DIRECTIONS FOR APPLICATION

FOR

THE SPECIAL PROGRAM FOR BIORESOURCE UTILIZATION SCIENCE OF FUNGUS AND MUSHROOM, 2019

(THREE-YEAR DOCTORAL COURSE)

The United Graduate School of Agricultural Sciences

Tottori University

Japan

The United Graduate School of Agricultural Sciences (UGAS), Tottori University, was founded in 1989 as an independent three-year Doctoral course. The UGAS is organized on the basis of the three Master's Courses of Tottori, Shimane and Yamaguchi Universities, and the research facilities at the Universities. The UGAS is operated in close alliance and cooperation with the Master's Courses of the three constituent Universities.

The Special Program (SP) for bioresource utilization science of fungus and mushroom in the UGAS is designed for those students who have finished the Special Program of the Master's courses (Pre-Doctoral Courses) at the constituent Universities; Tottori, Shimane and Yamaguchi. Because the SP at the UGAS is to be open as of October 2019, the UGAS invites application from prospective foreign students who wish to study bioresource utilization science of fungus and mushroom under the Japanese Government (MEXT) Scholarship Program.

Ⅰ. PURPOSE OF THE SPECIAL PROGRAM

This Special Program (SP) is designed to provide academically advanced education to study bioresource utilization science of fungus and mushroom, and aims to contribute to the development of superior human resources, promoting research on bioresource utilization science of fungus and mushroom.

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

1. Fields of Study: Applications for any field in bioresource utilization science of fungus and mushroom and related fields are accepted, provided that each applicant finds a suitable academic major advisor in the annexed "List of Supervisors and Their Research Interests".
2. Number of Students to be admitted: Three students funded by the Scholarship from the Japanese Government (MEXT) (hereafter "Scholarship").

Ⅲ. QUALIFICATIONS

(1) Nationality: Applicants under the MEXT Scholarship should not be living in Japan at the time of application. Applicants should be nationals from countries which have a diplomatic relation with Japanese government.

(2) Age: Applicants should be under 35 years of age as of April 1, 2019; those born on or after April 2, 1984.

(3) Academic career: Applicants should have or be expected to earn a Master's degree by the end of September 2019.

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

(5) Language proficiency: A good working level in English is required.

(6) Arrival in Japan: MEXT Scholarship grantees must arrive in Japan between October 1 and 7, 2019.

(7) Visa: Applicant must have a student visa

(8) Applicants who are officially recommended by a university which holds an exchange agreement or has practically exchanged research activities with Tottori University (including the 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) 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 Military related personnel are not eligible to apply.

② Persons who can't come to Japan on the specified dates can't apply.

③ Those who have been engaged in education and research for approximately 3 years in their own countries after the last Japanese Government (MEXT) Scholarship was granted can't apply.

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

⑤ Those who have already applied for the 2019 other Japanese Government (MEXT) scholarship programs through other Japanese universities or Japanese embassies or consulates; or the 2019 Japan Student Services Organization (JASSO) scholarship for the Short-term Student Exchange Promotion Program; or those students who are currently enrolled under JASSO Scholarship cannot apply.

⑥ Applicants who are already enrolled or will enroll at a university in Japan as a privately-financed overseas student in 2019 at the time of application cannot apply.

⑦ Applicants whose academic score of previous two years does not meet the Japanese Government (MEXT) criteria can't apply. (For detailed information, please refer to the desired major supervisor.)

⑧ Those who wish to conduct fieldwork or participate in an internship outside of Japan at the time of application.

⑨ Admission may be canceled, if successful applicants do not hold a Master's or equivalent degree by the end

of September, 2019.

⑩ Applicants of dual nationality who cannot prove their expatriation of the Japanese nationality at the time of application.

⑪ Applicants who do not aim to obtain doctoral degree.

Ⅳ. APPLICATION PROCEDURE

Applicants should submit the following documents through the desired major advisor between January 18 and 31, 2019. Applications directly mailed to the UGAS are not accepted.

Documents:

(1) Application in the prescribed form, APPLICATION FOR ADMISSION TO THE UNITED GRADUATE SCHOOL OF AGRICULTURAL SCIENCES, TOTTORI UNIVERSITY, 2019 (Form No. 1).

(2) Another application in the prescribed form, APPLICATION FORM FOR JAPANESE GOVERNMENT (MEXT) SCHOLARSHIP (Double-sided printing)

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

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

(5) A written pledge in the prescribed form.

