

## Announcement of Student Exchange Support Program (Scholarship for Short-Term Study in Japan) FY2021

### Program Outline

Japan Student Services Organization (JASSO) offers scholarship for qualified international students who are accepted by a Japanese university under a student exchange agreement or other student exchange arrangement on a short-term basis for one year between Japanese university and their home higher educational institution outside Japan.

### Details of program

The title of program is “**The education and research leader upbringing program to environment preservation through Agri-Food Linkage**”. The students enroll as undergraduate special auditors or graduate special auditors and carry out research including laboratory work and field work under the guidance of a supervisor at Faculty of Agriculture, Yamagata University. Title of research is determined after discussion with the supervisor. The students also study some subjects such as seminar, intensive scientific English and Japanese language. Credit exchange between two universities is available. Tutors are assigned to each student for the purpose of giving special help outside of the classroom in order to promote his/her studies and research activities.



### Scholarship

Term: From September 2021 to August 2022 (12 months in total).

Source of Scholarship: Japan Student Services Organization (JASSO).

Monthly stipend: ¥80,000 x 12 months

## **Eligibility for Application**

The applicant must satisfy following conditions:

1. Applicants must hold the nationality of Republic of Indonesia.
2. We do not accept students who will graduate from Gadjah Mada University during the stay in Japan (September 2021 to August 2022).

## **Application Overview**

Japanese universities submit their yearly student exchange plans to JASSO. According to the yearly plan, JASSO will allocate the quota of scholarships to each Japanese university. Within this quota, Japanese universities will recommend their exchange students to JASSO. The student will be notified of the screening results through the Japanese host university. Recommendations will not be accepted from universities without any quota of scholarships. All applications must be processed through Japanese universities. Direct applications from overseas universities or students will not be accepted. Application deadlines for students will differ at each university. The applicant must contact the university to confirm the application schedule and the necessary documents.

## **Detailed Application Process (This schedule is subject to change.)**

5 February 2021

Announcement of program to Universitas Gadjah Mada

22 March 2021

Deadline of application to Yamagata University

Please see the list of supervisors for this program and select one supervisor.

Recruitment of applicants and submission of:

- (1) Curriculum vitae with formal photograph
- (2) Grade Transcript of UGM (Mater course student needs to submit both grade transcript of undergraduate and grade transcript of mater course)
- (3) Information of Applicants for 2021.

Grade Transcript of UGM must be written in English. Academic year and semester of each subject need to be shown in Grade Transcript or in additional note.

- (4) Recommendation letter (supervisor, head of department or dean of faculty)
- (5) Pledge

Please send the above mentioned five documents as PDF to Academic and Student Services (Gakumu) officer ([nogaku-ryug@jm.kj.yamagata-u.ac.jp](mailto:nogaku-ryug@jm.kj.yamagata-u.ac.jp)), a staff of international exchange division, until 22 March 2021.

Some days between 5 and 9 April 2021

Introduction of the program by Prof. Tawaraya, the coordinator of international exchange between UGM and Yamagata University with Zoom

Interview (oral examination) by each supervisor with Zoom.

Date of introduction and interview will be announced to all applicants until the end of March 2021.

19-23 April 2021

Nomination of 15 recipients based on the three submitted documents and the results of oral examination by eight supervisors. Decision of the scholarship recipients.

Early May 2021

Announcement of decision

June – August 2021

Preparation of visa application and airline ticket.

September 2021 to August 2022

Study at Faculty of Agriculture, Yamagata University, Tsuruoka, Japan.

Arrival in Japan may change due to the situations of COVID-19 in Japan and in Indonesia.

**Number of scholarship recipients: 15 students in total.**

Other eligibility for the application:

(1) Applicants must enroll in the 3rd or 4th year of undergraduate course or Master-course.

(2) Applicants must be registered as undergraduate students or master course students at UGM until the end of August, 2022.

(1st and 2nd year of undergraduate course and Ph.D. course students are not allowed to apply).

**Notes:**

1. Air ticket:

Airfare is not supported by this program.

2. Accommodation:

Shared type student dormitory will be available.

Boarding Expense: JPY10,000 – 20,000/person/month (approx. US\$100-200)

All other expenditures such as electricity, water, heating etc are not included in this expense.

