

Special Master's Program on Sustainable Food Production and Management

KAGAWA UNIVERSITY 2024

(Government-financed international student and self-financed international student)

The Graduate School of Agriculture of Kagawa University (Special Master's Course)

Application Guide

1. Program Objectives

Food security and environmental preservation are becoming increasingly important due to soaring food prices and climate change. This course has been designed to develop talented researchers with the expertise and skills to improve food self-sufficiency, protect the environment, and ensure food safety while fostering professional communication skills in Japanese and English, and business skills to work with Japanese organizations.

2. Academic Plan

- (1) The Special Master's Program on Sustainable Food Production and Management is a master's degree program. After completion of all the requirements for this two-year program, candidates will be awarded a master's degree from Kagawa University. Candidates will be required to acquire designated credits from the special course curriculum and achieve a passing score on the Japanese-Language Proficiency Test (JLPT) Level N2 or demonstrating a corresponding level of Japanese language ability and will be required to achieve a passing score on Common European Framework of Reference for Languages (CEFR) Level B2 or demonstrate a corresponding level of English language ability.
- (2) Most of the classes, research instruction and guidance are conducted in Japanese.

3. Field of Study

Applicants should refer to the List of Academic Staff and Research Specialization in this application guide and select three advisors in order of preference, from first to third.

4. Division and Number of Students

Division	Number of Students
Applied Biological and Rare Sugar Sciences	Three [3] government-financed international students (maximum of three [3] candidates per university) Three [3] self-financed international students (maximum of three [3] candidates per university)

Applicants from South East Asian countries designated for educational exchange and development by the the Ministry of Education, Culture, Sports, Science and Technology (MEXT) will be prioritized for selection as Japanese Government-financed students (i.e. MEXT Scholarship). Applicants should refer to the attached PDF. (Sheet 1: List of designated countries for

Japanese Government-financed students)

5. Period of Acceptance and Name of the Course

- ◆ From October 2024 to September 2026 (two years)
- ◆ Special Master's Program on Sustainable Food Production and Management, Graduate School of Agriculture

6. Qualifications/Entrance Requirements

(1) Qualifications: Currently enrolled at or have graduated from one of the following universities:

Bangladesh	Sher-e-Bangla Agricultural University, University of Dhaka
Brazil	State University of Londrina
Brunei	Universiti Brunei Darussalam
China	China Agricultural University, Jiangnan University, Nanjing Agricultural University, The University of Hong Kong, Tianjin Agricultural University, Zhejiang Gongshang University, Zhejiang University
United Kingdom	University of Nottingham
Indonesia	Bogor Agricultural University, Diponegoro University, Hasanuddin University, Universitas Gadjah Mada, Semarang State University
India	University of Delhi
Malaysia	Universiti Putra Malaysia
Taiwan	National Chiayi University
Turkey	Middle East Technical University
Thailand	Assumption University, Chiang Mai University, Chulalongkorn University, Kasetsart University, Maejo University, Silpakorn University
United States	Michigan State University, Oregon State University, University of California, Davis, Texas A&M University
Viet Nam	Can Tho University, Hanoi University of Science and Technology, Ho Chi Minh City University of Technology
Philippines	University of the Philippines Los Baños

Students from universities that have an academic exchange agreement with Kagawa University or that have been accepted by the Dean of Graduate School of Agriculture, Kagawa University are also eligible to apply.

(2) Eligibility:

1) Be a college graduate or be expected to graduate by September 30, 2024, have completed 16 years of formal education, and be recommended by the dean of their faculty and be able to submit a certificate of Japanese Language Proficiency corresponding to JLPT N4 level or higher. Government-financed students must submit the certificate via E-mail by early September

2024. Self-financed students must submit a certificate by July 15, 2024, or

2) Have been conferred a degree equivalent to a bachelor's degree by completing a course of at least three years of study at a foreign university or a school equivalent to a foreign university that have been approved by Ministry of Education, Culture, Sports, Science and Technology (MEXT), Japan. Government-financed students must submit the certificate via E-mail by early September 2024.

(3) Nationality: 【Government financed-students】 Applicants from the designated countries (South East Asian countries on the list of designated counties from the priority areas) . 【Self-financed student】 Non-Japanese

(4) Age: Applicants must be under 35 years old as of April 1, 2024. (Born on or after April 2, 1989).

