Entrance on April, 2023

Interdisciplinary Graduate School of Agriculture and Engineering, University of Miyazaki

(Doctoral Course)

Application Guidelines

1. **General Selection**
2. **Selection for Working Members of Society**
3. **Selection for Overseas Students**

May, 2022

Interdisciplinary Graduate School of Agriculture and Engineering, University of Miyazaki

Admission Policy

（Interdisciplinary Graduate School of Agriculture and Engineering, University of Miyazaki）

1. Education Idea

The Interdisciplinary Graduate School of Agriculture and Engineering aims to cultivate professional engineers who have the high research ability and can play an active part internationally, and to train researchers by implementing the recurrent education. Especially, in the educational and research instruction to students, we aim to cultivate human resources who have the comprehensive judgement based on the wide range of knowledge and can contribute to the technology- and knowledge-based society through previously impossible cooperation between the fields of agriculture and engineering on the basis of academic backgrounds of those fields.

2. Ideal candidates

The Interdisciplinary Graduate School of Agriculture and Engineering, University of Miyazaki is currently accepting applications from highly motivated candidates from throughout Japan and overseas who have a strong desire to further their existing knowledge of both agriculture and engineering in an interdisciplinary setting. Ideal candidates should be seeking to advance their skills and knowledge while utilizing their real-world experience. In conjunction with the research areas pursued by our department, we particularly welcome candidates with research interests in the following fields:

1. Development of a sustainable society with a low environmental impact.
2. Production and utilization of biomass.
3. Build a sustainable society through the design and implementation of appropriate conservation policies and development of suitable community infrastructure.
4. Development of safe and secure systems and promote sustainable biological production methods.
5. Development of new and improved ways of utilizing microorganisms, plants, and animals.
6. Conducting post-genome research in the areas of food production, environment, and health.
7. Development of a sustainable aquaculture methods and effective management of marine resources.
8. Improved design of energy conversion systems through the development of new materials.
9. Development of materials and structural designs for application in manufacturing and engineering industries.
10. Development of new bioinformatics, network, hardware and software technologies.

3. Basic policy of screening

In order to evaluate comprehensively the candidates who have abilities listed above “Ideal candidates” from various perspectives, we will screen candidates based on the basic policy listed below.

1. Entrance examinations to be held several times within the same academic year.
2. Examination format be determined based on the candidate’s status (General Selection, Selection for Working Members of Society or Overseas Students).
3. Application materials will be reviewed and used in combination with examination results to comprehensively evaluate applicants’ abilities, aptitude, and motivation.

〔Method of screening and viewpoint of evaluation〕

① General Selection
② Selection for Working Members of Society
③ Overseas Students

Each candidate will be evaluated comprehensively by the result of achievement test (oral exam) and the screening of the documents submitted.

According to the both results, we will mainly evaluate their knowledge and skills of his/her major field, ability to think, logicality, expressiveness, and individuality.

Interdisciplinary Graduate School of Agriculture and Engineering, University of Miyazaki

The University of Miyazaki is expanding its characteristic education and research in the interdisciplinary fields of bioscience and environment science flexibly and in various directions. The doctoral course of Interdisciplinary Graduate School of Agriculture and Engineering, founded on the academic disciplines of agriculture and engineering and achievements gained through cooperation between them, aims at educating advanced technical specialists who will contribute to a technology and knowledge-based society. This will deepen and enrich the integrated education and research field which combine agriculture and engineering and fulfill the integrated power of judgment based on breadth of knowledge.

1. Number of Students to Be Admitted

Department	Number
Department of Environment and Resource Science	7
Department of Applied Biological Science	4
Department of Materials and Informatics	5

2. Qualification for Students to Be Admitted

Those who can apply for admittance to the Interdisciplinary Graduate School of Agriculture and Engineering, University of Miyazaki (hereafter referred to as the School) should fall under any of the following conditions:

(1) General Selection

Applicants must meet one of the following conditions:

① Persons who hold a Master's degree or a Professional degree, or who will earn one by March, 2023.

② Persons who hold a degree equivalent to a Master's degree or a Professional degree from an accredited institution outside of Japan, or who will obtain one by March, 2023.

③ Persons who have completed their formal education by taking a correspondence course through a non-Japanese university while residing in Japan, and hold a degree equivalent to a Master's degree or a Professional degree, or who will obtain one by March, 2023.

④ Persons who have earned a degree equivalent to a Master's degree or a Professional degree at an educational institution in a country outside of Japan, which has been assessed by the Minister of Education, Culture, Sports, Science and Technology of Japan to be equivalent to a graduate program in the education system of Japan, or who will earn one by March, 2023.

⑤ Persons who completed the course of the United Nations University, who hold a degree equivalent to a Master's degree, or who will obtain it by March, 2023.

⑥ Persons who have completed their formal education at through a non-Japanese university, an educational institution which received the designation of Article 156.3 in Enforcement Regulations for the School Education Law, or the United Nations University, who have passed an examination or a screening equivalent to the regulations by Article 16.2 in Standards for the Establishment of Graduate Schools, and who are recognized to have an academic ability equivalent to Master's degree.

※ Persons who intend to apply in accordance with qualifications ⑦ or ⑧ to the Doctoral Course are required to take an individual evaluation of their ability in relation to the Requirements for Admission to the Doctoral Course before application. (Refer to "Note of Application Form for Qualification Certificate".)

⑦ Persons who have qualifications approved by the Minister of Education, Culture, Sports, Science and Technology of Japan.

1) Those who, after graduating from a university, have been engaged in research for two years or more at a university, research institute, research laboratory of a private company, or other research

and development facility at the time of admission, and who have been recognized by the School as having academic abilities equivalent to or higher than those of a person with a master's degree or a professional degree based on documents (academic papers, research reports, books, patents, etc.) proving their research achievements.

2) Those who, after finishing a 16-year course of school education in a foreign country or finishing a 16-year course of school education in a foreign country by completing correspondence courses offered by a foreign school in Japan, have been engaged in research at a research institute or other research and development facility of a university, research institution, or private company for at least two years at the time of admission, and who have been recognized by the School as having academic abilities equivalent or superior to those of those who hold a master's degree or a professional degree based on documents (Academic papers, research reports, books, patents, etc.) certifying their research achievements.

⑧ Persons who have been recognized by the School as having academic abilities equivalent or superior to those of students who have completed a master's or professional degree program, and who will be 24 years of age or older as of March, 2023.

(2) Selection for Working Members of Society

Persons who meet any of the general selection conditions ① to ⑧ above, are currently working at an educational institution, research institute, or company, and are recognized as outstanding by their department head, and wish to enroll while still employed.

(3) Selection for Overseas Students

Persons who meet any of the above (1) General Selection Requirements ① to ⑧, and who have foreign nationality and who have or will have a status of residence that does not interfere with university admission under the Immigration Control and Refugee Recognition Act.

Note of Application Form for Qualification Certificate (Approval for Academic Achievement to be Equal to or Higher than a Master's Degree)

Submit "Application Form for Qualification of Entrance Examination (Form 6-(1))", "Personal History for Qualification of Entrance Examination (Form 6-(2))", and the "Certificate of Activity and Certificate of Research Experience (Form 6-(3))" (in the format posted on the university website or in an equivalent format), together with documents or copies of documents proving research achievements, to the student office of the Faculty of Engineering, either in person or by mail.

Please refer to the attached "Entrance exam schedule".

The results of the Examination of Qualification will be sent to the applicant.

The submitted documents will not be returned under any circumstances.

3. Period for Acceptance of Application Documents

(1) In the case of hand delivery, accepting time is from 9:00 to 17:00 during the period of acceptance. In the case of post mail, the documents should be mailed by registered mail, and reach the office no later than 17:00 during the period of acceptance. As documents not arriving by the period of acceptance will not be accepted, it is advisable to allow enough time to send the documents, taking postal circumstances into consideration.

(2) The accepted application documents will not be returned under any circumstance.

(3) The application should be submitted to the Student Office (in charge of Interdisciplinary Graduate School of Agriculture and Engineering), Faculty of Engineering, University of Miyazaki.

	Document necessary for Application for Qualification Certificate	Period for Acceptance of Application Documents
Those who have a Master's Degree or a Professional Degree, or expect to complete their course by March of the application year	Not needed	Please refer to the attached "Entrance exam schedule".
Those who need an Application for Qualification Certificate	"Application (Form 6-(1))", (Form 6-(2) and Form 6-(3))" (Applicants may use the designated forms or forms equivalent to them)	

Please download the electronic file (PDF format) from the University's website to obtain or refer to the application guidelines.

4. Application Documents

Application Documents: Summary

• Application Form for Entrance Examination	Fill in the application form listed on website.
• Identification Card and Photograph Card	Fill in the cards listed on website. A photograph, front-facing, upper torso without hat, (L4 cm x W3 cm), taken within three months of the time of application, should be attached on the appointed section.
• Personal History (Form 1)	The form listed on website should be used.
• Research Plan (Form 2)	Applicants should describe the purpose and concept of the desired subject or field of research within 2,000 words in Japanese (1,200 words in English) on the form listed on website or its equivalent after consulting with the instructor about the subject and field of research, whom the applicant desires to have as a guiding instructor.
• Certificate of Activity and Certificate of Research Experience (Form 3)	Applicants should describe the Activity in academic and society and the Research Experience including research reports or published papers on the form listed on website or its equivalent. * Research Experience should include achievements within the past 5 years from the date you will enroll. In addition, attach their research reports or published papers from the list you described (up to 5). Applicants for Selection for Working Members of Society should write about their past jobs related to their research plan within 1,200 words on another A4-size paper.
• Study Approval (Form 4)	Those who apply for admission based on Selection for Working Members of Society should submit a sealed Study Approval in which their immediate manager, etc. approves them to study in the School while working if they pass the examination.
• Summary of Master's Thesis (Form 5)	Regardless of manner of selection, those who have been awarded a Master's Degree or a Professional Degree or expect to have it awarded by March, 2023, and those who have been awarded a degree equivalent to a Master's Degree or a Professional Degree or expect to have it awarded