**Other INQUIRES**

Academic and Student Services (Gakumu) officer ([nogaku-ryug@jm.kj.yamagata-u.ac.jp](mailto:nogaku-ryug@jm.kj.yamagata-u.ac.jp))

Program leader: Prof. Dr. Keitaro TAWARAYA ([tawaraya@tds1.tr.yamagata-u.ac.jp](mailto:tawaraya@tds1.tr.yamagata-u.ac.jp))

List of supervisor for Student Exchange Support Program (Scholarship For Short-Term Study In Japan) 2021

Name of Supervisor	Main Research Field	Acceptable Faculty	Acceptable Student	Research Outline	Student Intake
Prof. Dr. Keitaro TAWARAYA	Plant Nutrition and Soil Science	Fac Forestry, Fac Agriculture, Fac Agricultural Technology, Fac Mathematics and Natural Sciences, Fac Biology	Undergraduate or Master Course student	Utilization of mycorrhizal fungi for forestry, agriculture and phytoremediation. Mechanisms of low P tolerance of plant. Screening and utilization of endophytic fungi for plant growth. Utilization of organic soil phosphorus	2 or 3
Titles of recent research	1. Isolation of mycorrhizal fungi and endophytic fungi from open-cast mining land in Indonesia and their effects on plant growth 2. Low phosphorus tolerance of rice and soybean cultivars and their mechanism of phosphorus acquisition 3. Characterization of acid phosphatase released from extraradical hyphae of arbuscular mycorrhizal fungi				
Prof. Dr. Hideki MURAYAMA	Postharvest Biology and Technology	Fac Agriculture or Fac Agricultural Technology	Undergraduate or Master Course student	Postharvest storage, treatments and underpinning mechanisms, quality evaluation, packaging, handling and distribution of fresh food crops, but excluding research on grains and forage	1 or 2
Titles of recent research	1. Effect of short-term treatment of High CO <sub>2</sub> on ripening of banana fruit 2. Gene expression of alpha-amylase during maturation and ripening in pear fruit 3. Postharvest biology and technology of edamame.				
Prof. Dr. Weiguo CHENG	Plant Nutrition and Soil Science	Fac Forestry or Fac Agriculture	Undergraduate or Master Course student	Carbon and nitrogen dynamics in different terrestrial ecosystems; stable isotopes probing on bio-geochemical processes; greenhouse gas emissions with global warming; land use and management changes; organic farming; Azolla application; etc. <a href="http://www.tr.yamagata-u.ac.jp/~cheng/">http://www.tr.yamagata-u.ac.jp/~cheng/</a>	1 or 2
Titles of recent research	1. Changes in the pH, EC, available P, SOC and TN stocks in a single rice paddy after long-term application of inorganic fertilizers and organic matters in a cold temperate region of Japan 2. Azolla cover significantly decreased CH <sub>4</sub> but not N <sub>2</sub> O emissions from flooding rice paddy to atmosphere 3. Simulating the effects of soil temperature and moisture in the off-rice season on rice straw decomposition and subsequent CH <sub>4</sub> production during the growth season in a paddy soil.				
Prof. Dr. Toru WATANABE	Water Environment Engineering	Fac Forestry, Fac Agriculture, Fac Agricultural Technology, Fac Mathematics and Natural Sciences, Fac Engineering	Undergraduate or Master Course student	1. Waterborne and foodborne pathogens (e.g. human enteric virus, antibiotic-resistant bacteria) 2. Water management, especially wastewater reuse for irrigation 3. Human health risk assessment due to water and food contamination 4. Transportation of terrestrial trace metals	2 or 3
Titles of recent research	1. Detection and genetic analysis of antibiotic-resistant bacteria in water environment 2. Virus contamination of oysters as a cause of gastroenteritis 3. Agricultural reuse of treated wastewater and composted sludge from municipal wastewater treatment plant 4. Impact of treated wastewater irrigation on physicochemical properties of soil in paddy field 5. Characterization of natural organic matters contributing to metal transportation from forests to coastal area Other topics of research can be found at my website ( <a href="https://www.tr.yamagata-u.ac.jp/~water/e_profile.html">https://www.tr.yamagata-u.ac.jp/~water/e_profile.html</a> ).				
Associate Prof. Dr. Tomoyuki NABESHIMA	Plant pathology	Fac Agriculture, Fac Agricultural Technology, Fac Biology	Undergraduate or Master Course student	Our study now intends to resolving viroid disease problem in Agricultural production. Viroid is small, non-coding circular RNA pathogen that infect plant and cause diseases. Research topics include; plant-microbe interaction, breeding, evolutionary analysis of pathogens, practical management of viroid/viral diseases.	1 or 2
Titles of recent research	1. Seed transmission of viroids in tomatoes. 2. Viroid resistance in vegetables. 3. Molecular analysis of viroid progenies in cultivated vegetables. Other titles can be found in; <a href="https://scholar.google.com/citations?user=g6Z2duoAAAAJ">https://scholar.google.com/citations?user=g6Z2duoAAAAJ</a>				
Prof. Dr. Hiroto ENARI	Mammal Ecology and Management	Fac Agriculture, Fac Biology, Fac Forestry	Undergraduate or Master Course student	The key mission of our laboratory is to resolve human-wildlife conflicts, such as agricultural and property damage by increasing populations of terrestrial large mammals. For fulfilling our mission, we have been engaged in not only ecological studies for wild mammals through field surveys, but also policy researches contributing to appropriate wildlife management and conservation. For additional information, please visit our website at <a href="https://sites.google.com/view/hirotoenari/english?authuser=0">https://sites.google.com/view/hirotoenari/english?authuser=0</a> and check our recent academic papers. Key-words: mammal ecology, habitat evaluation procedures, GIS, population control, habitat management, wildlife damage management.	1
Titles of recent research	1. Daily and seasonal activity patterns of mammals in the Shonai area based on camera traps 2. Comparing ecological roles of seed dispersal by primates and carnivores in cool-temperate forests, northern Japan 3. Feasibility assessment of active and passive acoustic monitoring of sika deer populations				
Prof. Dr. Yoshihito SHIONO	Natural Products Chemistry	Fac Mathematics and Natural Sciences or Fac Pharmacy or Fac Agricultural Technology or Fac Agriculture	Undergraduate or Master Course student	We are screening fungal collection to discover new compounds that show biological activities like cytotoxicity, antimicrobial and so on. Main topics are 'isolation of natural products from fermentation broth of microorganisms' and 'structures determination of isolated natural products by means of update equipment like NMR and LCMS'.	1 or 2
Titles of recent research	1: New Polyketides, Paralactonic Acids A-E Produced by Paraconiothyrium sp. SW-B-1, An Endophytic Fungus Associated with A Seaweed, Chondrus ocellatus Holmes 2: A pyrrolic derivative produced by fungus Neonectria ramulariae In-2 isolated from a Beetle Holotrichia picea 3: New isocoumarins, naphthoquinones, and a cistanthane-type diterpene from Nectria pseudotrichia 120-1NP				
Associate Prof. Dr. Satoru SATO	Agricultural Ecology	Fac Agriculture, Fac Biology, Fac Forestry	Undergraduate or Master Course student	Utilization of function of organisms in agricultural ecosystem is the main theme of lab. We study on Farmaculture, Organic farming, AI, BSF from Ecological study point of view. See also for more information of lab member life at <a href="http://animalecologyyamada.wikisite.com/anieco">http://animalecologyyamada.wikisite.com/anieco</a>	2 or 3
Titles of recent research	1. Farmaculture/Organic production of crop based on FUNCTION OF ORGANISMS. 2. Evaluation of biodiversity in agricultural field based on ARTIFICIAL INTELLIGENCE. 3. Ecology of BLACK SOLDIER FLY.				
Total					15

