

# **Career Development Program on "Food Safety"**

## **KAGAWA UNIVERSITY 2020**

**( International students)**

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

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### **Application Guide**

#### **1. Program Objectives**

Kagawa University has developed a network of cooperating companies focusing on food and developing food resources overseas, to create the "Career Development Program on Food Safety". Developing "safe foods" requires the creation of a systematic approach that encompasses all aspects of the food industry, such as: training, harvesting, processing, production, distribution and sales. This program nurtures and develops talented, internationally minded people. Graduates will have strong managerial skills and a thorough understanding of management philosophy, as well as a working command of the Japanese language and an understanding of Japanese business culture.

Candidates must make a commitment in writing to seek professional careers in the consortium or participating companies after completion of this two-year Master's Course. Graduates of this program may not directly undertake doctoral or other studies at Kagawa University.

#### **2. Academic Plan**

- (1) The Career Development Program on Food Safety 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 achieving a passing score on the Japanese-Language Proficiency Test (JLPT) Level N2 or demonstrating a corresponding level of Japanese 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 fields )in this application guide and select three advisors in order of preference, from first to third.

#### **4. Division and Number of Students**

| <b>Division</b>                                  | <b>Number of Students</b> |
|--|---------------------------|
| <b>Applied Biological and Rare Sugar Science</b> | <b>*Six</b>               |

\*maximum of three [3] candidates per university

#### **5. Period of Acceptance and Name of the Course**

- ◆ **From October 2020 to September 2022 (two years)**
- ◆ **Career Development Program on Food Safety, 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 Banos  |

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: Be a college graduate that will graduate by September 30, 2020 (includes prospective graduates) and completed 16 years of schooling 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. You must submit a certificate via E-mail by September 10, 2020.

(3) Nationality: Foreign nationals

(4) Age: Applicants must be under 35 years old as of April 1, 2020. (Born on or after April 2, 1985).

(5) Academic Performance:

Applicants must have a minimum average GPA of 2.30 (on a 3-point scale) for the past two years of study.

(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)

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

※ No. = Number, GP = Grade Point

※ Rounded off to the third decimal point

※ If the applicants' university does not use a 4-level rating or 5-level rating system, the Admission Committee will calculate GPA in consideration of the university's rating system.

※ 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 University's rating system.

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

(7) Language:

1) Applicants must be able to communicate well in English or Japanese.

2) Applicants must achieve passing score on JLPT Level N4 or higher or have a verifiable equivalent language proficiency before coming to Japan. 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 \*\*B2 on Common European Framework of Reference for Languages (CEFR) at the time of application.

\* Japanese-Language Proficiency Test Level N2 - The ability to understand Japanese used in everyday situations, and in a variety of circumstances to a certain degree.

Please refer to the following website: <https://www.jlpt.jp/index.html>

\*\* Common European Framework of Reference for Languages (CEFR) Level B2 – The ability to interact with a degree of fluency and spontaneity that makes regular interaction with native speakers possible, etc.

Please refer to the following website:

[http://www.mext.go.jp/b\\_menu/houdou/30/03/1402610.htm](http://www.mext.go.jp/b_menu/houdou/30/03/1402610.htm) (Provided by MEXT)

To be eligible to be awarded master's degree from Career Development Program on "Food Safety" at Kagawa University, students must achieve a passing score on JLPT Level N2 or demonstrate a verifiable equivalent Japanese language proficiency. Students should study Japanese as follows.

| Period                      | Japanese language level   |
|-----------------------------|---|
| At the time of Application  | A corresponding ability as JLPT Level N5 or higher  |
| (Before coming to Japan)    | A corresponding level as JLPT Level N4 or higher  |
| Beginning of September 2020 | ※ Required to possess a passing score corresponding JLPT N4 to be admitted to Graduate School of Agriculture. |
| Beginning of December 2020  | Required to take JLPT Level N3 or higher level  |
| The End of February         | Required to achieve JLPT Level N3 or higher, otherwise, students will not be able to take required            |

|               |   |
|---------------|---|
|               | subjects for Career Development Program on "Food Safety".                                       |
| July 2021     | Required to take JLPT Level N2 or higher  |
| December 2021 | Required to take JLPT Level N2 or higher  |
| July 2022     | Required to take JLPT Level N2 or higher and achieve a passing score on JLPT Level N2 or higher |

- (8) Applicants must demonstrate a strong desire to work at consortium companies or participating companies.
- (9) 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 Career Development Program on "Food Safety" Project Support Office (address below).