	abroad by March, 2023, should describe a summary of their master's thesis within 2,000 words in Japanese (1,200 words in English) on the form listed on website or its equivalent, and attach a copy of their thesis, academic works, lectures and patents related to the master's thesis, if any.
• Certification of the Master's Course or of Expected Completion or Qualification Certificate	It should be prepared by the principal of the applicant's Alma Mater (Dean of graduate school), (however, it is not required for the applicants who are expected to complete Master's Course of Graduate Schools of our University) or a Qualification Certificate prepared by the School.
• Academic Record	A sealed academic record of undergraduate school and graduate school. The form is not specified.
• Copy of the Residence Card or Copy of the Passport	Foreigners living in Japan should submit a copy of the Resident Card. Foreigners living abroad should submit a copy of the Passport.
• Application fee: ¥30,000	Applicants should access the URL below and pay the application fee after entering the necessary information. Payment can be made at convenience stores or by credit card. Applicants are required to pay a system usage fee (900 yen) to pay the application fee. https://www.miyazaki-u.ac.jp/exam/graduate-exam/payment.html However, it is not required for foreign students with government scholarships or those who will have completed Master's Course of Graduate Schools of our University in March, 2023 and advance to the School.
• Documents showing payment of the application fee	Those who have paid the application fee have to attach the following documents. In case of payment at a convenience store: The receipt issued after payment of the application fee pasted to a "Form to paste Remittance Certificate". In case of payment by credit card: A copy of the payment completion screen displayed after payment of the application fee (note that this screen is displayed only once after payment), or a printed copy of the credit card statement (the statement should not be visible except for necessary information) on an A4-size paper.
• Return Mail Envelope	An envelope (Choukei 3-go, 120 mm x 235 mm) with the applicant's name, address and postal code written, a ¥384 stamp pasted. (However, this is not required for those bringing the application documents by hand.)

Please download the Application form from the URL below.
https://www.miyazaki-u.ac.jp/exam/graduate-exam/selection/noukou.html

Notice: Applicants may fill in the forms issued by the School or their equivalent, excluding Application Form for Entrance Examination, Identification Card and Photograph Card, using a personal computer. However, care should be taken not to destroy the appearance of the form.

※Except for the following reasons, the Application fee will not be returned: In the case that the screening fee was paid, but no application documents were submitted nor received by the institute, or in the case that the screening fee was paid in duplicate.

How to request a refund of the Application fee

Please submit the refund request form (Please write reason, name, selection, address, telephone and information of bank account on any format) to Accounting Section by March 31, 2023. The bank charge of return must be paid by applicant.

Accounting Section, Financial Division, University of Miyazaki
1-1, Gakuen Kibanadai-nishi, Miyazaki, 889-2192
Tel. 0985-58-7122

5. Manner of Selection

(1) General Selection

The selection is conducted through an academic achievement test and documentary examination. The academic achievement test is performed through an oral examination. ※

(2) Selection for Working Members of Society

This selection is conducted through an academic achievement test and documentary examination. The academic achievement test is performed through an oral examination. ※

The "Selection of Short-term Courses" is prepared for the applicants, who already have respectable research papers and been assessed that they will most likely be completing their doctor's thesis within one or two years at the preliminary review. The applicants who desire to apply to this system should ask a supervisor and confirm the documents required and deadline for submission. (For details, please refer to the Student Office, Faculty of Engineering).

(3) Selection for Overseas Students

This selection is conducted through an academic achievement test and documentary examination. The academic achievement test is performed through an oral examination. ※

The oral examination can be conducted by "Zoom Meetings", "Cisco Webex" or a teleconferencing system for those who have been enrolled in the university that has signed an exchange agreement with University of Miyazaki.

If applicants for this selection prefer to take the oral examination by "Zoom Meetings", "Cisco Webex" or the teleconferencing system, please apply through the primary preferred major advisory professor before submitting documents for admission.

※Due to the prevention of the spread of COVID-19, applicants who reside outside of Japan or those who reside in Japan and cannot take the entrance examination at the university for unavoidable reasons may take the entrance examination online using "Zoom Meetings", "Cisco Webex", etc. If applicants wish to take the examination online, consult with their primary preferred major advisory professor at the time of application.

Contents of Oral Examination (approximately 30 minutes per applicant)

The oral examination concerns the research achievement of a Master's thesis or its equivalent (research career for Working Members of Society) (approximately 15 minutes) and research planning after being admitted (approximately 5 minutes), after that, Questions and Answers (approximately 10 minutes).

※Please make a presentation by using the LCD projector. Applicants should prepare for their PC and connect it to the projector by themselves.

6. Examination Schedule and Locations:

Examination Schedule and Locations, please refer to the attached "Entrance exam schedule".	Oral examination	Faculty of Engineering, University of Miyazaki (1-1, Gakuen Kibanadai-nishi, Miyazaki)

Applicants will be informed of their examination room, etc. after their application is accepted, and this information will also be posted around the entrances of lecture buildings of the Agriculture and Engineering Faculties on the day of the examination.

7. Preliminary Consultation for the Applicants who have disabilities

The applicants, who have physical disabilities and require special assistance during entrance examinations as well as special considerations in the course of their studies, should consult with the admissions office before submitting the application documents. (Regarding the degree of disability, please refer to Article 22, Paragraph 3 of the Enforcement Ordinance of the School Education Act).

(1) Consultation Period

Consultation Period, please refer to the attached "Entrance exam schedule".

However, consultations by applicants who incur disabilities caused by accident after this period will be allowed.