Information of Applicants for 2021

Example

First Name	Middle Name	Family Name	Gender M or F	Age on 1 April, 2021	Academic Year on 1 April, 2021*	Specialization, Name of Laboratory, or Research Subject in detail at UGM	Name of Desired Japanese Supervisor (Select one supervisor from the list)	Reason to desire the supervisor
Taro		Yamadai	M	24	Undergraduate 4	I belong to the laboratory of Forest entomology, Department of Silviculture, Faculty of Forestry, UGM. Title of my master course thesis is "The role of suberization of jackfruit for pest control." Name of my supervisor at UGM is Dr. Joko Santoso	Example) Prof.Dr. Taro Tsuruoka	

\* Academic year 1, 2, 3 and 4 for undergraduate student, and 1 and 2 for graduated student.

First Name	Middle Name	Family Name	Gender M or F	Age on 1 April, 2021	Academic Year on 1 April, 2021*	Specialization, Name of Laboratory, or Research Subject in detail at UGM	Name of Desired Japanese Supervisor	Reason to desire the supervisor

## Pledge ( 誓約書 )

To: The Dean of Faculty of Agriculture, Yamagata University (山形大学農学部長 殿)

As an applicant for the Japan Student Service Organization Scholarship for Short-Term Study in Japan FY2021 through your University, I will pledge me to observe the following articles:

(私は、日本学生支援機構2021年度海外留学支援制度による奨学金留学生への応募にあたり、次の事項を必ず守ることを誓約します。)

(1) To apply for the Japan Student Service Organization Scholarship for Short-Term Study in Japan FY2021 through Yamagata University only and refrain from overlapping applications through any other Japanese universities.

(日本学生支援機構2021年度海外留学支援制度による奨学金への応募は、山形大学からの応募のみであること。決して、日本の他大学から重複して応募しないこと。)

(2) To refrain from applying to other scholarship for enrollment in other universities.

(他大学へ入学するための奨学金に決して応募しないこと。)

(3) To refrain from applying for the Japanese Government (Monbukagakusho) Scholarship through any university.

(日本政府(文部科学省)奨学金に決して併願しないこと。)

Date:

Applicant's Signature:

Applicant's Name Roman Block Capitals: