DIRECTIONS FOR APPLICATION

THE SPECIAL PROGRAM FOR DRYLAND AGRICULTURAL SCIENCES WITH REFERENCE TO SDGs, 2026
(THREE-YEAR DOCTORAL COURSE)

The United Graduate School of Agricultural Sciences, Tottori University, Japan

The United Graduate School of Agricultural Sciences (UGSAS), Tottori University is formally constituted based on the three Master's Courses of Tottori, Shimane and Yamaguchi Universities, in the research facilities at the three universities. The UGSAS operates in close cooperation and alliance with the Master's Courses of these three constituent Universities

The Special Program (SP) for Dryland Agricultural Sciences with reference to SDGs, is designed primarily for students who have finished the Special Program of the Master's courses (Pre-Doctoral Courses) at the constituent Universities; Tottori, Shimane and Yamaguchi.

However, as an exceptional measure for the 2026 academic year, the UGSAS invites application from prospective foreign student who wish to conduct research in dryland agriculture under the Japanese Government (MEXT) Scholarship Program.

The Admission Policy of the United Graduate School of Agricultural Sciences, Tottori University

The United Graduate School of Agricultural Sciences, Tottori University was founded in 1989 as an independent three-year Doctoral Course at Tottori University. The participating universities are the graduate schools (Master's Course) of three universities, Tottori, Shimane and Yamaguchi, in the Chugoku district of Japan.

The United Graduate School of Agricultural Sciences, Tottori University, widely accepts people who: (1) have the basic knowledge and scholastic ability equivalent to the master's degree, which is required in each of the Courses of Bioproduction and Bioenvironmental Sciences, Bioresource and Life Sciences, and Global Dryland Science; (2) seek to obtain higher and broader expertise and skills and more comprehensive viewpoints, and further desire to engage in original studies through the application of these skills; (3) seek to acquire high morality based on social responsibility, contribute to the development of science and technology, and cater to the needs of the local and international communities; and (4) seek to obtain professional and advanced capacities to identify and solve problems and communicate effectively and lead the research activities in the specialized area to deal with problems faced by the local and international communities.

In order to accept applicants who meet these requirements, the United Graduate School of Agricultural Sciences, Tottori University will select candidates based on a multifaceted and comprehensive evaluation of application documents (including research plan) and oral examination.

Each course seeks the following qualities in students:

- The Course of Bioproduction and Bioenvironmental Sciences：A strong interest in problems in production, distribution, consumption, and production environment in agriculture and forestry, as well as in other areas related to forest and watershed environments, and the desire to solve such problems.
- The Course of Bioresource and Life Sciences：A strong interest in the diverse vital functions found in animals, plants, fungi, etc. and the desire to challenge advanced bioscience studies focusing on the

identification of such vital functions at molecular and genetic levels, as well as their utilization as resources.

- The Course of Global Dryland Science：A strong interest in problems surrounding the environment and food in drylands across the world and the desire to utilize the broad viewpoint, expertise, and professional skills in international activities.

I. PURPOSE OF THE PROGRAM

The Special Program in Dryland Agricultural Sciences with Reference to SDGs cultivates human resources capable of contributing to the country's development under our educational research system from agriculture and environmental conservation in drylands to the regional developments based on SDGs.

II. FIELDS OF STUDY AND NUMBER OF STUDENTS TO BE ADMITTED

（1）Field of Study：Applicants for any field in agriculture sciences, environmental conservation, and regional development in dryland and related fields are accepted, provided that each applicant finds a suitable academic supervisor in the annexed "List of Supervisors and their Research Interests".

（2）Number of student to be admitted：1student funded by the Scholarship from the Japanese Government (MEXT)

（Notes）Regarding a Japanese Government (MEXT) Scholarship Student, a candidate will be selected from the applicants and recommended to the Ministry of Education, Culture, Sports, Science and Technology (MEXT).

III. QUALIFICATIONS AND CONDITIONS

（1）Nationality：Applicants should be nationals from countries which have diplomatic relations with Japan, and not be living in Japan at the time of application.

（2）Age：Applicants must be born on or after April 2, 1991.

（3）Academic Background：Applicants should have or be expected to earn a Master's degree by the end of September 2026

（4）Health：Applicants should have no physical or mental conditions hindering the applicant's study at the university.

（5）Language proficiency：Research guidance and related activities will be conducted primarily in English; therefore, applicants must meet one of the following language proficiency requirements.

① Applicants must pass or achieve scores in English language proficiency tests that correspond to B2 or higher level in the Common European Framework of Reference for Languages (CEFR) at the time of application.

② Applicants must complete school curriculums that meet the conditions for admission in masters' or doctoral courses at a Japanese graduate school by using English as the main language.

（6）Arrival in Japan：In principle, applicants must be able to arrive in Japan from October 1 to October 7, 2026.

（7）Visa Requirement：An applicant must, newly obtain a "Student" visa enter Japan with the residence status of "Student.

（8）Applicants must be recommended by one of either: 1) a Partner University that has an inter-university exchange agreement with Tottori University (including its constituent universities); or 2) The president or a department head equivalent (or an equivalent or higher authority) of a university that has a history of exchange with Tottori University (including its constituent universities).

(9) Applicants must be available for an interview with the members of the oral examination committee via videoconference or other means to take an oral examination

(10) Non-Eligibility: Those who meet any one of the following conditions are ineligible. If identified ineligible after being selected as a scholarship student, he/she must withdraw from the scholarship

① Those who are military personnel or military civilian employees at the time of their arrival in Japan or during the period of the payment of the scholarship

② Those who cannot arrive in Japan by the date specified by Tottori University

③ Those who are previous grantees of Japanese Government (MEXT) Scholarship programs (including those who withdraw from the scholarship program after acquisition of student status).

④ Those who are already receiving financial support from their own governments or other organizations are ineligible for the Japanese Government (MEXT) Scholarship

⑤ Those who are currently also applying to another program under the Japanese Government (MEXT) Scholarship system. This includes the programs for which scholarship payments will begin in FY2026.

⑥ Applicants whose academic score of previous two years does not meet the Japanese Government (MEXT) criteria can't apply.

⑦ Those who are expected to graduate at the time of application and cannot satisfy the condition of academic background by the deadline given.

⑧ Holders of dual nationality at the time of application who cannot verify that they will give up Japanese nationality by the time of the arrival in Japan (the acquisition of student status).

⑨ Those who plan to, from the time of application for the MEXT scholarship program, engage in long-term research (such as fieldwork or internship) outside Japan or plan to take a long-term leave of absence from the university.

⑩ Applicants who do not aim to obtain doctoral degree.

IV. Application Procedure

Applicants should submit the following documents through the desired major supervisor between January 5 and 20, 2026. Applications directly mailed to the UGAS are not accepted.

(1) Application in the prescribed form, APPLICATION FOR ADMISSION TO THE UNITED GRADUATE SCHOOL OF AGRICULTURAL SCIENCES TOTTORI UNIVERSITY, Special program for Dryland Agricultural Sciences with Reference to SDGs, 2026 (Form No.1)

(2) Curriculum Vitae (Form No.2)

(3) Another application in the prescribed form, 2026 APPLICATION FORM FOR JAPANESE GOVERNMENT (MEXT) SCHOLARSHIP

(4) Field of Study and Research Plan in the prescribed form.

(5) CERTIFICATE OF HEALTH completed by the examining physician within six months of the application date

(6) A written pledge in the prescribed form

(7) One copy of the applicant's Master's degree certificate or a certificate issued by the applicant's graduate school indicating that the applicant will be receiving a Master's degree by the end of September, 2026.

(8) Transcripts of academic records with English translations issued by the graduate schools that the applicant attended

(9) A letter describing the applicant's performance at the final school; the applicant's academic performance clearly indicated in a manner such as being in the top 5% in the class, GPA, etc.

(10) Master's Thesis

(A) Applicants who have completed a Master's course :

(a) A copy of the Master's thesis, or published manuscript (s) equivalent to the thesis.