(5) Health: Applicants must be physically and mentally healthy enough to study at university.

(6) Academic Performance:

Government-financed students must have a minimum average GPA of 2.30 (on a 3-point scale), for their highest completed academic degree (i.e. 4 years for bachelor's degree; 2 years for master's degree). Government-financed students must maintain a minimum average GPA of 2.30 for the period of government scholarship. If the GPA of government-financed students falls below 2.30 (on a 3-point scale), the scholarship will be revoked and tuition fees will be levied for the remaining semesters.

(Conversion chart)

	Grade				
4-level rating		A	B	C	F
		100 - 80	79 - 70	69 - 60	59 - 0
5-level rating	S	A	B	C	F
	A	B	C	D	F
	100 - 90	89 - 80	79 - 70	69 - 60	59 - 0
Grade Point	3	3	2	1	0

(GPA Formula)

$$\frac{([\text{No. of GP 3 Credits}] * 3) + ([\text{No. of GP 2 Credits}] * 2) + ([\text{No. of GP 1 Credits}] * 1)}{\text{Total Number of Registered Credits (including No. of GP 0 Credits)}}$$

- ※ If the applicants' university does not use the crediting system, the Admission Committee will calculate a GPA by converting subjects taken into credits based on the applicants' university rating system.
- ※ If the student is transferring, the number of credits after the transfer may be included.
- ※ Grades that are not included in the above table (e.g., "Certified", "Pass", etc.) will not be included.
- ※ Rounded off to the third decimal point

(7) Language:

- 1) Applicants must be able to communicate well in English.
- 2) Applicants must learn Japanese and English languages before coming to Japan. A level of Japanese language proficiency corresponding to JLPT Level N4* or higher is required. Also for English language proficiency, a corresponding to CEFR Level B1** or higher is required. Applicants that wish to apply for a government-financed studentship at the time of application, are required to submit proof of a passing score on JLPT Level N2*** or CEFR B2****-at the time of application.

- * Japanese Language Proficiency Test (JLPT) Level N4 - The ability to understand basic Japanese.
 Reading - One is able to read and understand passages on familiar daily topics written using basic vocabulary and kanji.
 Listening - One is able to listen to and generally understand conversations encountered in daily life provided that they are spoken slowly.
- ** Common European Framework of Reference for Languages (CEFR) Level B1 – Can understand the main points of clear standard input on familiar matters regularly encountered in work, school, leisure, etc. Can deal with most situations likely to arise whilst travelling in an area where the language is spoken. Can produce simple connected text on topics which are familiar or of personal interest. Can describe experiences and events, dreams, hopes & ambitions and briefly give reasons and explanations for opinions and plans.
- *** Japanese Language Proficiency Test (JLPT) Level N2- The ability to understand Japanese used in everyday situations, and in a variety of circumstances to a certain degree.
- **** CEFR Level B2 – Can understand the main ideas of complex text on both concrete and abstract topics, including technical discussions in his/her field of specialisation. Can interact with a degree of fluency and spontaneity that makes regular interaction with native speakers quite possible without strain for either party. Can produce clear, detailed text on a wide range of subjects and explain a viewpoint on a topical issue giving the advantages and disadvantages of various options.

Please refer to the following website:

【Japanese language】 <https://www.jlpt.jp/e/about/levelsummary.html>

【English language】

<https://www.coe.int/en/web/common-european-framework-reference-languages/table-1-cefr-3.3-common-reference-levels-global-scale>

To be eligible to be awarded a master's degree from Kagawa University, students must achieve a passing score on JLPT Level N2 or demonstrate a corresponding level of Japanese language ability. Students must submit a certificate proves CEFR Level B2 or demonstrate a corresponding level of English language ability. Students should study Japanese and English as follows. Those who are seeking assistance for a job-hunting from Kagawa university, are required to achieve a passing score on JLPT Level N3 or higher by September 2025.

