, Faculty of Medicine, McGill University, primarily in the field of medical education. With the signing of the MOU, the two universities are expected to engage in more wide-ranging, robust exchanges in the future. These include faculty and staff exchanges in clinical practice training, implementation of joint research activities, participation in seminars and academic meetings, short- and medium-term research visits for graduate students and postdoctoral students, and exchanges of undergraduate students and academic materials.



Courtesy of McGill University

Friendly baseball match is held with Kyoto University Baseball Club

On March 9, 2017, a friendly baseball match was held between Gifu University Baseball Club and Kyoto University Baseball Club at Nagaragawa Baseball Stadium of Gifu Memorial Center. Kyoto University Baseball Club was invited to the match as part of Tokai Region University Baseball League Build-up Game.

The following are the honorary guests who gave opening speeches before the match:

- Professor Toru Tatsumi of the Faculty of Education, Gifu University (Manager of Gifu University Baseball Club)
- President Hisataka Moriwaki of Gifu University
- Mr. Shigemitsu Hosoe, Mayor of Gifu City
- Mr. Mikio Sugiyama, Honorary Chair, Gifu Shimbun Newspaper and President of Gifu Broadcasting System Inc.

After the speeches, a first-pitch ceremony took place. Mr. Hosoe (graduated from Kyoto University) stepped in as pitcher, and Mr. Sugiyama (graduated from Gifu Agricultural Technical College, the predecessor of Gifu University) was first at bat.

Rivalry between the two flared up, but a pitcher Hosoe got Sugiyama swinging.

Gifu University won the match against Kyoto University 5 to 3.

Both players and spectators enjoyed the match in a beautiful early spring day.



Professor Tatsumi (Manager of Gifu University Baseball Club) giving a speech



President Moriwaki giving a speech



Mr. Hosoe giving a speech



Mr. Sugiyama giving a speech



Mr. Sugiyama is at bat



Mr. Hosoe after the first-pitch ceremony



Group photo

UGSAS Sandwich Program Reporting Session and Completion Ceremony are held

On March 17, 2017, the United Graduate School of Agricultural Science (UGSAS) held a Sandwich Program Reporting Session and a Completion Ceremony with 17 people in attendance.

The Sandwich Program is designed to accelerate cooperation in the fields of education and research between Gifu University graduate schools and the member universities of IC-GU 12*. Under the program, Gifu University accepts students studying at a doctoral course of the 15 member universities, as special research students, and supervises them for six months.

In the reporting session, after a speech by Professor Kohei Nakano in charge of the program, two students from Assam University and two from Indian Institute of Technology, Guwahati (IITG) made presentations about their research work and life in Japan. Later, they actively engaged in discussions with Japanese students. In the Completion Ceremony, Professor Masanori Senge, Dean of UGSAS handed a sandwich program completion certificate and an enrollment certificate to each student.

This sandwich program offered a great opportunity for the participating students to learn how to write research dissertations. For Japanese students, they were also given a rare chance to have deeper understanding about different cultures through sharing some time with the research students. It is expected that the program will help Gifu University further expand international exchanges in the years to come.

In implementing the Sandwich Program, Gifu University was assisted by AY 2016 Study Abroad Support Program of Japan Student Services Organization (JASSO) in its instructions for special research students.

Sandwich Program Detail

1. Research instructions by professors in specialized fields are offered
2. Students can attend lectures at graduate schools of Gifu University (No recognition of credits, but enrollment certificates are issued)
3. Students can make research presentations at reporting sessions
4. Program completion certificates are issued
5. In case publishing the dissertations drawn up during their enrollment in Gifu University,
the dissertations are considered to be co-authored by the student and his / her supervisor

*IC-GU 12: International Consortium of Universities in South and Southeast Asia for the Doctoral Education in Agricultural Science and Biotechnology