(2) Consulting Method

Download the application form for consulting from the University website, and fill out the form with the following items and submit it with a doctor's certificate (submission by mail is also accepted):

①. Desired major and courses
②. Type and degree of disability
③. The need for special assistance and considerations in entrance examinations and in the course of studies.
④. Special measures and considerations taken in the previous school
⑤. Daily living situation
⑥. Address and telephone number

Depending upon the circumstances, it may be necessary to interview the applicants or their representatives.

(*Website: http://www.miyazaki-u.ac.jp/exam/exam/1789-2)

(3) Contact Address for Consultation

Admissions Office, Student Affairs Division, University of Miyazaki
1-1, Gakuen Kibanadai-nishi, Miyazaki, 889-2192
Tel. 0985-58-7138　FAX. 0985-58-2865

Consultation example	
Visually Impaired	Visually impaired individuals are those whose eyesight are less than 0.3 in both eyes or who have a serious visual impairment other than visual acuity, such that they find it impossible or considerably difficult to visually distinguish words and diagrams even with the use of a magnifying glass.
Hearing-Impaired	Hearing-impaired individuals are those whose hearing is limited to sounds of 60 decibels and up, and who find it impossible or considerably difficult to make out a normal speaking voice even with the use of a hearing aid.
Physically Disabled	1. Physically disabled individuals are those who find it impossible or considerably difficult to walk without an assistive device or to engage in basic daily activities like note-taking. 2. Physically disabled include those whose disabilities are not as severe as the disabilities described in 1, but who nevertheless require constant medical observation and supervision.
Sickly	1. Sickly individuals are those who with chronic respiratory illness, kidney disease, nervous disorders, malignant neoplasms, or other chronic medical conditions, and require medical treatment or a regulated lifestyle. 2. Sickly individuals also include those with chronically weak constitutions who require a regulated lifestyle
Developmental Disabilities	Individuals for whom special measures are required due to autism, Asperger's syndrome, learning disabilities, or attention deficit hyperactivity disorder.
Other	Disabled individuals include those who do not fall into the above consultation but have impairments that are serious enough to require special consideration in order to study and take exams.

*Note: These definitions are based on those stated in the School Education Enforcement Ordinance, Article 22, Part 3, and in the Support for Persons with Developmental Disabilities Act, Article 2, Part 1.

8. Response to COVID-19 infection and Important Points

In order to prevent the spread of COVID-19, each person who takes the examination at our university must bring a mask and wear it properly at all times, regardless of whether or not applicants have symptoms such as fever or cough. If applicants don't wear a mask properly, they will not be allowed to take the examination. If applicants have difficulty wearing a mask due to sensory sensitivities or other reasons, please submit a doctor's note to apply for examination accommodations. For details on how to apply, please refer to "7. Preliminary Consultation for the Applicants who have disabilities".

Depending on the applicants' physical condition, the following measures may be required.

(1) Applicants who have a fever, cough, or other symptoms for about two weeks prior to the examination date should consult a medical institution in advance.

(2) Applicants who cannot take the examination at our university.

① Applicants who have contracted COVID-19 and will be hospitalized on the day of the examination, or who are receiving medical treatment at home or in an accommodation facility.

② Applicants who have entered Japan from abroad and are in the waiting period for quarantine measures.

③ Asymptomatic, but in close contact with a person infected with COVID-19.

If any of the above applies to applicants, they may apply to take the entrance examination online or to take a supplementary examination (online only). If applicants fall under any of the above categories, contact the following address at least three days before the test date in principle.

(3) What to do if applicants fall into one of the above categories two days or more before the date of the entrance examination

Applicants who have fever, cough or other symptoms from two days before to the day of the examination are not allowed to take the examination at our university. Applicants with symptoms such as fever or cough should contact the following address. In this case, they can apply for the supplementary examination (online only), if they wish to do so.

Contact Information

Interdisciplinary Graduate School of Agriculture and Engineering Student Office,
Faculty of Engineering, University of Miyazaki
E-mail: noukou-k@of.miyazaki-u.ac.jp

9. Announcement of Admission Results

Admission results will be posted in front of the Student Office of Engineering Department, date of Admission Results (10:00 a.m.) and, at the same time, an acceptance letter will be sent to the successful applicants. Any inquiry into admission results by telephone, etc. cannot be responded to.

Date of Admission Results, please refer to the attached "Entrance exam schedule".

10. Enrolment Procedures, Fees and Tuition

(1) **Entrance Fee: ¥282,000**

Tuition (one semester): ¥267,900 (¥535,800 a year)

The above information is subject to change according to revision.

*1. Foreign students with government scholarships or those who will have completed the Master's Course of Graduate School of our University in March, 2023 and advance to the School are exempted from the entrance fee.

*2. Foreign students with government scholarships are exempted from tuition.

*3. The admission fee paid will not be refunded for any reason, except in the following cases

(1) Where the applicant has paid the admisson fee but has not completed the admission procedure.

(2) In the event that the admission fee has been paid in duplicate by mistake.

In principle, the fee for the return of the fee shall be borne by the payer.