【Government-financed students】

Period	Japanese language level	English language level
February 2024 Submission of Application ※You can use either one	You must submit a certificate that proves of passing score of JLPT N2 or higher.	You must submit a certificate that proves CEFR Level B2 or higher. (e.g., TOEFL iBT, TOEIC, IELTS etc)
By early September 2024 (Before coming to Japan)	You must submit a certificate that proves JLPT Level N4 or higher,	You must submit a certificate that proves CEFR Level B1 or higher

※To be admitted to graduate school of agriculture, you must submit both Japanese and English certificate.	or a certificate for Japanese language studies and evidence of proficiency ※If you did not submit a passing score of JLPT Level N2 at the time of application.	(e.g., TOEFL iBT, TOEIC, IELTS etc) ※If you did not submit a certificate proves CEFR Level B2 at the time of application.
The End of March 2025	A corresponding ability as JLPT Level N3 or higher	
September 2026	A corresponding ability as JLPT Level N2 or higher	You must submit a certificate that proves CEFR Level B2 or higher if you did not submit it at the time of application.

【Self-financed students】

Period	Japanese language level	English language level
February 2024 Submission of Application		You must communicate well in English.
By July 15, 2024 (Before coming to Japan) ※ To be admitted to the graduate school of agriculture, you must submit both Japanese and English certificate.	You must submit a certificate that proves JLPT Level N4 or higher, or a certificate for Japanese language studies and evidence of proficiency.	You must submit a certificate that proves CEFR Level B1 or higher, or a certificate for English language studies and evidence of proficiency. (e.g., TOEFL iBT, TOEIC, IELTS etc)
The End of March 2025	A corresponding ability as JLPT Level N3 or higher.	
September 2026	A corresponding ability as JLPT Level N2 or higher.	A corresponding ability as CEFR Level B2 or higher.

(8) Visa requirement: Upon acceptance, applicants will be required to acquire a “*ryuugaku* (Student) visa” prior to coming to Japan.

7. Screening before Application

Submit the following documents according to the procedures below on or before the deadline by E-mail, as applicable, to the Special Master's Program on Sustainable Food Production and Management Project Support Office (address below).

All forms must be type written in English or Japanese.

If the original documents are not written in English or Japanese, an English or Japanese translation must be attached.

[Stage 1, from September 19, 2023 to January 4, 2024]

(1) Application for Admission

(2) Academic record (transcript) issued by the university authority (certified copy)

The record must specify academic credits and grades for their highest completed academic degree (i.e. 4 years for bachelor's degree; 2 years for master's degree). All the credits should indicate which academic year that were acquired. If the record does not indicate a grading system of their university, a certified copy of grading system must be attached.

All applicants will be selected based on the submitted documents and interviews focusing on motivation, Japanese and English language ability, and a comprehensive understanding of the Special Master's Program on Sustainable Food Production and Management. The schedule of interview will be announced to all applicants individually by E-mail.

(3) Graduation Diploma or Certificate of Expected Graduation issued by the university authority (certified copy)

(4) If you are applying as a self-financed student you must submit documentation proving the

annual income of the previous fiscal year of their guarantor, such as certificate of income tax. Documentation showing the relationship between the applicant and guarantor is required.

(5) Photocopy of the applicant's passport

(6) Photocopy of a certificate of both Japanese and English Language Proficiency (If available)

All applicants will be notified the results by E-mail on January 15, 2024.

No inquiries regarding the results will be answered.

[Stage 2, from January 19, 2024 to January 26, 2024]

Only applicants that have successfully passed Stage 1 will be invited to participate in Stage 2.

All applicants will be selected based on the submitted documents and interview focusing on the proposed research work, study plan for Japanese and English language, and level of language. The schedule of interview will be announced to all applicants individually by E-mail.

All applicants will be notified the results by E-mail on January 29, 2024.

No inquiries regarding the results will be answered.

8. Application Procedure

Submit the following application documents by February 20, 2024 by Express Mail Service (EMS) to Special Master's Program on Sustainable Food Production and Management Project Support Office (address below).

All forms must type written in English or Japanese.

If any original documents are not written in English or Japanese, an English or Japanese translation must be attached.

