

Announcement of Student Exchange Support Program (Scholarship for Short-Term Study in Japan) FY2024

1. 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.

2. 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.



3. Scholarship

Term: From September 2024 to August 2025 (12 months in total).

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

Monthly stipend: ¥80,000 x 12 months

4. 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 Universitas Gadjah Mada or Universitas Padjadjaran during the stay in Japan (September 2024 to August 2025).

5. 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.

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

1 March 2024

Announcement of program to Universitas Gadjah Mada and Universitas Padjadjaran

12 April 2024

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) Information of Applicants for 2024

<https://forms.office.com/r/8V9eA1fN9k>

(2) Curriculum vitae in English with formal photograph

(3) Grade Transcript of University (Mater course student needs to submit both grade transcript of undergraduate and grade transcript of mater course).

※※It often needs to be resubmitted. Please check the following carefully before submitting.

1. Grade Transcript must be written in English.

2. Academic year and semester of each subject need to be shown in Grade Transcript or in additional note.

3. Explanation of the Grade also needs to be shown.

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

(5) Pledge

First, please fill out the form (1) and then send documents (2) ~ (5) as PDF to the email address below.

International Office, Faculty of Agriculture (yu-nogaku-ryug@jm.kj.yamagata-u.ac.jp)

*Send an email with "[JASSO2024] Your name" in the subject line.

Some days between 13 April and 6 May 2024

Documents evaluation and/or interview (oral examination) by each supervisor with Zoom.

Date of interview will be announced to all applicants by candidate supervisors

7 May 2024

Nomination of 18 recipients based on the three submitted documents and the results of oral examination by eight supervisors. Decision of the scholarship recipients.

Announcement of decision

8 May - 31 July 2024

Preparation of visa application and airline ticket.

Early September 2024

Arrival in Japan

Middle September 2024 to August 2025

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

7. Number of scholarship recipients: 18 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 Universitas Gadjah Mada or Universitas Padjadjaran until the end of August, 2025.

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

8. Notes:

8.1. Air ticket:

Airfare is not supported by this program.

8.2. Accommodation:

Shared type student dormitory will be available.

Boarding Expense: JPY15,000 - 20,000/person/month (approx. US\$100-200)

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

9. Other INQUIRES

International Office, Faculty of Agriculture (yu-nogaku-ryug@jm.kj.yamagata-u.ac.jp)

Program leader: Prof. Dr. Keitaro TAWARAYA (tawaraya@tdsl.tr.yamagata-u.ac.jp)

List of supervisors for Student Exchange Support Program 2024

Name: Prof. Dr. Keitaro TAWARAYA

Main research field: Plant nutrition and soil science

Number of acceptable students: 2 or 3

Research outline: 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

Title of recent research: 1. Isolation of mycorrhizal fungi and endophytic fungi from opencast mining land in Indonesia and their effects on plant growth 2. Low phosphorus tolerance of rice and soybean cultivars and their mechanisms of phosphorus acquisition 3. Characterization of acid phosphatase released from extraradical hyphae of arbuscular mycorrhizal fungi

Name: Prof. Dr. Hideki MURAYAMA

Main research field: Postharvest Biology and Technology

Number of acceptable students: 1 or 2

Research outline: Postharvest storage, treatments and underpinning mechanisms, quality evaluation, packaging, handling and distribution of fresh food crops, but excluding research on grains and forage

Title of recent research: 1. Studies on ripening characteristics of pear 2. Studies on carbohydrate metabolism and β -amylase activity in starch-containing crops during heating 3. Study on volatile compounds of grape berries

Name: Prof. Dr. Weiguo CHENG

Main research field: Plant Nutrition and Soil Science

Number of acceptable students: 1 or 2

Research outline: 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.

<http://www.tr.yamagata-u.ac.jp/~cheng/>

Title 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 CH₄ but not N₂O 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 CH₄ production during the growth season in a paddy soil.

Name: Prof. Dr. Toru WATANABE

Main research field: Water Environment Engineering

Number of acceptable students: 2 or 3

Research outline: 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 from forest to ocean through river and stream

Title 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 (https://www.tr.yamagata-u.ac.jp/~water/e_profile.html).

Name: Prof. Dr. Tatsuya ASHITANI

Main research field: Forest Products

Number of acceptable students: 1

Research outline: 1. Analysis of wood components for chemotaxonomy. 2. Development of new utilization method for woody wastes and wood components.