(2) Exemption from entrance and tuition fees

Information on the exemption of entrance and tuition fees will be posted on the following website.
http://gakumu.of.miyazaki-u.ac.jp/gakumu/campuslifeinfo/schoolandadmissionfee.html

(3) Contact information

*1. Enquiries about entrance and tuition fees
Cashiers Section, Finance Division
E-mail: suitou@of.miyazaki-u.ac.jp

*2. For enquiries about exemption from entrance and tuition fees
Financial Support Section, Student Support Division
E-mail: keizaishien@of.miyazaki-u.ac.jp

11. Support for Pioneering Research Initiated by the Next Generation

The Graduate School has been selected for Support for Pioneering Research Initiated by the Next Generation (Japan Science and Technology Agency), which supports challenging and interdisciplinary research by doctoral students and promotes the improvement of research capabilities and the development of researcher skills so that outstanding doctoral students can be active in a variety of careers. The program provides living expenses (approximately 180,000 yen per month) and research expenses (approximately 400,000 to 700,000 yen per month) to outstanding doctoral students selected by the Selection Committee for Next Generation Researchers, as well as career development and nurturing contents (cultivation of internationality, cultivation of interdisciplinarity, career development, acquisition of transferable skills, internship, etc.) through "Miyazaki Industrial Human Resources Development Program". Please refer to the following website for details on the eligibility, selection policy, and schedule.
https://www.miyazaki-u.ac.jp/tech/agr_eng/research_program/index.html

12. Scholarships

The University offers a variety of scholarships, including those from the Japan Student Services Organization (JASSO). All of these scholarships are offered to students who have excellent character and academic performance, and who have difficulty paying for school for financial reasons. If applicants wish to apply for the scholarship, please check the following website.

Japanese student
http://gakumu.of.miyazaki-u.ac.jp/gakumu/campuslifeinfo/scholarship.html
Foreign student
https://gakumu.of.miyazaki-u.ac.jp/gakumu/campuslifeinfo/scholarship/scholarship-intl.html

Contact information
Financial Support Section, Student Support Division
E-mail: keizaishien@of.miyazaki-u.ac.jp

13. Student Dormitories

Our university has Men's Dormitory, Women's Dormitory, International Exchange Dormitory, International Exchange Dormitory II and International Exchange Dormitory III (Kibana Dormitory) at Kibana Campus. If applicants wish to move into the student dormitory, please check the following website.
http://gakumu.of.miyazaki-u.ac.jp/gakumu/campuslifeinfo/campuslife/dormitory/dormitory.html

Contact information
Student Support Section, Student Support Division
E-mail: keizaishien@of.miyazaki-u.ac.jp

14. Insurance Schemes while in School

Those who have been enrolled in our university must enroll in “Personal Accident Insurance for Students Pursuing Education and Research (Gakken-Sai)” to cover any accident that might occur in relation to 1) curricular activities, 2) extracurricular activities, 3) school events, and occur while in the premises of a school faculty during times other than 1) ~3), or any accident that might occur during the commute to school. If those who have been enrolled in our university plan to join an internship, they are also requested to join “Liability Insurance for Students Pursuing Education and Research (Gakken-Bai)”. Details of these insurance schemes and the procedures for joining them will be sent with the enrolment documents after the announcement of admission results.

15. The Management of Personal Information

1. The personal information at University of Miyazaki is handled securely and appropriately in compliance with the relevant laws and Rules for Protection of Personal Information.
2. The names of individuals, their addresses and other personal information provided by them in connection with applications and admissions procedures will be used for the following purposes:
   (1) Conducting entrance examinations (processing applications, conducting examinations),
   (2) Announcing successful applicants,
   (3) Enrollment procedures,
   (4) Administering, communicating and carrying out procedures concerning academic affairs,
   (5) Administering, communicating and carrying out procedures concerning students affairs (health-care, support for employment, tuition waiver, scholarships),
   (6) Collection of tuitions and fees and
   (7) Conducting other functions related to all or some of the preceding items listed above.
3. Entrance exam score will be used as investigation and research material for applicant selection at the university.
4. University of Miyazaki may outsource some of the above operations 2 and 3.

16. Contact Information

Interdisciplinary Graduate School of Agriculture and Engineering
Student Office, Faculty of Engineering, University of Miyazaki
1-1, Gakuen Kibanadai-nishi, Miyazaki, 889-2192
Tel: (0985)58-7870 (Dial-in), FAX: (0985)58-7287
E-mail: noukou-k@of.miyazaki-u.ac.jp