[Procedure, from January 30, 2024 to February 20, 2024]

Documents	Remarks
(1) Application form	Use the prescribed form.
(2) Field of study and research plan	Use the prescribed form. All applicants are required to be in close contact with the prospective academic advisor of their choice, and the research proposal must be made in consultation with the prospective advisor.
(3) An abstract of the applicant's graduation thesis	Submit if the applicant has written thesis (A4, 2-3 pages.)
(4) Graduation Diploma issued by the university authority or an official form showing that the candidate is expected to graduate (Certified copy)	The document must specify graduation date or the expected date of graduation.
(5) Certificate of employment	If the applicant has employed. (Excluding internships and part-time employment).
(6) Academic record (Transcript) issued by the university authority	Official Transcript - copies will not be accepted.
(7) Certificate of citizenship issued by relevant authorities	Certified copy
(8) Certificate of Japanese Language JLPT Level N4 or higher, or a certificate for	Photocopy [Government-financed students]

Japanese language studies and evidence of proficiency.	Applicants must submit it by early September, 2024. If you have already submitted a certificate of JLPT Level N2 or higher at the time of application, you do not need to submit it. [Self-financed students] Applicants must submit it by July 15, 2024. If you have already submitted a certificate of JLPT Level N4 or higher at the time of application, you do not need to submit it.
(9) Certificate of English Language CEFR Level B1 or higher, or a certificate for English language studies and evidence of proficiency.	Photocopy [Government-financed students] Applicants must submit it by early September, 2024. If you have already submitted a certificate proves CEFR Level B2 or higher at the time of application, you do not need to submit it. [Self-financed students] You must submit it by July 15, 2024. If you have already submitted a certificate proves CEFR Level B2 or higher at the time of application, you do not need to submit it.
(10) Three 4.5×3.5cm photographs, hatless, showing the full face and upper torso, taken within 6 months of application.	The applicant's name and nationality written on the reverse side. One photograph should be pasted to the application form, as indicated.
(11) Pledge	Use the prescribed form. (a) Government-financed students form or (b) Self-financed students form
(12) A dean's letter of recommendation	Recommendation letter from the dean of the current university or the latest university attended.
(13) Entrance examination fee: 30,000 yen (one-time fee)	Government-financed students are exempt from the entrance examination fee. Self-financed Students must pay the Examination fee: 30,000 yen to the specified account by bank remittance.
(14) Other documents may be necessary; the Admission Committee will inform the applicants as required.	Follow the Admission Committee's instructions.

All applicants will be selected based on the submitted documents and the research program.
All applicants will be notified the result by EMS on February 27. (Date may change)

Agenda	Selection Procedure
September 15, 2023	Application Guide 2024 is available.
September 19, 2023 – January 4, 2024	Application period (E-mail) for Preliminary selection (Stage1)
September 19, 2023 – January 12, 2024	Preliminary selection (Stage1)

January 15, 2024	Announcement of Preliminary selection results by E-mail (Stage1)
January 19, 2024 – January 26, 2024	Preliminary selection (Stage2)
January 29, 2024	Announcement of Preliminary selection results by E-mail (Stage2)
January 30, 2024- February 20, 2024	Consultation with prospective advisor about research proposal
January 30, 2024- February 20, 2024	Application period for Application for admission (EMS)
February 21, 2024	Final selection
February 27, 2024 (Date may change)	Announcement of Final selection results (EMS)

9. School Fees

[Government-financed students]

Candidates receive a fee waiver and are exempt from the entrance examination fee, the admission fee and the tuition fees.

[Self-financed students]

Candidates are required to pay the entrance examination fee, the admission fee and the tuition fees.

Candidates can apply for an admission fee reduction and a tuition fee waiver. For details, please contact the Project Support Office.

- i) Entrance examination fee: 30,000yen (one-time fee)
- ii) Admission fee: 282,000 yen (one-time fee)
- iii) Tuition fee: 535,800 yen (per year for two years)

If the fees are changed during the period of enrollment, the new fees will apply.

10. Enrollment Date

October, 2024

11. Scholarship

[Government-financed students]

- (1) Government-financed students will receive a monthly scholarship of 144,000 yen for 24 months. (The monetary amount each year may be subject to change due to budgetary reasons)
- (2) The scholarship may be revoked or suspended under certain conditions, such as poor academic achievement, as determined by the appropriate university officials.

[Self-financed students]

The following Scholarships are available, but their availability are dependent on the candidates' individual situation (Contact the Project Support Office for details). Candidates will be informed about how to apply before or after enrollment at Kagawa University.

e.g. Scholarships from consortium companies,

Kagawa University International Exchange Foundation Scholarships,

Monbukagakusho Honors Scholarship for Privately-Financed International Students,

Scholarships from Private Foundations, etc.