*All forms must be filled out in English or Japanese using a typewriter or word processor.*

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

[Stage 1, from August 19, 2019 to December 13, 2019]

- (1) Application for Admission
- (2) Academic record (transcript) issued by the university authority (certified copy)  
*The record must specify academic credits and grades for the past two years. 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 Career Development Program on "Food Safety". 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) Applicants must submit documentation proving the annual income of last 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

All applicants will be notified the results by E-mail on January 8, 2020.

No inquiries regarding the results will be answered.

[Stage 2, from January 9, 2020 to January 23, 2020]

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 language, and level of language (Japanese and English). 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 27, 2020.  
No inquiries regarding the results will be answered.

## 8. Application Procedure

Submit the following application documents by February 27, 2020 by Express Mail Service (EMS) to Career Development Program on "Food Safety" Project Support Office (address below).

*All forms must be filled out in English or Japanese using a typewriter or word processor.*

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

[Procedure, from January 28, 2020 to February 27, 2020]

| Documents   | Remarks   |   |
|---|---|---|
| (1) Application form  | Use the prescribed form.  |   |
| (2) Field of study and research program   | 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) Japanese Language Proficiency Test Certificate or a certificate for Japanese language studies and evidence of proficiency<br>※You must submit a certificate of Japanese proficiency test corresponding JLPT N4 by September 10, 2020. | Photocopy   | Certificates of both Japanese and English are required. |
| (9) English language proficiency test certificate (e.g., TOEFL, TOEIC)  | Photocopy   |   |
| (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.  |   |
| (12) A dean’s letter of recommendation  | Recommendation letter from the dean of the current university or the last university attended.  |   |
| (13) Certificate of Health issued within 6 months of application  | Use the prescribed form.  |   |
| (14) Entrance examination fee: 30,000 yen (one-time fee)  | Pay to the specified account by bank remittance.  |   |

|  |  |
|--|--|
| (15) 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 March 6, 2020. (Date may change)

| Agenda                                | Selection Procedure  |
|---------------------------------------|--|
| August 2, 2019                        | Application Guide 2020 is available.                             |
| August 19, 2019 – December 13, 2019   | Application period (E-mail) for Preliminary selection (Stage1)   |
| December 16, 2019 – December 27, 2019 | Preliminary selection (Stage1)                                   |
| January 8, 2020                       | Announcement of Preliminary selection results by E-mail (Stage1) |
| January 9, 2020 – January 23, 2020    | Preliminary selection (Stage2)                                   |
| January 27, 2020                      | Announcement of Preliminary selection results by E-mail (Stage2) |
| January 28, 2020- February 27, 2020   | Consultation with prospective advisor about research proposal    |
| January 28, 2020- February 27, 2020   | Application period for Application for admission (EMS)           |
| February 28, 2020 - March 4, 2020     | Final selection  |
| March 6, 2020 (Date may change)       | Announcement of Final selection results (EMS)                    |

## 9. School Fees

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: 30,000 yen (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, 2020

## 11. Scholarship

The following Scholarships are available, but their availabilities are dependent on the candidates' individual situation (Please contact the Project Support Office). 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 by Private Foundations etc.