Special research student making a presentation



Professor Senge handing a certificate to a student

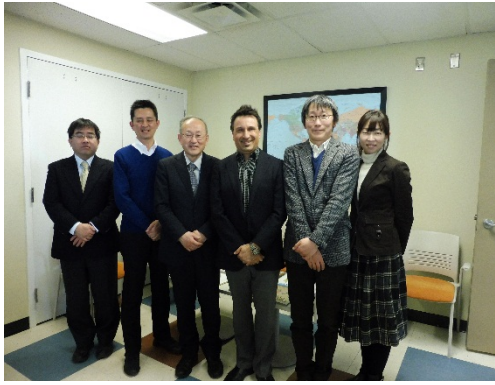
Dr. Fumiaki Suzuki, Executive Director for International Affairs and Public Relations, and 4 other delegates visit University of Calgary and University of Alberta in Canada

On March 20-22, 2017, Dr. Fumiaki Suzuki, Vice President and Executive Director for International Affairs and Public Relations visited the University of Calgary (U of C) and the University of Alberta (U of A) in Canada. Dr. Suzuki was accompanied by Dr. Mutsuhiro Shima, Professor and Head of Globalization Promotion Office (GPO) of the Faculty of Engineering (ENG), Dr. Kohei Nakamura, Associate Professor of the Faculty of Applied Biological Sciences (ABS), Mr. Raymond Co, Associate Professor of Gifu University Head Office for Globalization, and Ms. Emiko Kuze, administrative staff of GPO.

On March 20, Dr. Suzuki and his delegates attended English as a Second Language (ESL) class observations at the U of C prior to meeting with the English Language Program (ELS) staff including Mr. Yassin Boga, Associate Director of English Language Program and Ms. Ryoko Takada-Barrett, Program Manager. After the U of C's ELS programs were briefly introduced, various future opportunities for Gifu University (GU) students to study in the ESL programs at the U of C were discussed.

On March 21, both Dr. Suzuki and Dr. Steven Dew, Provost of the University of Alberta signed a Memorandum of Understanding between GU and the U of A for their university-level partnership. Subsequently the GU delegates attended a meeting with the ESL program staff members including Ms. Mimi Hui, Executive Director at the U of A's Faculty of Extension. After the ESL programs at the U of A were introduced, various possibilities for future partnerships including both student and faculty exchanges on the ESL programs were discussed. The first batch of 30 GU students is scheduled to attend the ESL programs at the U of A in Summer 2017.

On March 22, meetings with the Faculty of Science members were held at the U of A main campus. In the meeting with Dr. Renee Elio, Associate Dean of the Faculty of Science and Dr. Julie Naylor, Associate Dean of Programs & Operations, various opportunities for students and faculty exchanges particularly at the Graduate level were discussed. Then, the GU delegates met with Dr. Ratmir Derda, Assistant Professor of Chemistry and his Japanese graduate student who graduated from the Faculty of ABS at GU. Following that, the delegates met with Dr. Eric Rivard, Professor of Chemistry and were given a tour of his laboratory. Dr. Rivard will accept a GU's ENG student in his research group for one year starting from Fall 2017 under MEXT's "Tobitate! Japan Study-Abroad Program Scholarship." The university-level MoU is expected to further activate exchanges between the U of A and GU.



University of Calgary,



Faculty of Extension, University of Alberta



MoU Signing Ceremony, University of
Alberta



Meeting with Faculty of Science,
University of Alberta

The 11th Press Conference by the President is held

On March 21, 2017, President Hisataka Moriwaki gave a summary of a research project, “Development of Low-Cost Hydrogen Production Equipment for Fuel Cell Using Ammonia” in association with a “Gifu University Future Vision Toward 2025.” Later, Professor Shinji Kambara, Director of Next-Generation Energy Research Center explained the results and achievements of the project to the reporters.

Professor Kambara (Environmental and Renewable Energy Systems, Graduate School of Engineering) and Sawafuji Electric Co., LTD. (Gunma Prefecture) jointly developed the world’s first hydrogen production equipment that generates highly-purified hydrogen from ammonia at normal temperature, normal pressures and catalyst-free through plasma.