12. Travel Expenses

[Government-financed students]

Candidates receive a travel reimbursement for point-to-point economy-class airline tickets between the nearest international airports for the sole purpose of traveling to and from Japan for study.

[Self-financed students]

Candidates are responsible for travel costs between their home country and the university.

13. Note

- (1) Incomplete documents, or documents arriving at Kagawa University after the deadline, will not be accepted.
- (2) All candidates are advised to learn as much as possible about Japanese culture, customs, climate and Kagawa University before leaving for Japan.
- (3) All candidates must be able to arrive in Japan by October 1, 2024.
- (4) Kagawa University is able to cooperate with the students by recommending appropriate accommodation facilities.
- (5) Kagawa University has established the "Security Export Control Regulations of Kagawa University" under the Security Export Control System based on the "Foreign Exchange and Foreign Trade Act (FEFTA)", and conducts strict screening of export of goods, provision of technology, and human resource exchange when accepting foreign students. If you are subject to this regulation or to FEFTA, you may not be accepted or your research activities may be restricted.

Inquiries and mailing address

Special Master's Program on Sustainable Food Production and Management Project Support Office

Graduate School of Agriculture, Kagawa University

2393 Ikenobe, Miki, Kita-gun, Kagawa 761-0795, JAPAN

E-mail: gakumu-a@kagawa-u.ac.jp

FAX: +81-87-891-3022

HP: <https://www.ag.kagawa-u.ac.jp/SFPM/>

List of Academic Staff and Research Specialization of Special Master's Program on Sustainable Food Production and Management		
【 Food Production 】		
Academic staff	Research Specialization	Keywords (HP)
TOYOTA Masanori	Crop Ecophysiology	Crop ecophysiology, Field crop, High yielding, Light quality, Water-saving culture, Yield determination https://www.ag.kagawa-u.ac.jp/english/?research=toyota-masanori
KAWASAKI Kiyonori	Animal Nutrition	Pig, Poultry, Rabbit, Microbiota, Insects for feed, Sustainable meat production https://www.ag.kagawa-u.ac.jp/english/?research=kawasaki-kiyonori
MATSUMOTO Yoshiki	Animal Science	Neuroscience, Intestinal villus, Microbiota, Trapping device, Red mite, Feeding environment and poultry health https://www.ag.kagawa-u.ac.jp/english/?research=matsumoto-yoshiki
MUTO Yukio	Agricultural Economics	Managerial resources, Managerial strengths, Constraints on farm management growth https://www.ag.kagawa-u.ac.jp/english/?research=muto-yukio
MOROKUMA Masahiro	Crop Husbandry	Crop, Rice, Unused resources, Sustainable agriculture, Organic cultivation https://www.ag.kagawa-u.ac.jp/english/?research=morokuma-masahiro
【 Horticultural Science 】		
Academic staff	Research Specialization	Keywords (HP)
OKUDA Nobuyuki	Vegetable Crop Science	Vegetable crops, Growth and development regulation, Raising of superior strain https://www.ag.kagawa-u.ac.jp/english/?research=okuda-nobuyuki
TAKAMURA Takejiro	Horticultural Breeding	Flower color, Flower pigment, inter-specific hybridization, polyploidy breeding https://www.ag.kagawa-u.ac.jp/english/?research=takamura-takejiro
BEPPU Kenji	Pomology	Peach, Plum, Cherry, Reproductive physiology, Breeding https://www.ag.kagawa-u.ac.jp/english/?research=beppu-kenji
KOSUGI Yusuke	Postharvest Horticulture	Postharvest quality, Flower longevity, Senescence, Ethylene (as a plant hormone), Gene expression https://www.ag.kagawa-u.ac.jp/english/?research=kosugi-yusuke