(b) A summary of the Master's thesis in English(Use Form No.5) (Use A4 paper and fill out in about 1,200 words) .

(B) Applicants who anticipate receiving a Master's degree :

(a) Describe your research program in English (A4 size, about 5,000 words). This report may include tables and figures

(b) A summary of the research program in English. Details are as same (A)-(b)

(11) Research Proposal (Use Form No. 6): Describe your research proposal (goal, objectives, experimental design). Use A4 paper

(12) Letter of Application (Use Form No. 7): Describe why you choose our graduate course and state your future goals. Use A4 paper

(13) Short essay on Self-assessment (Use Form No. 8): Describe your self-assessment of the Admission Policy of the United Graduate School of Agricultural Sciences in about 500 words.

(14) A copy of certificate of citizenship such as passport or certificate of family register

(15) Recommendation letter from dean (or above) at the current university or other institutions addressed to the President of Tottori University

(16) A personal recommendation letter (A letter of recommendation from a professor or equivalent faculty member who has had personal interaction with the applicant and can attest to their educational and research capabilities.

(17) Proof of language ability that meets any one of the conditions in above III. (5) Language Proficiency (ex. A TOEFL, IELTS or JLPT score report or a language of education certificate)

(18) copies of publications described in item #14 in APPLICATION FORM FOR JAPANESE GOVERNMENT (MEXT) SCHOLARSHIP.

(19) The photos must be taken within the last six months, should be 4.5 x 3.5cm in size (to include upper body, full face and no hat). Applicant nationality and name must be written on the back, and the whole pasted on the designated place on the application form. Electronic data can be acceptable.

(20) Application fee：30,000yen

The application fee must be paid by bank transfer using the designated method between January 5, 2026 and January 20, 2026. For details regarding the transfer process, please contact the Academic Affairs Section, the UGSAS via E-mail: ag-rengaku@ml.adm.tottori-u.ac.jp.
Please note that the application fee will be refunded to the successful applicant upon the admission as MEXT scholarship student.

【Notes】

① These documents should be either typewritten or printed neatly in English or Japanese. Application forms can be downloaded from the Website (http://rendai.muses.tottori-u.ac.jp/japanese/news/index.php?cat=3)

② Applications will not be accepted unless all documents are fully and correctly completed and delivered by the due dates.

③ Applicants must be available for an oral interview with the members of the oral examination committee via videoconference or other means to take an oral examination.

④ None of the documents submitted will be returned to the applicants.

⑤ Applicants must indicate their preferred primary supervisor on the application form. Applications lacking the major supervisor's name will not be accepted. Furthermore, applicants are required to maintain close communication with their prospective major supervisor to develop a research plan (IV-(3)).

V. Selection for Recommendation

(1) Candidates for the Scholarship will be selected through a comprehensive evaluation of the oral examination, the documents submitted, and other elements

(2) Period of the oral examination：from February 2nd 2026 to February 10th 2026

(3) The oral examination will be conducted virtually (via the internet or similar means) and will focus primarily on the content of the master's thesis and the research proposal. The examination will last approximately 50 minutes, structured as follows: content explanation (approx. 30 minutes) and questions/discussion (approx. 20 minutes).The examination will be administered by members of the UGSAS Representative Committee.

(4) MEXT will select the MEXT Scholarship Student from the candidate recommended by Tottori University

(5) Notification will be sent by the beginning of June to the candidate who was selected for admission to the Special Program by MEXT

VI. Research guidance

The successful applicants will be enrolled as full-time graduate students and be expected to complete their thesis research for a doctoral degree within three years, under supervision and instruction mainly in English. Each student is supervised by the faculty members of the three constituent Universities; a professor as a major supervisor and two professors as sub-supervisors. Although each student studies at the constituent University where the applicant’s major supervisor resides, the applicant can use the training and research facilities at the other two constituent Universities.

VII. Benefits of the Scholarship

(1) The period of scholarship is from October 2026 to September 2029 (For three years)

(2) Scholarship payments: A monthly allowance of 145,000 yen (proposed charges)

(3) School fees: Entrance fee and tuition fee shall be waived.