The technology to generate hydrogen from ammonia is expected to apply to fuel cell powered electric generators for industry and household use as well as fuel-cell cars by making hydrogen available wherever and whenever necessary in the future.



President Moriwaki explaining the Future Vision



Professor Kambara speaking to the reporters



Mr. Yoshikawa, President of Sawafuji Electric Co., LTD. explaining the project



A part of the developed equipment (plasma membrane reactor)

AY 2016 Certificate Presentation Ceremony for Gifu University Rearing Program for Basin Water Environmental Leaders is held

On March 25, 2017, AY 2016 Certificate Presentation Ceremony for Gifu University Rearing Program for Basin Water Environmental Leaders (BWEL) was held at Nagaragawa Convention Center. The ceremony was joined by President Hisataka Moriwaki, members of BWEL General Committee, supervisors and members of BWEL Promotion Office.

There are 5 students completed a doctoral course (1 Japanese, 3 Chinese, 1 Indonesian) and 16 completed a master's course (10 Japanese, 2 Chinese, 1 Indonesian, 2 Vietnamese and 1 Bangladeshi). Of them, one student completed the program in September, 2016.

President Moriwaki handed the certificate to each student and gave a congratulatory message to them in English.

On behalf of the students, Mr. Zuhud Rozaki (from Indonesia, doctoral course, the United Graduate School of Agricultural Science) and Mr. Masaya Toyoda (Japan, master's course, the Graduate School of Engineering) made their speeches in English in reply to the President.

Gifu University Rearing Program for Basin Water Environmental Leaders is designed to produce environmental leaders who can properly assess and evaluate issues related to the water environment from multiple perspectives. Such environmental leaders are expected to address problems of water quality, water resources and irrigation management and protection of ecosystem that Asia and Africa nations are facing today. They will plan and implement strategic solutions to these issues and prevent potential risks to the environment. For five year period from 2009 to 2013, the program was conducted under "Strategic Environmental Leader Development Base Project" financed by Science and Technology Strategy Promotion Fund of the MEXT (Ministry of Education, Culture, Sports, Science and Technology). Even after the period was over, Gifu University continues to implement the program by its own. A total of 157 students have completed the program since its start in 2009, and many of them have already been playing an active role as environmental leaders in many parts of Asia.



A student receiving a certificate
from the President



President giving an address



A student making a speech



A student making a speech



Group photo

Degree Awarding

Degree	Diploma Number	Name	Date of Degree Awarding	Dissertation Title
Ph.D. in Medical Sciences	Otsu ^{*2} -No. 1490	Shozo Yoshida	March 15,2017	A simplified chart for determining the initial loading dose of teicoplanin in critically ill patients
Ph.D. in Agricultural Science	Otsu ^{*2} -No. 148	Keitaro Sugiyama	March 13,2017	Studies on Integrated Pest Management (IPM) of Whitefly in Greenhouses
Ph.D. in Veterinary Science	Otsu ^{*2} -No. 149	Ryohei Ichimura	March 13,2017	Studies on Developmental Impairment of Kisspeptin Neuron and Delayed Effects on Female Reproductive Functions by Neonatal Exposure to Estrogen
Ph.D. in Veterinary Science	Otsu ^{*2} -No. 150	Kei Tamura	March 13,2017	Studies on Involvement of Constitutive Androstane Receptor (CAR) in Liver Hypertrophy and Hepatocarcinogenesis Induced by Fungicides
Ph.D. in Medical Sciences	Ko ^{*1} -No. 1033	Soichi Iritani	March 25,2017	Skeletal muscle depletion is an independent prognostic factor for hepatocellular carcinoma
Ph.D. in Medical Sciences	Ko ^{*1} -No. 1034	WANG TUYA	March 25,2017	A disturbance of intestinal epithelial cell population and kinetics in APC1638T mice
Ph.D. in Medical Sciences	Ko ^{*1} -No. 1035	Noritaka Ozawa	March 25,2017	Prospective randomized study of endoscopic biliary stone extraction using either a basket or a balloon catheter: the BasketBall study