NARUMI Takako	Floriculture	Ornamental plant, Petal epidermal cell, Floral morphogenesis, flowering https://www.ag.kagawa-u.ac.jp/english/?research=narumi-takako
【 Environmental and Ecological Science 】		
Academic staff	Research Specialization	Keywords (HP)
ICHIMI Kazuhiko	Coastal Marine Science	Coastal environment, Estuary, Tidal flat, Biological production https://www.ag.kagawa-u.ac.jp/english/?research=ichimi-kazuhiko
ITO Fuminori	Insect Ecology	Ant, Diversity, Social structure, Invasive species, Tropical asia https://www.ag.kagawa-u.ac.jp/english/?research=ito-fuminori
YAMAGUCHI Hitomi	Coastal Biogeochemistry	Coastal ecosystem, Marine microalgal ecology, Nutrient dynamics https://www.ag.kagawa-u.ac.jp/english/?research=yamaguchi-hitomi
YAMADA Yoshihiro	Water Environmental Science	Water resources, Material circulation, Ecosystem, Stable isotope https://www.ag.kagawa-u.ac.jp/english/?research=yamada-yoshihiro
KOBAYASHI Tsuyoshi	Plant Ecology	Life history and ecophysiology of plants, Structure and dynamics of plant population, Vegetation shift and ecosystem function https://www.ag.kagawa-u.ac.jp/english/?research=kobayashi-tsuyoshi
TOYOTA Ayu	Soil Ecology	Soil invertebrates, Litter decomposition, Soil organic matter, Millipedes, Ecosystem engineers, Soil nutrient availability https://www.ag.kagawa-u.ac.jp/english/?research=toyota-ayu
YASUI Yukio	Evolutionary Ecology	Evolution, Adaptation, Sexual selection, Mating behavior https://www.ag.kagawa-u.ac.jp/english/?research=yasui-yukio
【 Biological Molecular Science 】		
Academic staff	Research Specialization	Keywords (HP)
SATO Masashi	Bioactive Natural Products Chemistry	Biologically active substance, C. elegans, Rare sugar, Anti-aging https://www.ag.kagawa-u.ac.jp/english/?research=sato-masashi
SUZUKI Toshisada	Bioresource Chemistry	Wood, Extractives, Bioactive substances, Biomass, Chemistry https://www.ag.kagawa-u.ac.jp/english/?research=suzuki-toshisada
FURUMOTO Toshio	Functional Phytochemistry	Natural product chemistry, Plant, Chemical structure, Biosynthesis, Bioactivity https://www.ag.kagawa-u.ac.jp/english/?research=furumoto-toshio
YANAGITA Ryo C.	Chemical Biology	Natural product, Tumor promoter, Analog synthesis, Recent research https://www.ag.kagawa-u.ac.jp/english/?research=yanagita-ryo
KONG Lingbing	Rare Sugar Organic Chemistry	Sugars, Rare sugars, Organic chemistry, Sugar transporters https://www.ag.kagawa-u.ac.jp/english/?research=kong-rimpin
HANAKI Yusuke	Organic and Bioregulation Chemistry	Natural product, Organic synthesis, Medicinal chemistry https://www.ag.kagawa-u.ac.jp/english/?research=hanaki-yusuke
【 Plant Science 】		
Academic staff	Research Specialization	Keywords (HP)
ICHIMURA Kazuya	Plant Functional Genomics and Plant Immunity	Plant immunity, Environmental stress, Signal transduction, Ralstonia solanacearum, Effector, Arabidopsis thaliana, Nicotiana benthamiana https://www.ag.kagawa-u.ac.jp/english/?research=ichimura-kazuya
GOMI Kenji	Plant Pathology	Jasmonate, Plant volatiles, Plant hormone, Rice https://www.ag.kagawa-u.ac.jp/english/?research=gomi-kenji
NOMURA Mika	Molecular Plant Nutrition	Symbiosis, Legume, Nodule, Nitrogen fixation https://www.ag.kagawa-u.ac.jp/english/?research=nomura-mika
KONISHI-SUGITA Saeko	Molecular Breeding in Plant	Rice, Seed shattering, Imaging, Breeding https://www.ag.kagawa-u.ac.jp/english/?research=sugita-saeko
MOCHIZUKI Susumu	Rare Sugar Molecular Biology	Rare sugars, Genetic functions, Plant biology, Microbiology, Plant-microbe interactions https://www.ag.kagawa-u.ac.jp/english/?research=motizuki-susumu