(4) Round trip transportation to Japan

① Transportation to Japan

MEXT will stipulate the travel schedule and route and provide an airline ticket. The airline ticket will be an economy-class ticket for the flight from the international airport closest to the grantee’s

residence (in principle, the country of nationality) to an international airport in Japan used on the normal route to the accepting university. The grantee shall bear at his/her own expense all costs related to domestic travel from the grantee's residence to the nearest international airport, airport taxes, airport usage fees, special taxes necessary for travel, travel expenses within Japan (including airline transit costs), travel insurance expenses, carry-on luggage or unaccompanied baggage expenses, etc.

② Transportation from Japan

Based on the application by the grantee, MEXT will provide an airline ticket to grantees who shall graduate or complete Tottori university and return to the home country by the end of the final month of the period of scholarship designated by MEXT. MEXT shall provide an economy-class airline ticket from the international airport in Japan used for the normal route to and from Tottori university to the international airport (in principle, in the country of nationality) nearest to the returning grantee's residence. The grantee shall bear at his/her own expense all costs related to travel from the grantee's residence in Japan to the nearest international airport, airport taxes, airport usage fees, special taxes necessary for travel, travel expenses within the country of nationality (including airline transit costs), travel insurance expenses, carry-on luggage or unaccompanied baggage expenses, etc.

(5) Insurance for International Students

① Personal accident insurance for students pursuing education and research (Hereafter "GAKKENSAI"): This insurance compensates for physical injuries suffered students in their intra-curricular activities both on and off campus, and extra-curricular activities on campus. All students enrolled have to pay the premium of 3,620 yen for three years.

② The Comprehensive Insurance for Students Lives Coupled with GAKKENSAI for International Students FUTAI-GAKUSO：This insurance is contingent upon enrollment in GAKKENSAI, and provides a wide range of support for student life, including personal liability, permanent disability, medical expenses for daily injuries, rescue expenses, and accidental damage to household goods in the residence. (Unlike "GAKKENSAI", there is no restriction on time and place) All International students enrolled have to pay the insurance premiums (3 years):33,370 yen (Type D). The amount varies depending on the type of subscription.

[Additional Benefits] The National Health Insurance scheme is a fundamental part of Japan's medical care system. It is designed to cover a portion of the medical expenses incurred by citizens. To apply for National Health Insurance, go to your local municipal government offices and follow the required procedures as instructed. After joining the scheme, you will only be responsible for paying 30% of any medical expenses you incur. (Exceptions apply in some cases.

VIII. Other Notes

(1) Payment of the scholarship will be cancelled for the reasons given below. Should any of the following reasons apply, the grantee may be ordered to return a part of, or all of, the scholarship paid up to that time. Payment of the scholarship may also be stopped during the period up to the decision on the disposition of the matter.

① A grantee is determined to have made a false statement on his/her application.

② A grantee violates any article of his/her pledge to the Minister of Education, Culture, Sports, Science and Technology

③ grantee violates any Japanese laws and is sentenced and imprisoned for an indefinite period or for a period exceeding 1 year.

④ A grantee is suspended from his/her university or receives other punishment, or is removed from enrollment, as a disciplinary action in accordance with school regulations of the accepting institution

⑤ It has been determined that it will be impossible for a grantee to complete the course within the standard period of study because of poor academic grades or suspension or absence from the university

⑥ A grantee came to Japan without newly acquiring the “Student” residence status or changed his/her residence status to one other than “Student.”

⑦ A grantee has received another scholarship (a scholarship or fellowship from Japanese government, a Japanese government-related organization and others) not approved for acceptance in conjunction with the MEXT Scholarship.

⑧ A grantee withdraws from his/her university or transfers to another university

⑨ A grantee’s annual GPA is below 2.30 or the grading standard set by the university

(2) If a grantee is absent from the university for an extended period, the scholarship shall be suspended for that period.

(3) If false statements were made in the application documents, the applicant’s admission shall be canceled even after having been accepted in the United Graduate School.