17. Full-Time Teaching Staff and Main Research Theme

Department	Course	Position	Advisor	A main research theme
Department of Environment and Resource Science	Course of Environmentally Harmonized Technology and Science	Professor	Yasuyuki ISHII	Environmentally harmonized forage production in the arable lands and grasslands
		Professor	Satoshi ITO	Biodiversity conservation in managed forests
		Professor	Sachiko IDOTA	Cropping system and fertility management in the arable lands and grasslands
		Professor	Mitsuteru IRIE	Water resources management and river environment restoration
		Professor	Tetsuro UDATSU	Research on historical transition of environmentally harmonized rice cultivation techniques in east asia.
		Professor	Tatsuya OSHIMA	Development of sustainable for bioconjugates
		Professor	Ichiro KAMEI	Functional studies of forest microorganism for the conversion of wood biomass and for the development of bioremediation technology
		Professor	Yoshio KIJIDANI	Studies on xylem formation of trees and the variation of wood properties
		Professor	Minoru KUMANO	Studies on sustainable development methods, disaster prevention and landscape in regional and urban planning
		Professor	Koichiro SHIOMORI	Development of functional microcapsules for evironmentally benign agrochemicals
		Professor	Osamu SHIMIZU	Sediment dynamics in upstream basin and mitigation of sediment disasters
		Professor	Daisuke SUETSUGU	Soil stabilization and long-term durability of improved ground
		Professor	Yoshihiro SUZUKI	Conservation of water quality and development of restoration technology on water environment
		Professor	Masahiro TAKAGI	Matterflow of forest ecosystem
		Professor	Masahiro TASUMI	Water resources management using satellite remote sensing
		Professor	Kousuke TOSHIKI	Studies on the Environmental Impact of Waste Management and Recycling System
		Professor	Yutaka DOTE	Recycle of livestock excrement
		Professor	Manabu TOBISA	Analysis of soil microorganism - plant interface in grassland systems
		Professor	Aya NISHIWAKI	Study of ecological farming system to solve a conflict between production and bio-diversity conservation
		Professor	Ichiro FUJIKAKE	Forest management and regional forestry for timber production that is consistent with the conservation of the forest environment
		Professor	Yasushi MITSUDA	Forest planning for multiple functions of forest
		Professor	Keisuke MURAKAMI	Study on coastal disaster mitigation against sea waves
		Professor	Chihiro MORITA	Study on structural analysis and soundness evaluation of steel bridges
		Professor	Naoyuki YAMAMOTO	Economical evaluation on environmentally harmonized recycling system of biomass resources
		Associate Professor	Kaoru OHE	Development of removal technology of harmful components on water environment
		Associate Professor	Hideyuki KANO	Economic analysis of sustainable food system
		Associate Professor	Rin SAKURAI	Infrastructures and operations of forestry
		Associate Professor	Yoshinori SHINOHARA	Hydrological cycle and erosion control
		Associate Professor	Hiroshi SHIMAMOTO	Research on evaluation methods for sustainable transportation system
		Associate Professor	Tomoo SEKITO	Recycling and environmental impact of residue from solid waste management
		Associate Professor	Shinichi TAKESHITA	The study on evaluation of water and climate resources in the basin
		Associate Professor	Hidenori TANAKA	Plant genomic diversity and its application to molecular breeding
		Associate Professor	Atsushi NAKANO	Characterization of metallic materials in various environments
		Associate Professor	Kei NUKAZAWA	Development of an assessment technique for conserving riverine envrionments and biodiversity
		Associate Professor	Ryoko HIRATA	Wildlife management in forest landscape
		Associate Professor	Yoshinori FUKUBAYASHI	Studies on road disaster prevention/mitigation measures and rural infrastructure development through reinforcing soil material properties
		Associate Professor	Hideki MATSUNE	Study on the synthesis of nanomaterials for sustainable developments
		Associate Professor	Chunhe LI	Studies on the development and evaluation of high performance concrete
		Associate Professor	Genki ISHIGAKI	Production of grass and legume plants and the utilization for livestock in temperate zone
		Assistant Professor	Asuka INADA	Development of environmentally symbiotic metal-organic framework using biomolecules
		Assistant Professor	Atsushi KOYAMA	Improvement of disaster prevention function of earthwork structures
		Assistant Professor	Takahiro GONDO	Molecular breeding of forage plants and its biodiversity risk assessment
		Assistant Professor	Taku TSUYAMA	Biosynthesis of cell wall, tissue formation, and growth mechanism of forest plant

Department	Course	Position	Advisor	A main research theme
Department of Environment and Resource Sciences	Course of Sustainable Agricultural Technology and Science	Professor	Tomoyuki KAWASHIMA	Feed resources and global environment
		Professor	Satoshi KAWAHARA	Quality evaluation and improvement of animal products from the viewpoint of food science and nutrition
		Professor	Hisato KUNITAKE	Genetics and breeding in the fruit genetic resources
		Professor	Yuichi SAEKI	Genomic and molecular ecology of soybean-nodulating rhizobia
		Professor	Kazufumi ZUSHI	Improvement of nutritional and organoleptic qualities of horticultural products
		Professor	Minoru TAKESHITA	Studies on plant-virus interactions and control of plant virus diseases
		Professor	Yasuhiro TSUZUKI	Study on the reproduction in animal production for agricultural technology and science
		Professor	Takuya TETSUMURA	Research on development of environmentally-friendly pomiculture
		Professor	Takashi YUASA	Environmental stress tolerance and nutrient signaling in plants
		Associate Professor	Tetsuya ADACHI	Biological control-based integrated pest management
		Associate Professor	Atsushi IGUCHI	Genomic diversity of bacteria and its application to the molecular epidemiological analysis
		Associate Professor	Takafumi ISHIDA	Genetic improvement for livestock animals by animal breeding and genetics
		Associate Professor	Takehito INABA	Mechanism of plastid biogenesis in plant cell
		Associate Professor	Yasuko INABA	The underlying mechanism for floral thermogenesis and its application to horticultural production
		Associate Professor	Osamu KINOSHITA	Safety and comfort of farm work
		Associate Professor	Shinsuke SAKAMOTO	Studies on behavior and ecology of livestock, zoo animals, and wildlife, and management of their environments
		Associate Professor	Toshihiro TAKAHASHI	Research on animal nutrition and nutritional control in animal production
		Associate Professor	Tomonori NAKANISHI	Studies on functional components of animal products
		Associate Professor	Tomonari HIRANO	Studies on sexual reproduction in horticultural plants
		Associate Professor	Chitose HONSHO	Introduction and sustainable production of tropical fruits in response to climate change
		Associate Professor	Jyunichiro MASUDA	Studies on underlying mechanisms of storage organ formation and its accompanied dormancy in geophytes
		Associate Professor	Akihiro YAMAMOTO	Physiology and biochemistry of plant production under various environmental conditions
		Assistant Professor	Masaaki KIRIMURA	Research on development of environmentally-friendly agricultural systems
		Assistant Professor	Nobuya TAKAHASHI	An application of the optimal control to the robust control problem
		Assistant Professor	Tadaaki TOKUNAGA	Establishment of superior livestock population
		Assistant Professor	Kenji HIYOSHI	Mechanization and automatization of agricultural works by using production environment data