【Life Science and Biotechnology】		
Academic staff	Research Specialization	Keywords (HP)
KIMURA Yoshio	Microbial Physiology	Myxobacteria, Signal transduction, ATP synthesis, Novel microbial resources https://www.ag.kagawa-u.ac.jp/english/?research=kimura-yoshio
SUEYOSHI Noriyuki	Molecular and Cellular Biology	Protein kinase, Protein phosphatase, Zebrafish https://www.ag.kagawa-u.ac.jp/english/?research=sueyoshi-noriyuki
TANAKA Naotaka	Applied Microbiology	Fission yeast, Golgi apparatus, Secretory pathway, Agmatine, Glycoprotein https://www.ag.kagawa-u.ac.jp/english/?research=tanaka-naotaka
TABUCHI Mitsuaki	Applied Molecular Cell Biology	Yeast, Eisosome, Stress response, Pathogen effector https://www.ag.kagawa-u.ac.jp/english/?research=tabuchi-mitsuaki
WATANABE Akira	Microbial Biochemistry	Microorganism, Basidiomycetous mushroom, Enzyme, Protein, Gene, Autophagy https://www.ag.kagawa-u.ac.jp/english/?research=watanabe-akira
KATO Shiro	Rare Sugar Enzymology	Rare sugar, Microbial enzyme, Bacteria, Isomerase https://www.ag.kagawa-u.ac.jp/english/?research=kato-shirou
SUGIYAMA Yasunori	Animal Cell Biology	Signal transduction, Type 2 diabetes, Methodology https://www.ag.kagawa-u.ac.jp/english/?research=sugiyama-yasunori
MATSUZAWA Tomohiko	Enzymology	Enzyme, Sugar, Fungi, Yeast, Metagenome https://www.ag.kagawa-u.ac.jp/english/?research=matsuzawa-tomohiko
【Food Science】		
Academic staff	Research Specialization	Keywords (HP)
OGAWA Masahiro	Food Protein Functionalities	Olive, Rare sugar, Egg protein and polyphenol https://www.ag.kagawa-u.ac.jp/english/?research=ogawa-masahiro
KAWAMURA Osamu	Food Hygiene	Mycotoxin, Microcystine (algae toxin), Monoclonal antibody, Immunoaffinity column, ELISA, Food safety https://www.ag.kagawa-u.ac.jp/english/?research=kawamura-osamu
TAKATA Goro	Applied Microbiology & Enzyme Chemistry	Sugar and sugar related enzyme, Rare sugar, Oligosaccharide https://www.ag.kagawa-u.ac.jp/english/?research=takata-goro
MATSUO Tatsuhiro	Food Nutrition	Carbohydrate and fat metabolism, Nutrient, Rare sugar https://www.ag.kagawa-u.ac.jp/english/?research=matsuo-tatsuhiro
MORIMOTO Kenji	Applied Microbiology	Rare sugar, Enzyme, Separation of rare sugar https://www.ag.kagawa-u.ac.jp/english/?research=morimoto-kenji
YONEKURA Lina	Food Chemistry and Functionality	Digestion, Absorption, Bioactive compounds, Polyphenols, Carotenoids https://www.ag.kagawa-u.ac.jp/english/?research=yonekura%e3%80%80lina
YOSHIHARA Akihide	Applied Enzymology	Rare sugar, Microbe, Enzyme https://www.ag.kagawa-u.ac.jp/english/?research=yoshihara-akihide
Please refer to the URL below for more information: https://www.ag.kagawa-u.ac.jp/english/?page_id=105		

アジア地域	Asian Region
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東南アジア South East Asia

インドネシア	Indonesia
カンボジア	Cambodia
シンガポール	Singapore
タイ	Thailand
フィリピン	Philippines
ブルネイ	Brunei
ベトナム	Viet Nam
マレーシア	Malaysia
ミャンマー	Myanmar
ラオス	Laos

南西アジア South West Asia

インド	India
ブータン	Bhutan
スリランカ	Sri Lanka
ネパール	Nepal
パキスタン	Pakistan
バングラデシュ	Bangladesh
モルディブ	Maldives

東アジア East Asia

モンゴル	Mongolia
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大洋州地域	Oceania
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オーストラリア	Australia
サモア	Samoa
ソロモン諸島	Solomon Islands
トンガ	Tonga
ニュージーランド	New Zealand
クック諸島	Cook Islands
ニウエ	Niue
バヌアツ	Vanuatu
パプアニューギニア	Papua New Guinea
パラオ	Palau
フィジー	Fiji
キリバス	Kiribati
ツバル	Tuvalu
ナウル	Nauru
マーシャル	Marshall Islands
ミクロネシア	Micronesia