Title of recent research: 1. Chemotaxonomy of Japanese tree by terpenoid components 2. Anti-fungal and antitermite activities of terpenoid components in Japanese tree 3. Autoxidation of terpenoid and bioactivity of its products

Name: Prof. Dr. Yoshihito SHIONO

Main research field: Natural Products Chemistry

Number of acceptable students: 1 or 2

Research outline: 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'.

Title 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 pyrrocidine derivative produced by fungus *Neonectria ramulariae* In-2 isolated from a Beetle *Holotrichia picea* 3: New isocoumarins, naphthoquinones, and a cleistanthane-type diterpene from *Nectria pseudotrichia* 120-1NP

Name: Prof. Dr. Hiroto ENARI

Main research field: Mammal Ecology and Management

Number of acceptable students: 1

Research outline: 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 "<https://sites.google.com/view/hirotoenari/english?authuser=0>" and check our recent academic papers. Key-words: mammal ecology, habitat evaluation procedures, GIS, population control, habitat management, wildlife damage management.

Title 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

Name: Associate Prof. Dr. Satoru SATO

Main research field: Agricultural Ecology

Acceptable students: Undergraduate or Master Course student

Number of acceptable students: 2 or 3

Research outline: Utilization of function of organisms in agricultural ecosystem is the main theme of lab, e.g. Black Soldier Fly for its better use in 1. Waste management, 2. Agriculture and Fishery and 3. variety of Social activities in the relation to such key words, permaculture, kids education, ecosystem, other organism, such as fresh water snails, all very new and exciting.

Title of recent research: 1. Ecology of BLACK SOLDIER FLY and its utilization
2. Permaculture/Organic production of crop based on FUNCTION OF ORGANISMS.
3. New method in waste management related to kids education based on BSF.

Name: Associate Prof. Dr. Tomoyuki NABESHIMA

Main research field: Plant pathology

Number of acceptable students: 1 or 2

Research outline: 1. Viroid-plant interaction, investigating the mechanism of resistance against viroids or viruses. 2. Identify and characterize new viral species. 3. Practical management of viroid and virus disease. Please check below to find our recent progress.

<https://scholar.google.com/citations?user=g6Z2duoAAAAJ>

Title of recent research: 1. Viroid resistance in tomato.
2. Molecular characterization of novel viral species isolated from wild grape and blueberry.

Name: Assistant Prof. Dr. Yuri KIMURA

Main research field: Plant biochemistry

Number of acceptable students: 1

Research outline: We study the diversity and evolution of plant metabolism, with a particular focus on the biosynthesis of cell wall polymer lignin and related aromatic compounds.

Title of recent research: 1. Investigating the evolution of phenylpropanoid biosynthesis across land plant. 2. Exploring the diverse regulatory mechanisms governing phenylpropanoid metabolism across green plants.

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 FY2024 through your University, I will pledge me to observe the following articles:

(私は、日本学生支援機構2024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 FY2024 through Yamagata University only and refrain from overlapping applications through any other Japanese universities.

(日本学生支援機構2024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。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 during this program.

(本プログラム中は日本政府(文部科学省)奨学金に併願しないこと。)

Date:

Applicant's Signature:

Applicant's Name Roman Block Capitals:

[Example 1]

"Year" and "Semester" must be indicated on the transcript.



UNIVERSITAS GADJAH MADA

ACADEMIC TRANSCRIPT

2022/2023

Name : ██████████
Student Number : ██████████
Faculty : Faculty of Forestry
Study Program : Bachelor of Forestry
Academic Supervisor : ██████████

You can divide the courses by "semester".

1st Academic Year (2020)

Semester 1

No.	Code	Course	Credit	Grade
1	KTU1004	Practical Class of Mathematics and Statistics in Forestry	1	████████
2	KTU1022	Practical Class of Forest Soil Science	1	████████
3	UNU1000	Pancasila/ National Ideology	2	████████
4	KTU1001	Introduction to Forestry	2	████████
5	BDU1006	English Language	2	████████
6	BDU1005	Indonesian Language	2	████████
7	KTU1021	Forest Soil Science	2	████████
8	KTU1002	Biology of Forest	2	████████
9	KTU1041	Forest Ecology	2	████████
10	KTU1043	Forest Climatology and Hidrology	2	████████
11	KTU1003	Mathematics and Statistics in Forestry	2	████████

Semester 2

No.	Code	Course	Credit	Grade
1	KTU2001	Scientific Method	2	████████
2	KTU1023	Dendrology	2	████████
3	KTU1025	Tree Physiology	2	████████
4	KTU1013	Introduction to Forest Resource Economics	2	████████
5	KTU1045	Soil and Water Conservation	2	████████
6	KTU1011	Forest Surveying and Mapping	2	████████
7	KTU1005	Forest Biometrics	2	████████
8	KTU1046	Practical Class of Soil and Water Conservation	1	████████
9	KTU1031	Wood Anatomy and Identification	2	████████
10	KTU1044	Forest Resource Conservation	2	████████
11	KTU1032	Practical Class of Wood Anatomy and Identification	1	████████
12	KTU1012	Practical Class of Forest Surveying and Mapping	1	████████
13	KTU1042	Practical Class of Forest Ecology	1	████████
14	KTU1024	Practical Class of Dendrology	1	████████

[Example2]

"Year" and "Semester" must be indicated on the transcript.