Ph.D. in Medical Sciences	Ko ^{*1} -No. 1036	Koji Kameyama	March 25,2017	Enzalutamide inhibits proliferation of gemcitabine-resistant bladder cancer cells with androgen receptor expression
Ph.D. in Medical Sciences	Ko ^{*1} -No. 1037	Nobuyuki Kawai	March 25,2017	Usefulness of T2*-weighted MRI in the detection of adnexal torsion
Ph.D. in Medical Sciences	Ko ^{*1} -No. 1038	Hideo Sasai	March 25,2017	Single-nucleotide substitution T to A in the polypyrimidine stretch at the splice acceptor site of intron 9 causes exon 10 skipping in the ACAT1 gene.
Ph.D. in Medical Sciences	Ko ^{*1} -No. 1039	Shigenobu Sawada	March 25,2017	In models of intracerebral hemorrhage, rivaroxaban is superior to warfarin to limit blood brain barrier disruption and hematoma expansion.
Ph.D. in Medical Sciences	Ko ^{*1} -No. 1040	Yukichi Tanahashi	March 25,2017	Transcatheter Arterial Embolization for Primary Postpartum Hemorrhage: Predictive Factors of Need for Embolic Material Conversion of Gelatin Sponge Particles to N-Butyl Cyanoacrylate
Ph.D. in Medical Sciences	Ko ^{*1} -No. 1041	Asao Tanioka	March 25,2017	Effect of Bicyclic Pyrimidine Derivative (KRP-103), a Novel Selective Tachykinin NK1 Receptor Antagonist, on Bladder Function in Guinea Pigs
Ph.D. in Medical Sciences	Ko ^{*1} -No. 1042	Kenji Hisamatsu	March 25,2017	Galectin-3 expression in hippocampal CA2 following transient forebrain ischemia and its inhibition by hypothermia or antiapoptotic agents
Ph.D. in Medical Sciences	Ko ^{*1} -No. 1043	Kazufumi Fukuta	March 25,2017	Preventive effects of petoxifylline on the development of colonic premalignant lesion in obese and diabetic mice

Ph.D. in Medical Sciences	Ko *1-No. 1044	Takuro Matsumoto	March 25,2017	Analysis of tumor microenvironment in fluorescent protein expressing malignant lymphoma mouse model (1) A Color-coded Imageable Syngeneic Mouse Model of Stromal-cell Recruitment by Metastatic Lymphoma (2) Color-Coded Imaging of Syngeneic Orthotopic Malignant Lymphoma Interacting with Host Stromal Cells During Metastasis (3) A Mouse Model of Fluorescent Protein-expressing Disseminated Peritoneal Lymphoma for Fluorescence-guided Surgery
Ph.D. in Medical Sciences	Ko *1-No. 1045	Kimito Minami	March 25,2017	A retrospective examination of the efficacy of paravertebral block for patients requiring intraoperative high-dose unfractionated heparin administration during thoracoabdominal aortic aneurysm repair.
Ph.D. in Medical Sciences	Ko *1-No. 1046	Keita Yamauchi	March 25,2017	A novel nuclear factor erythroid 2-related factor 2 (Nrf2) activator RS9 attenuates brain injury after ischemia reperfusion in mice
Ph.D. in Medical Sciences	Ko *1-No. 1047	Kazunobu Asano	March 25,2017	Nonencapsulated Trichinella pseudospiralis infection impairs follicular helper T cell differentiation with subclass-selective decreases in antibody responses
Ph.D. in Regeneration and Advanced Medical Sciences	Ko *1-No. 1048	Tatsunori Kobayashi	March 25,2017	Studies on a development of statistical image analysis methods for torso FDG-PET images and automated staging schemes of hepatic fibrosis on EOB enhanced MRI images
Ph.D. in Engineering	Ko *1-No. 510	GUI HONGJIE	March 25,2017	Physicochemical properties and activated carbon adsorbability of natural organic matter released from different forest and agricultural soils
Ph.D. in Engineering	Ko *1-No. 511	Ryoichi Tanaka	March 25,2017	Lifetime extension of pier by strengthening using Ultra High Performance-Strain Hardening Cementitious Composite
Ph.D. in Engineering	Ko *1-No. 512	DU HAIXIA	March 25,2017	Treatment of vegetable waste by microbial fuel cell