北米地域	North America
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米国	America
カナダ	Canada

欧州地域	European Region
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アイスランド	Iceland
アイルランド	Ireland
アゼルバイジャン	Azerbaijan
アルバニア	Albania
アルメニア	Armenia
イタリア	Italy
サンマリノ	San Marino
マルタ	Malta
ウクライナ	Ukraine
ウズベキスタン	Uzbekistan
英国	UK
エストニア	Estonia
オーストリア	Austria
コソボ	Kosovo
オランダ	Netherlands
北マケドニア	North Macedonia
カザフスタン	Kazakhstan
キプロス	Cyprus
ギリシャ	Greece
キルギス	Kyrgyz
クロアチア	Croatia
ジョージア	Georgia
スイス	Swiss
リヒテンシュタイン	Liechtenstein
スウェーデン	Sweden
スペイン	Spain
スロバキア	Slovak
スロベニア	Slovenia
セルビア	Serbia
モンテネグロ	Montenegro
タジキスタン	Tajikistan
チェコ	Czech
デンマーク	Denmark
ドイツ	Germany
トルクメニスタン	Turkmenistan
ノルウェー	Norway
ハンガリー	Hungary
フィンランド	Finland
フランス	France
アンドラ	Andorra
モナコ	Monaco
ブルガリア	Bulgaria
ベルギー	Belgium
ポーランド	Poland
ボスニア・ヘルツェゴビナ	Bosnia and Herzegovina
ポルトガル	Portugul
モルドバ	Moldova
ラトビア	Latvia
リトアニア	Lithuania
ルーマニア	Romania
ルクセンブルク	Luxembourg
バチカン	Vatican

中南米地域	Central and South America
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アルゼンチン	Argentine
ウルグアイ	Uruguay
エクアドル	Ecuador
コロンビア	Colombia
チリ	Chile
ガイアナ	Guyana
スリナム	Suriname
パラグアイ	Paraguay
ブラジル	Brazil
ベネズエラ	Venezuela
ペルー	Peru
ボリビア	Bolivia

中東地域	Middle East
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アフガニスタン	Afghanistan
アラブ首長国連邦	United Arab Emirates
イエメン	Yemen
イスラエル	Israel
パレスチナ	Palestine
イラク	Iraq
イラン	Iran
オマーン	Oman
カタール	Qatar
クウェート	Kuwait
サウジアラビア	Saudi Arabia
シリア	Syria
トルコ	Turkey
バーレーン	Bahrain
ヨルダン	Jordan
レバノン	Lebanon

アフリカ地域	African Region
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アルジェリア	Algeria
アンゴラ	Angola
ウガンダ	Uganda
エジプト	Egypt
エチオピア	Ethiopia
ガーナ	Ghana
シエラレオネ	Sierra Leone
リベリア	Liberia
ガボン	Gabonese
赤道ギニア	Equatorial Guinea
サントメ・プリンシペ	Sao Tome and Principe
カメルーン	Cameroon
チャド	chad
中央アフリカ	Central Africa
ギニア	Guinea
ケニア	Kenya
エリトリア	Eritrea
ソマリア	Somalia
コートジボワール	Cote d'Ivoire
トーゴ	Togo
ニジェール	Niger
コンゴ(民)	Democratic Republic of the Congo
コンゴ(共)	Congo
ザンビア	Zambia
ジブチ	Djibouti
ジンバブエ	Zimbabwe
スーダン	Sudan
セーシェル	Seychelles
セネガル	Senegal
カーボベルデ	Cabo Verde
ガンビア	Gambia
ギニアビサウ	Guinea-Bissau
タンザニア	Tanzania
チュニジア	Tunisia
ナイジェリア	Nigeria
ナミビア	Namibia
ブルキナファソ	Burkina Faso
ベナン	Benin
ボツワナ	Botswana
マダガスカル	Madagascar
コモロ	Comoros
マラウイ	Malawi
マリ	Mali
南アフリカ	South Africa
レソト	Lesotho
エスワティニ	Eswatini
南スーダン	South Sudan
モーリシャス	Mauritius
モーリタニア	Mauritania
モザンビーク	Mozambique
モロッコ	Morocco
リビア	Libya
ルワンダ	Rwanda
ブルンジ	Burundi