(4) Upon enrollment, new students are strongly advised to familiarize themselves with Japanese climate, customs, manners, and general cultural aspects before arrival. Prior study of the Japanese language is highly recommended, as Japanese language skills will be essential for daily life.

More detailed information and all correspondence about this program is available from:

The United Graduate School of Agricultural Sciences Tottori University
4-101, Koyama-Minami, Tottori, 680-8553 Japan
Tel: 81-857-31-5446 (81 is the international code for Japan)
Fax: 81-857-31-5683 (81 is the international code for Japan)
E-mail: ag-rengaku@ml.adm.tottori-u.ac.jp

Addresses of Constituent Universities:

*Tottori University
Faculty of Agriculture, Tottori University
4-101, Koyama-Minami, Tottori, 680-8553 Japan
Tel: 81-857-31-5446 (81 is the international code for Japan)

*Shimane University
Faculty of Life and Environmental Science, Shimane University
1060, Nishikawatsu, Matsue, 690-8504 Japan
Tel: 81-852-32-6492 (81 is the international code for Japan)

*Yamaguchi University
Faculty of Agriculture, Yamaguchi University
1677-1, Yoshida, Yamaguchi, 753-0841 Japan
Tel: 81-83-933-5800 (81 is the international code for Japan)

List of Major Supervisors and their Research Interests

The United Graduate School of Agricultural Sciences offers doctoral programs in the following three major courses : Bioproduction and Bioenvironmental Sciences ; Bioresource and Life Sciences and Global Dryland Science. Each course contains one to four Divisions ; and each Division offers basic and applied research programs. Faculty members (Professors and Associate Professors who serve as Major Supervisors) and their active research programs are listed below.

1. THE COURSE OF BIOPRODUCTION AND BIOENVIRONMENTAL SCIENCES

(a) Division of Agricultural Production Science

ARAKI Hideki (Y)	Agronomy	Function of plant production under environmental stresses and its agronomical application
KOBAYASHI Nobuo (S)	Horticultural Breeding	Evaluation of plant genetic resources and applications for breeding
TAKAHASHI Tadashi (Y)	Crop Science	Establishment of low-cost and low-input crop cultivation systems
TAKEMURA Yoshihiro (T)	Horticultural Science	Studies on the crop ecophysiology in horticultural crops
TANAKA Hiroyuki (T)	Plant Genetics	Genetic and breeding studies on improving quality of wheat flour
TSURUNAGA Yoko (S)	Food Processing	Studies on manufacturing method and functionality in food processing
NAKATSUKA Akira (S)	Molecular Breeding of Horticultural Crop	Molecular breeding for agriculturally useful traits in horticulture crops
NONAMI Kazuyoshi (T)	Agricultural Production Engineering	Mechanization of agricultural work
MATSUMOTO Shingo (S)	Biochemistry of Soil and Plant Nutrition	Studies on the mechanism of plant nutrient acquisition in relation to soil fertility
YANO Akira (S)	Bioenvironmental Electrical Engineering	Application of electrical engineering to bioenvironmental technologies

(b) Division of Managerial Economics

ASRES Elias Baysa (T)	Rural Development and Agricultural Extension	Socio-economic studies of rural and agricultural development interventions in Africa and Southeast Asia, with a particular focus on understanding their effects on farm productivity, livelihoods, and poverty alleviation
TSUTSUI Kazunobu (T)	Rural Geography	Studies on regional economy and community development in Rural areas
MATSUDA Toshinobu (T)	Economics of Consumer Behavior	Empirical analysis of consumer behavior, especially food demand
MATSUMURA Ichizen (T)	Farm Management	Studies on the relationship between farm management and rural society
WAN Li (T)	Marketing Information Analytics	Agricultural products distribution channels and econometric analysis of market information
YASUNAGA Nobuyoshi (S)	Regional Economics	Sustainability of farmlands, communities, and economies in less favored areas
YASUNOBU Kumi (T)	International Agricultural Development Studies	Agricultural and rural development in Southeast Asia