Kagawa University is scheduled to apply for an allocation for government-financed foreign students (MEXT Scholarship) for this program in 2019. If the program is approved by MEXT for

allocations, number of government-financed foreign students will be selected from those who have passed the preliminary selection (stage 2) and certification of English language skill of the Common European Framework of Reference for Languages (CEFR) Level B2 (IELTS; 5.5 or higher, TOEFL iBT; 72 or higher, TOEIC L&R+TOEIC S&W; 1560 or higher) or possess JLPT N2. Government-financed foreign students will receive a monthly scholarship of 144,000 yen (FY2019) for 24 months (The monetary amount each year may be subject to change according to MEXT policy). The schedule and number of students have not yet been determined.

## **12. Travel Expenses**

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, 2020. If Kagawa University is approved by MEXT for government scholarship allocations, the date of arrival may change. Notification of any changes in the date will be sent by E-mail.
- (4) Kagawa University will cooperate with the students by recommending appropriate accommodation facilities.

## **Inquiries and mailing address**

### **Career Development Program on "Food Safety" Project Support Office**

Graduate School of Agriculture, Kagawa University

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

E-mail: [agakum5@jim.ao.kagawa-u.ac.jp](mailto:agakum5@jim.ao.kagawa-u.ac.jp) and [agakum7@jim.ao.kagawa-u.ac.jp](mailto:agakum7@jim.ao.kagawa-u.ac.jp)