Ph.D. in Engineering	Ko ^{*1} -No. 513	Kakuta Fujiwara	March 25,2017	Reinforcement method for coastal dyke using double sheet-pile against large earthquake
Ph.D. in Engineering	Ko ^{*1} -No. 514	Tomofumi Yamada	March 25,2017	One-dimensional extension of acetamidate-bridged dinuclear rhodium complexes by hydrogen bonds with several platinum complexes
Ph.D. in Engineering	Ko ^{*1} -No. 515	OXSIL VENRIZA	March 25,2017	Modification of Stationary Phase in Capillary Ion Chromatography for Separation of Inorganic Anions
Ph.D. in Engineering	Ko ^{*1} -No. 516	Itsuya Kawase	March 25,2017	Modification of eluent-induced stationary phases and fabrication of dendrimer-modified stationary phases in capillary liquid chromatography
Ph.D. in Engineering	Ko ^{*1} -No. 517	Nobuyuki Takayama	March 25,2017	Development of polar stationary phases and investigation of retention behavior in capillary liquid chromatography
Ph.D. in Engineering	Ko ^{*1} -No. 518	Yuki Maekawa	March 25,2017	Synthesis and Properties of Chiral Organophosphorus Compounds Originating from Binaphthyloxy-Substituted Phosphoroselenoyl Chlorides
Ph.D. in Engineering	Ko ^{*1} -No. 519	Toshiaki Miyata	March 25,2017	Self-collapsing of micro/nano pore in polymer solid and water
Ph.D. in Engineering	Ko ^{*1} -No. 520	Kirara Yamaguchi	March 25,2017	5-Aminochalcogenazoles: synthesis and properties

Ph.D. in Engineering	Ko *1-No. 521	Yuta Taguchi	March 25,2017	Multivariate Public Key Cryptosystems using Improved Square with Branch Structure's Family
Ph.D. in Engineering	Ko *1-No. 522	Akihiro Takeyama	March 25,2017	Leaching behavior of trace elements in fly ash and reduction techniques
Ph.D. in Engineering	Ko *1-No. 523	Kenji Marumo	March 25,2017	High-performance of waste-heat driven lithium bromide/water absorption heat pump
Ph.D. in Engineering	Ko *1-No. 524	Akira Suami	March 25,2017	Upgrading of low rank carbonaceous resources by thermal treatment
Ph.D. in Engineering	Ko *1-No. 525	Yukio Hayakawa	March 25,2017	Development of non-catalytic DeNOx treatment and hydrogen production device by atmospheric pressure plasma
Ph.D. in Engineering	Ko *1-No. 526	MYINT KYAW SOE	March 25,2017	Automatic Track Following System to Study Double Strangeness Nuclei in Nuclear Emulsion Exposed to the Observable Limit
Ph.D. in Agricultural Science	Ko *1-No. 661	Masakazu Nakayama	March 13,2017	Study on Development of Effective Seedling Production System for Year-Round Production of Tomato in Semi-Arid Region
Ph.D. in Agricultural Science	Ko *1-No. 662	LIU JIA	March 13,2017	Studies on Interaction between Allelopathy and Disease and Field Growth Regulation in Asparagus Decline