(c) Division of Forest and Watershed Environmental Sciences

ISHII Masayuki (S)	Regional Infrastructure Engineering	Development of designing method for renovation of irrigation facilities

IWASAKI Nobusuke (T)	Geographic Information Science	Application of Free and Open Source Software for Geospatial (FOSS4G) and Open Data for analyzing historical landscape changes in Satochi-Satoyama (traditional rural areas)
KUBO Masako (S)	Plant Ecology	Plant ecology, vegetation and conservation
NAGAMATSU Dai (T)	Plant Ecology	Population dynamics of forest and grassland, vegetation science and biodiversity conservation.
FUJIMOTO Takaaki (T)	Wood Physics	Analysis of wood property variation, and development of measurement techniques
YOSHIMURA Tetsuhiko (S)	Forest Utilization	Social and technological issues in forest utilization and wood harvesting

(d) Division of Environmental Bioscience

ARANISHI Futoshi(S)	Conservation ecology	Conservation genetics and evolutionary ecology of hydrobiosphere
UENO Makoto (S)	Plant Pathology	Studies on the expression of resistance in plant-microbe interaction
KAMINAKA Hironori (T)	Plant-Microbe Interactions	Molecular mechanisms of immune response and mycorrhizal symbiosis in plants
KARASAWA Shigenori (T)	Biodiversity	Genetic diversity and species diversity of invertebrates
KIHARA Junichi (S)	Plant Pathology	Photoresponces of the phytopathogenic fungi
NAKA Hideshi (T)	Applied Entomology	Revealing the chemical ecology of insects, mainly moths, and their application to agricultural pest control
HOSOI Eiji (Y)	Applied Animal Ecology	Ecological study of pest and/or endangered animal species for conservation and management
YAMAGUCHI Keiko (S)	Aquatic Ecology	Studies on ecology of benthic animals and aquatic environments

2. THE COURSE OF BIORESOURCE AND LIFE SCIENCES

(a) Division of Fungus and Mushroom Sciences

AIMI Tadanori (T)	Biochemical Technology of Microorganisms	Biochemistry, molecular biology and biotechnology of microbial production
SHIMOMURA Norihiro (T)	Mushroom Breeding and Cultivation	Studies on breeding and cultivation of mushroom resources
SOTOME Kozue (T)	Mushroom Phylogeny and Taxonomy	Phylogenetic taxonomy of mushrooms, and ecological researches of wood-decaying basidiomycetes.

(b) Division of Bioscience and Biotechnology

ARIMA Jiro (T)	Bio-Functional Chemistry	Functional analysis of enzymes and microorganisms, and their application to industry
ISHIKAWA Takahiro (S)	Plant Molecular Physiology	Biosynthesis pathway of antioxidants and metabolism of reactive oxygen species in photosynthetic organisms
IWASAKI Takashi (T)	Bioregulatory Chemistry	Development and screening of bioactive substances regulating biological function
SHIOTSUKI Takahiro (S)	Insect Chemical Biology and Agrobio-Regulators	Chemical biology and molecular mechanisms in regulation of insect development and their applications
MATSUO Yasuhiro (S)	Microbial Genetics	Cell signaling and cell cycle control in fission yeast
MARUTA Takanori (S)	Plant Physiology	Redox metabolism network and stress response in plants

YAMAMOTO Atsushi (T) *[1]	Mass spectrometry in Environmental Science	Exploration and evaluation of functional or toxic substances in the environment using mass spectrometry