Department	Course	Position	Advisor	A main research theme
Department of Applied Biological Science	Course of Bioscience and Biotechnology	Professor	Hiroyuki SAKAKIBARA	Chrono-functional study on food factors
		Professor	Yoichi SAKAKIBARA	Functional characterization of proteins using proteome technology
		Professor	Hidemi HATTORI	Development of novel biomedical materials using biomass and its application
		Professor	Masao YAMASAKI	Research in functional lipids for our health
		Professor	Toshifumi YUI	Three dimensional structure studies of biopolymers and their functional properties
		Professor	Naoto YOSHIDA	Application of microbes for biotechnology and bioremediation
		Associate Professor	Takanori IDA	Searching for novel bioactive peptides
		Associate Professor	Takuya UTO	Three-dimensional structure and molecular dynamics of biopolymers: Theoretical study
		Associate Professor	Nozomu ETO	Suppression of the inflammatory reaction due to cellular senescence
		Associate Professor	Katsuhisa KUROGI	Study on enzymes responsible for the metabolism ofphysiologically active compounds
		Associate Professor	Kazuhiro SUGAMOTO	Synthesis and evaluation of bioactive natural products
		Associate Professor	Kazuo NISHIYAMA	Chemical structures and physiological activities of food constituents
		Associate Professor	Jun HIROSE	Structure of bacterial genome and evolution of bioconversion function
		Associate Professor	Yumi YAMASAKI	Research on food function
		Assistant Professor	Munetoshi MIYATAKE	Analysis of microbial functions and its application for bioremediation
Department of Applied Biological Science	Course of Marine Biological Science	Professor	Yukio IWATSUKI	Fish diversity, taxonomy, resource, ecology and conservative biology
		Professor	Katsuhisa UCHIDA	Growth and reproductive physiology and their endocrine regulations in aquatic animals
		Professor	Masahiro SAKAI	Molecular immunology in fish and shrimp
		Professor	Ryusuke TANAKA	Research on advanced utilization of aquatic food
		Professor	Naoki NAGANO	Research and development in aquaculture
		Professor	Masahiro HAYASHI	Research on the utilization of functional compound in marine organisms
		Professor	Junichi HIKIMA	Study on mechanism of innate immunity in the marine organisms
		Professor	Terutoyo YOSHIDA	Studies on infectious diseases in fish
		Associate Professor	Tomoya KOHNO	Immuneregulation by biological response modifiers in aquatic animals
		Associate Professor	Yousuke TAOKA	Ecosystem and diversity of microorganisms in marine environment and the advanced utilization
		Assistant Professor	Atsunobu MURASE	Ecology in shoreline environments including estuarine ecosystem
		Associate Professor	Hironobu FUKAMI	Biology,taxonomy,systematics and population genetics of corals
		Associate Professor	Urbanczyk Henryk	Evolution and diversity of marine bacteria
		Assistant Professor	Issei NISHIKI	Research for disease control and prevention in aquaculture