Ph.D. in Agricultural Science	Ko *1-No. 663	WU YINLING	March 13,2017	Study on Basic Structure of Corn Production and Distribution in China after High Economic Growth :A Case Study at Tongliao City in Inner Mongolia
Ph.D. in Agricultural Science	Ko *1-No. 664	XU WENBIN	March 13,2017	The Efficiency of Low-Quality Roughage Utilization on Ruminants: Researches on its Metabolic Mechanism
Ph.D. in Agricultural Science	Ko *1-No. 665	Saori Yamamoto	March 13,2017	Studies on Elucidation of Reproductive Physiology and Establishment of Sex Identification Method for Ex situ Conservation of Ptarmigan
Ph.D. in Agricultural Science	Ko *1-No. 666	Mei Matsuzaki	March 13,2017	Physiological Studies on the Oviductal Sperm-Storage in Japanese Quail (Coturnix japonica)
Ph.D. in Agricultural Science	Ko *1-No. 667	ZUHUD ROZAKI	March 13,2017	Economic and Social Study on Rainwater Harvesting in Karanganyar Regency, Central Java, Indonesia
Ph.D. in Agricultural Science	Ko *1-No. 668	ZHANG PENGFEI	March 13,2017	Effects of Salinity Stress on Growth, Yield and Water Use Efficiency of Tomato under Soilless Cultivation
Ph.D. in Agricultural Science	Ko *1-No. 669	Aya Ogata	March 13,2017	Synthesis and Gene Silencing Properties of Acyclic Alkynyl Nucleic Acids
Ph.D. in Agricultural Science	Ko *1-No. 670	Junpei Shimabukuro	March 13,2017	Basic Study on X-ray Crystal Structural Analysis of Protein Utilizing Seleno-sugar

Ph.D. in Agricultural Science	Ko *1-No. 671	WANG JI LI TE	March 13,2017	Study on Cholesterol Metabolism Improving Effect of Rice Bran Protein
Ph.D. in Agricultural Science	Ko *1-No. 672	Shiori Miura	March 13,2017	The Role of Transcriptomics: Physiological Equivalence Based on Gene Expression Profiles
Ph.D. in Agricultural Science	Ko *1-No. 673	Erina Kitagawa	March 13,2017	Relation between Accumulation of Lipid in Rat Liver and Disturbed Methionine Metabolism in Vitamin B6 Deficiency
Ph.D. in Agricultural Science	Ko *1-No. 674	Mutsutomo Tokizawa	March 13,2017	Genome-wide Studies on Structure of Arabidopsis Promoters and Application to a Promoter of Aluminum-activated Malate Transporter 1
Ph.D. in Agricultural Science	Ko *1-No. 675	Valentina Dwi Suci Handayani	March 31,2017	Integrated Weed Management of Glyphosate-Resistant Italian Ryegrass (<i>Lolium multiflorum</i> Lam.) in Japan
Ph.D. in Agricultural Science	Ko *1-No. 676	NIU LIYUAN	March 31,2017	Study on Growth-inhibitory Mechanism of Petit-High Pressure Carbon Dioxide Pasteurization Technology
Ph.D. in Veterinary Science	Ko *1-No. 475	Shino Yamasaki	March 13,2017	Study on the Developmental Stage-specific Cell Surface Protein of African Trypanosomes
Ph.D. in Veterinary Science	Ko *1-No. 476	HAOLIN ZHANG	March 13,2017	The Effect of Endocrine Disrupting Chemicals on Female Rat Reproductive System