(c) Division of Applied Bioresource Chemistry

ISHIHARA Atsushi (T)	Natural Product Chemistry	Function, Biological activity, and Biosynthesis of metabolites produced by plants and microorganisms
ICHIYANAGI Tsuyoshi (T)	Organic Chemistry	The molecular design and functional analysis of bioactive compounds
KAWANO Tsuyoshi (T)	Bioorganic Chemistry	Regulation of diapause, metabolism and longevity corresponding to the growth environment
JISAKA Mitsuo (S)	Chemistry in Food Function	Modification of functional components in foods using enzymes and microorganisms
SHIMIZU Hidehisa (S)	Nutritional Pathophysiology	Study on the relationship between food-derived bacterial metabolites or cyanobacteria-derived toxins, and pathogenesis of diseases
TAMURA Jun-ichi (T)	Organic Chemistry	Chemical synthesis of bioactive glycans and isolation/characterization of natural glycans
BITO Tomohiro (T)	Food Function	Research on the biological functions of vitamins and other food components contained in foods
MUROTA Kaeko (S)	Bioavailability and Food Function	Bioavailability and physiological function of lipophilic food factors
YABUTA Yukinori (T)	Nutritional Science	Studies on the function of antioxidant vitamins and oxidative stress response
YAMAMOTO Tatsuyuki (S)	Bio-molecular Spectroscopy	Spectroscopic studies on life science and medical applications

3. THE COURSE OF GLOBAL DRYLAND SCIENCE

(a) Division of Global Dryland Science

AKASHI Kinya (T)	Molecular and Cellular Biology	Molecular responses of drought-tolerant plants and their application to molecular breeding
AYEHU Nigussie Haregeweyn (T)	Land Management	Watershed processes monitoring, modeling and management
AN Ping (T)	Plant Eco-Physiology	Physiological responses and relative mechanisms of plants and plant ecophysiology in dry lands
ISHII Takayoshi(T)	Plant Cytogenetics	Improving crops through cellular engineering methods
ICHINOHE Toshiyoshi (S)	Livestock Feeding	Evaluation of ruminants production system
INOSAKO Koji (T)	Soil and Water Management	Conservation, restoration and sustainable use of soil and water environment
IBARAKI Yasuomi (Y)	Bio-environmental Control Engineering	Environmental control in plant production
ENDO Tsuneyoshi (T)	Soil Chemistry	Influence of soil properties and irrigation water quality on soil salinization/sodication in irrigated farmlands of arid regions
OGATA Hidehiko (T)	Irrigation and Drainage Facilities Engineering	Evaluation of construction materials and structural performance of irrigation and drainage structures
KISHII Masahiro (T)*[2]	Plant Genetic Resource Development	Research and utilization of plant genetic resources with high environmental tolerance for breeding
KINUGASA Toshihiko (T)	Dryland Restoration and Conservation Ecology	Ecology and ecophysiology of plants in arid and semi-arid grasslands
KIMURA Reiji (T)	Boundary Layer Meteorology	Heat and water balance in arid lands

KUROSAKI Yasunori (T)	Dryland Climatology	Climate change and variability, wind erosion, dust emission in drylands, and impacts of aeolian dust on climate
SAKUMA Shun (T)	Plant breeding	Genomic breeding of Triticeae plants
SHIMIZU Katsuyuki (T)	Water Use and Management	Monitoring and assessment of irrigation water management
SUZUKI Kenji (Y)	Meteorology	Observational study on precipitation mechanisms and development of instruments for hydrometeor measurements
TAGAWA Kotaro (T)	Renewable Energy Engineering	Technological development and optimal design of renewable energy systems and components
TANIGUCHI Takeshi (T)	Microbial Ecology	Soil and root microbial ecology and the application
TSUBO Mitsuru (T)	Climate Risk Management	Dryland agrometeorology and climate-smart agriculture
NISHIHARA Eiji (T)	Crop Production in Drylands	Construction of crop production system in areas including drylands
HYODO Masahiro (T)	Facilities and Environmental Materials	Rehabilitation management of agricultural irrigation facilities and development of environmental materials
FUJIMAKI Haruyuki (T)	Soil Conservation	Development of methods for preventing salt accumulation and erosion and remediation of degraded soils
YAMADA Satoshi (T)	Plant Nutrition	Mechanisms of Response to Stresses of Plants in Arid Regions

Abbreviations; T : Tottori University, S : Shimane University, Y : Yamaguchi University.

＊[1] ; Cooperation with Tottori University of Environmental Studies

＊[2] ; Cooperation with Japan International Research Center for Agricultural Sciences