Department	Course	Position	Advisor	A main research theme
Department of Materials and Informatics	Course of Advanced Materials and Energy	Professor	Akinori IGARASHI	Theoretical research for atomic collisions
		Professor	Yuji OKUYAMA	Ionic transport properties of oxides and its application to electrochemical cells
		Professor	Go SAKAI	Development of highly active electrocatalysts for polymer electrolyte fuel cells
		Professor	Tatsuya SAKODA	Studies on effective usage of electric energy
		Professor	Tsutomu SHIRAGAMI	Studies on development of novel photofunctional materials by using metal complexes
		Professor	Kensuke NISHIOKA	Fabrication of high quality semiconductor devices
		Professor	Isamu HATSUKADE	X-ray observational study of clusters of galaxies
		Professor	Atsuhiko FUKUYAMA	Characterization of optical properties in quantum nano-structure semiconductors and their device application
		Professor	Kouji MAEDA	Characterization of optical and structural properties in phosphor materials and semiconductor films
		Professor	Tatsuro MATSUDA	Study of hadron structure and spectroscopy
		Professor	Koji MORI	Studies of the energy cycle in our galaxy with multi-wavelength observations
		Professor	Makoto YAMAUCHI	Energy transformation in astrophysical phenomena
		Professor	Atsushi YOKOTANI	Research and development of application of high energy and high intensity light source
		Professor	Kenji YOSHINO	Study of characrerization on chalocopyrite semiconductor
		Associate Professor	Masakazu ARAI	Studies on optical sensing device and crystal growth
		Associate Professor	Kengo INOUE	Electricity generation and bioremediation by microorganisms
		Associate Professor	Yasuyuki OHTA	Development of Technology for Advanced Utilization of Solar Power and Light Concentrating System
		Associate Professor	Masanori KAKU	Laser-produced-plasma emission sources in the extreme ultraviolet spectral region
		Associate Professor	Masahito KATTO	Development of high intensity lasers and their applications
		Associate Professor	Kentaro SAKAI	Fabrication and characterization of novel functional semiconductor materials
		Associate Professor	Hidetoshi SUZUKI	Study on new materials for super high efficiency multi-junction concentrator photovoltaic
		Associate Professor	Ayaki TAKEDA	Study on Semiconductor Detectors and Data Acquisition Systems for Radiation Imaging
		Associate Professor	Akira NAGAOKA	Study on high efficiency hybrid photovoltaic and thermoelectric device
		Associate Professor	Yu NABETANI	Photochemistry of molecular assembly coupled with the surrounding microenvironment
		Associate Professor	Yukie MAEDA	Experimental study of the few-body effects in the nuclear physics
		Associate Professor	Naoki MATSUNAGA	Study of structural ceramics with biocompatibility
		Associate Professor	Jin MATSUMOTO	Study on synthesis and self-asembly of photofunctional amphiphiles
		Assistant Professor	Akihiro KAMEYAMA	Fabrication of optical fiber sensors
		Assistant Professor	Shoichiro NAGATA	A study on eddy current nondestructive evaluation for complecated shape

Department	Course	Position	Advisor	A main research theme
Department of Materials and Informatics	Course of Production Technology	Professor	Naonobu OKAZAKI	Research on secure networking
		Professor	Tetsuro KATAYAMA	Study on supporting methods to generate software and methods to improve its reliability
		Professor	Kikuhito KAWASUE	Three-dimensional measurement and calibration for production engineering
		Professor	Ryusuke KAWAMURA	Research of methods of thermal stress analysis and its application to clarification of behaviors in solid mechanics and assessment of structural integrity
		Professor	Byeongrog SHIN	Research on the advanced design and development of turbomachinery and fluid devices
		Professor	Gang DENG	Fatigue strength evaluation for machine elements
		Professor	Yoshinori NAGASE	Study on solar thermal energy
		Associate Professor	Kentaro ABURADA	Applied System in Computer Networking
		Associate Professor	LEE Geunho	Convergence of robotics and IoT
		Associate Professor	Satoshi IKEDA	Optimization of probabilistic algorithms
		Associate Professor	Osamu OHNISHI	Study on micro and precision machining
		Associate Professor	Hiroyuki KINOSHITA	Development of composite materials made by recycling glass fibers in waste
		Associate Professor	Yasuhiro BONKOBARA	Development of a mechanical system using nolinear vibration phenomena
		Associate Professor	Suguru MIYAUCHI	Study on flow phenomena in a living body
		Associate Professor	Go YAMAKO	Research and development of medical device based on biomechanical engineering
		Assistant Professor	Hitonobu KOIKE	Study on tribology for polymer mechanical elements
		Assistant Professor	Hisaaki YAMABA	Computer support systems for design and operaion of production systems
Department of Materials and Informatics	Course of Computer Science and Bio-informatics	Professor	Masato IIDA	Research on population dynamics based on the analysis of partial differential equations
		Professor	Ryusuke KON	Study on mathematical modelling and analysis of biological phenomena
		Professor	Makoto SAKAMOTO	Automaton and computational complexity
		Professor	Hiroki TAMURA	Study on the human interface using biological signals
		Professor	Koichi TANNO	Research on high performance analog integrated circuits
		Professor	Thi Thi Zin	Image processing and its applications - Human behavior analysis and monitoring systems, image search systems, big data analysis -
		Professor	Ichijo HODAKA	Theory and control of power electronics for renewable energy system
		Professor	Masayuki MUKUNOKI	Computer vision, image understanding and video media processing
		Professor	Kunihito YAMAMORI	Parallel processing and applications on neural network and evolutionary computing
		Professor	Mitsuhiro YOKOTA	Study on analysis and design of photonic waveguides by numerical techniques
		Associate Professor	Kenji AOKI	Research on visual information processing mechanism by computational science
		Associate Professor	Hirofumi IZUHARA	Pattern formation in reaction-diffusion systems
		Associate Professor	Kentaro INOUE	Research on bioinformatics analysis for signal transduction systems
		Associate Professor	Morimichi UMEHARA	Mathematical analysis of the compressible viscous fluid motion
		Associate Professor	Amane TAKEI	Development of high-performance numerical analysis method and effective utilization technique
		Associate Professor	Akira DATE	Research on mathematical models of learning and self-organization
		Associate Professor	Yoshihiro NAKA	Numerical Analysis and Design of Passive Optical Communication Devices
		Associate Professor	Hiroki MATSUMOTO	Low voltage switched-capacitor digital-to-analog converter
		Associate Professor	Masahiro YOKOMICHI	Research on autonomous mobile robots and computer vision with information engineering approach