FAX: +81-87-891-3022

HP: <https://www.ag.kagawa-u.ac.jp/asiajinzai/english/index.html>

## LIST OF ACADEMIC STAFF AND RESEARCH FIELDS

|  | Research Fields                                  |   |
|--|--|---|
| ◆ Food Production  |  |   |
| <b>Prof. TOYOTA Masanori</b><br>toyota@ag.kagawa-u.ac.jp             | Crop Ecophysiology                               | Ecophysiology on yield determination of field crops<br><a href="https://www.ag.kagawa-u.ac.jp/?page_id=21539&amp;t=1106">https://www.ag.kagawa-u.ac.jp/?page_id=21539&amp;t=1106</a>  |
| <b>Assoc. Prof. MATSUMOTO Yoshiki</b><br>myoshiki@ag.kagawa-u.ac.jp  | Animal Science                                   | Neurobiological aspects on Animal production science<br><a href="https://www.ag.kagawa-u.ac.jp/?page_id=21539&amp;t=1273">https://www.ag.kagawa-u.ac.jp/?page_id=21539&amp;t=1273</a>   |
| ◆ Horticultural Science  |  |   |
| <b>Prof. YANAGI Tomohiro</b><br>yanagi@ag.kagawa-u.ac.jp             | Greenhouse Production                            | Effect of light quality on plant growth and morphogenesis<br><a href="https://www.ag.kagawa-u.ac.jp/?page_id=21539&amp;t=1616">https://www.ag.kagawa-u.ac.jp/?page_id=21539&amp;t=1616</a>  |
| ◆ Biological Molecular Chemistry                                     |  |   |
| <b>Prof. SATO Masashi</b><br>sato@ag.kagawa-u.ac.jp                  | Bioactive Natural Products Chemistry             | Biologically active natural products and their mechanisms of action<br><a href="https://www.ag.kagawa-u.ac.jp/?page_id=21539&amp;t=1946">https://www.ag.kagawa-u.ac.jp/?page_id=21539&amp;t=1946</a>  |
| <b>Prof. FUKADA Kazuhiro</b><br>fukada@ag.kagawa-u.ac.jp             | Biophysical Chemistry & Colloid Science          | Physicochemical properties and industrial applications of various types of colloidal systems<br><a href="https://www.ag.kagawa-u.ac.jp/?page_id=21539&amp;t=1976">https://www.ag.kagawa-u.ac.jp/?page_id=21539&amp;t=1976</a>                         |
| ◆ Plant Science  |  |   |
| <b>Prof. NOMURA Mika</b><br>nomura@ag.kagawa-u.ac.jp                 | Molecular Plant Nutrition                        | Plant-microbe interaction in legume plant<br><a href="https://www.ag.kagawa-u.ac.jp/?page_id=21539&amp;t=2755">https://www.ag.kagawa-u.ac.jp/?page_id=21539&amp;t=2755</a>  |
| ◆ Life Science and Biotechnology                                     |  |   |
| <b>Prof. SAKURABA Haruhiko</b><br>sakuraba@ag.kagawa-u.ac.jp         | Enzyme Engineering                               | Molecular biology and biochemistry of extremophiles<br><a href="https://www.ag.kagawa-u.ac.jp/?page_id=21539&amp;t=3131">https://www.ag.kagawa-u.ac.jp/?page_id=21539&amp;t=3131</a>  |
| <b>Prof. WATANABE Akira</b><br>akiraw@ag.kagawa-u.ac.jp              | Microbial Biochemistry                           | Molecular biology and biochemistry of mushrooms<br><a href="https://www.ag.kagawa-u.ac.jp/?page_id=21539&amp;t=3320">https://www.ag.kagawa-u.ac.jp/?page_id=21539&amp;t=3320</a>  |
| ◆ Food Science   |  |   |
| <b>Prof. OGAWA Masahiro</b><br>ogawa@ag.kagawa-u.ac.jp               | Food Protein Functionality                       | Biochemical research of food proteins<br><a href="https://www.ag.kagawa-u.ac.jp/?page_id=21539&amp;t=3389">https://www.ag.kagawa-u.ac.jp/?page_id=21539&amp;t=3389</a>  |
| <b>Prof. KAWAMURA Osamu</b><br>kawamura@ag.kagawa-u.ac.jp            | Food Hygiene                                     | Development and application of immunological methods for mycotoxins, and food contamination and human exposure of<br><a href="https://www.ag.kagawa-u.ac.jp/?page_id=21539&amp;t=3435">https://www.ag.kagawa-u.ac.jp/?page_id=21539&amp;t=3435</a>    |
| <b>Prof. TAKATA Goro</b><br>goro@ag.kagawa-u.ac.jp                   | Applied Microbiology & Enzyme Chemistry          | Molecular biology of sugar related enzyme genes. Production of rare sugars using microbial and enzymatic reactions<br><a href="https://www.ag.kagawa-u.ac.jp/?page_id=21539&amp;t=3536">https://www.ag.kagawa-u.ac.jp/?page_id=21539&amp;t=3536</a>   |
| <b>Prof. TAMURA Hirotoshi</b><br>tamura@ag.kagawa-u.ac.jp            | Molecular Nutrition & Chemistry on Food material | Chemistry and molecular nutrition of functional foods including coloring materials and flavor substances<br><a href="https://www.ag.kagawa-u.ac.jp/?page_id=21539&amp;t=3466">https://www.ag.kagawa-u.ac.jp/?page_id=21539&amp;t=3466</a>             |
| <b>Assoc. Prof. MORIMOTO Kenji</b><br>morimoto@ag.kagawa-u.ac.jp     | Applied Enzymology                               | Applied microbiology and enzymology for production of rare sugars. Production of rare sugars using bioreactor system<br><a href="https://www.ag.kagawa-u.ac.jp/?page_id=21539&amp;t=3591">https://www.ag.kagawa-u.ac.jp/?page_id=21539&amp;t=3591</a> |
| <b>Assoc. Prof. YOSHIHARA Akihide</b><br>yoshihara@ag.kagawa-u.ac.jp | Applied Enzymology                               | Rare sugar (various monosaccharides) production by microbial and enzymatic reactions<br><a href="https://www.ag.kagawa-u.ac.jp/?page_id=21539&amp;t=3631">https://www.ag.kagawa-u.ac.jp/?page_id=21539&amp;t=3631</a>                                 |
| <b>Assoc. Prof. YONEKURA Lina</b><br>lina.yonekura@ag.kagawa-u.ac.jp | Food Chemistry & Functionality                   | Bioavailability and metabolism of bioactive compounds<br><a href="https://www.ag.kagawa-u.ac.jp/?page_id=21539&amp;t=12252">https://www.ag.kagawa-u.ac.jp/?page_id=21539&amp;t=12252</a>  |