Ph.D. in Veterinary Science	Ko *1-No. 477	Fumiaki Ihara	March 13,2017	Studies on Behavioral and Brain Pathological Changes in Mice Caused by Toxoplasma gondii and Neospora caninum Infections of the Central Nervous System
Ph.D. in Veterinary Science	Ko *1-No. 478	Kenichi Kinoshita	March 13,2017	Studies on The Mechanism of Cognitive Deficits in Mouse Model of Parkinson's Disease
Ph.D. in Veterinary Science	Ko *1-No. 479	Uday Kumar Mohanta	March 13,2017	Molecular Phylogenetic and Morphological Analyses of Important Parasites Affecting Livestock in Bangladesh
Ph.D. in Veterinary Science	Ko *1-No. 480	Kei Hayashi	March 13,2017	Studies on Molecular Phylogeny of Fasciola spp.and Explanatum explanatum Parasitizing the Bile Ducts of Ruminants in South Asia
Ph.D. in Veterinary Science	Ko *1-No. 481	Shinobu Tsuchiaka	March 13,2017	Study on Development and Application of Novel Pathogens Genome Detection Systems for The Control of Infectious Diseases in Cattle
Ph.D. in Veterinary Science	Ko *1-No. 482	Satoko Izume	March 13,2017	Comparison of Equine Herpesvirus Type 4 Genome and Characterization of Type II Membrane Protein US8A of Equine Herpesvirus Type 1
Ph.D. in Veterinary Science	Ko *1-No. 483	Kazuma Okada	March 13,2017	Elucidation of the Pathogenic Mechanism Involving Rabies Virus P protein Isoforms
Ph.D. in Veterinary Science	Ko *1-No. 484	Masami Maeda	March 13,2017	Studies on the Method to Generate Genetically Modified Microminipigs

Ph.D. in Veterinary Science	Ko *1-No. 485	Tomomi Kanazawa	March 13,2017	The Studies of the Novel Methods for Recipient Selection and Ultra-early Pregnancy Diagnosis Based on the Luteal Blood Flow in Dairy Cows
Ph.D. in Veterinary Science	Ko *1-No. 486	Telma Mary Nakata	March 13,2017	Echocardiographic Assessment of Effects of Cyclic Nucleotides Signaling Regulators in Animal Models of Heart Failure
Ph.D. in Veterinary Science	Ko *1-No. 487	Yui Kobatake	March 13,2017	Studies on Disease spectrum and the localization of misfolded mutant SOD1 protein in the spinal cords of SOD1-related canine degenerative myelopathy
Ph.D. in Veterinary Science	Ko *1-No. 488	Minami Baba	March 13,2017	Studies on the Mechanism of Toxoplasma gondii Selective Adhesion to and Egression from Host Cell
Ph.D. in Veterinary Science	Ko *1-No. 489	Yusuke Kimura	March 13,2017	Clinical and Pathological Studies of Feline Endomyocardial Form of Restrictive Cardiomyopathy
Ph.D. in Pharmaceutical Science	Ko *1-No. 36	Minami Kumazaki	March 25,2017	Perturbation of the Warburg effect increases the sensitivity of cancer cells to TRAIL-induced cell death
Ph.D. in Pharmaceutical Science	Ko *1-No. 37	Yuki Nomura	March 25,2017	Characterization of the expression and function of an ER stress-inducible cation transport regulator homolog 1
Ph.D. in Medical Science	Ko *1-No. 38	Teruaki Masutani	March 25,2017	Cynaropicrin is dual regulator for both degradation factors and synthesis factors in the cartilage metabolism

Ph.D. in Medical Science	Ko ^{*1} -No. 39	Hikomichi Akahori	March 25,2017	Molecular evolution of the Ten-eleven translocation protein (TET) gene family in mammals
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*1 Completed the study of the course

*2 Completed by dissertation only

Foreign Researchers Accepted by Gifu University in March

Faculty	Name (Country)	Title,University	Period	Research Title
School of Medicine	Rania Gamal Mostafa Abdelatif (Egypt)	Assistant Lecturer of Pediatrics, Faculty of Medicine, Sohag University	2017/3/1~ 2017/7/13	Studies on inherited Metabolic disorders
Faculty of Applied Biological Sciences	ZHANG WENMEI (China)	Lecturer, Ministry of Shaanxi, Xian University of finance and economics in China	2017/3/25~ 2018/3/24	Role of the Agricultural co-op for sustainable development of the local agriculture