UNIVERSITAS GADJAH MADA

TRANSKRIP NILAI ACADEMIC TRANSCRIPT Semester Gesal 2023/2024

Nama : ██████████
Name : ██████████
Nomor Induk Mahasiswa /
Student Number : ██████████
Fakultas /
Faculty : Pertanian
Program Studi /
Study Program : SI AKUAKULTUR
Dosen Pembimbing Akademik /
Academic Supervisor : ██████████

You can add "Year" and
"Semester" by hand or by
modifying the data.

No	Kode Code	Mata Kuliah	Courses	SKS Credit	Nilai Grade	Semester	Year
1	PIA20191151	Biologi Laut	Marine Biology	2	█	1	1
2	PIU20191101	Pengantar Ilmu Perikanan dan Kelautan	Introduction to Fisheries and Marine Sciences	2	█	1	1
3	PIM20191132	Litologi	Litology	2	█	1	1
4	PIM20191131	Ekologi Perairan	Aquatic Ecology	2	█	1	1
5	PII20191121	Mikrobiologi Perikanan	Microbiology of Fisheries	2	█	1	1
6	PIM20191133	Oseanografi	Oceanography	2	█	1	1
7	UNU20191102	Pendidikan Pancasila	Education on Indonesian Countryhood	2	█	1	1
8	UNU20191101	Bahasa Indonesia	Indonesian Language	2	█	1	1
9	UNU20191103	Pelatihan Pembelajaran Sukses Mahasiswa Baru	Success skills	1	█	1	1
10	PIU20191131	Praktikum Reairan	Laboratory Exercises of Aquatic	2	█	1	1
11	PIU20191151	Praktikum Tumbuhan Akuatik	Laboratory Exercises of Aquatic Plant	2	█	1	1
12	PMU20191203	Blokimia	Biochemistry	2	█	2	1
13	PMU20191204	Praktikum Blokimia	Laboratory Exercises of Biochemistry	1	█	2	1
14	PIA20191251	Avertebrata Air	Aquatic Invertebrates	2	█	2	1
15	PIA20191252	Iktiologi	Ichthyology	2	█	2	1
16	PIA20191261	Dasar-Dasar Genetika	Fundamentals of Genetics	2	█	2	1
17	PIA20191262	Dasar-Dasar Akuakultur	Fundamentals of Aquaculture	2	█	2	1
18	PIM20191241	Sosiologi Perikanan	Fisheries Sociology	2	█	2	1
19	PMa20191251	Statistika Pertanian	Statistics for Agriculture	2	█	2	1
20	PIA20191260	Hagang Budidaya Perikanan	Fisheries Cultivation Internship	1	█	2	1
21	PMU20191206	Bahasa Inggris Akademik	Academic English	2	█	2	1
22	UNU20191204	Pendidikan Kewarganegaraan	Civics Education	2	█	2	1
23	PIU20191251	Praktikum Hewan Akuatik	Laboratory Exercises of Aquatic Animal	2	█	2	1
24	PIM20191242	Dasar-Dasar Penangkapan Ikan	Fundamentals of Fishing	2	█	3	2
25	PIA201912151	Fisiologi Hewan Air	Physiology of Aquatic Animals	2	█	3	2
26	PIM201912131	Dasar-Dasar Manajemen Sumberdaya Perikanan	Fundamentals of Fisheries Resource Management	2	█	3	2
27	PMa201912153	Perancangan Percobaan	Experimental Design	3	█	3	2
28	PII201912121	Pengantar Bioteknologi Perikanan	Introduction to Fishery Biotechnology	2	█	3	2
29	PII201912111	Dasar-Dasar Teknologi Ikan	Fundamentals of Fish Technology	2	█	3	2
30	PII201912132	Biologi Perikanan	Fisheries Biology	2	█	3	2
31	PII201912141	Pengantar Ekonomi Perikanan	Introduction to Fisheries Economics	2	█	3	2