(6) LETTER OF APPLICATION in English (about 1,200 words). Use A4 paper and attach a cover sheet (Form No.3).

(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, 2019.

(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) A summary of the Master's thesis or a summary of the research program

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

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

(b) A summary of the master's thesis in English (about 1,200 words). Use A4 paper and attach a cover sheet (Form No. 4).

(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 the same as in ((A)-(b))

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

(12) A recommendation letter from the dean of the applicant's university or graduate school addressed to the President of

Tottori University.

(13) A personal recommendation letter (A recommendation letter from the applicant's supervisor of his/her master course.).

(14) Copy(ies) of a record of English proficiency test such as TOEFL, TOEIC, IELTS, United Nations Associations Test of English, University of Cambridge ESOL or The EIKEN Test in Practical English Proficiency.
The applicant planning to submit a score sheet proving his/her English ability other than the above documents must consult with the Academic Affairs Section of the UGSAS before his/her application.

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

(16) Three photographs should be pasted in the designated place on the application forms. Photographs should be taken from the front, from the chest up, bare-headed, and taken within 6 months of application with the applicant's name and nationality on the reverse side. One photograph (4.5 x 3.5cm) and two photographs (4.5 x 3.5cm)

Notes:

① These documents should either be typed or printed neatly in English. Application forms can be downloaded from the Website (http://rendai.muses.tottori-u.ac.jp/english/recruit/index.html).

② Applications will not be accepted unless all the documents mentioned above are fully and correctly completed and delivered to the constituent University by January 31, 2019.

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 Each applicant should select a professor as prospective major supervisor and contact the professor in advance in preparing the application documents. Applications failing to nominate a professor will not be accepted.

⑥ Once an applicant applies for admission for a Japanese Government (MEXT) Scholarship, the applicant must not withdraw from it.

Ⅴ. Examination period

From February 15 to 28 February, 2019

Ⅵ. Benefits of the Scholarship

(1) The period of scholarship is from October 2019 to September 2022

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

(3) School fees: All school fees, *i.e.*, entrance examination, registration and tuition, shall be waived.

(4) Round Trip transportation to Japan

① A recipient will be supplied, according to the itinerary designated by MEXT, with an economy class air ticket from the international airport nearest to the applicant's home address to the International Airport which the participating University of the United Graduate School finds more desirable from an economical viewpoint. Expenses such as domestic transportation from his/her home address to the international airport, airport tax, airport usage fees, special taxes on travel, or travel expenses within Japan will NOT be supplied.

② At the end of the term, a recipient who is going back to their home country within the specific period after the expiration of their Scholarship will be supplied, according to their application, with an economy class air ticket from International Airport, which the participating University of the United Graduate School finds it more desirable from an economical viewpoint, to the international airport nearest to their home address. Note 1: Expenses incurred for travel from the designated international airport in Japan to the constituent University of the UGAS and the costs of insurance for the entire trip are NOT reimbursable.

Note 2: If a grantee continues to stay in Japan after the scholarship period has ended, he/she will not be paid travel expenses to return home as the temporary return.

(5) ①Casualty insurance for the recipient's educational activities: 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 2,600 yen for three years.

②Insurance for International Students (Type B) : This insurance covers (1) in case of causing injury to another person or damaging the property of others, (2) compensate for the payment of transportation and accommodation expenses in case family members come to Japan to support the insured if he/she is hospitalized due to injury or illness for more than 3 days. (Unlike "Gakkensai", there is no restriction on time and place)

Insurance premiums (3 years): 4, 680 yen

[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.)

Ⅶ. ADMISSION FOR RECOMMENDATION TO MONBUKAGAKUSHO SCHOLARSHIP

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

(2) During an interview for the oral exam conducted via videoconference, at least three members of the oral exam committee (who are one or more faculty members of each of the constituent universities and which include the prospective major supervisor) will spend about 50 minutes reviewing the master's thesis and the research proposal (roughly 30 minutes for the description of the Master's thesis and 20 minutes for questions and answers).

(3) The method of the oral exam is subject to approval by the board of representatives following the submission of the Notice of the Method of the Oral Exam (Form No. 12) by the prospective major supervisor to the dean of the faculty.

(4) MEXT will select the recipients from candidates recommended by Tottori University.

(5) Notification will be sent by the beginning of August to applicants who were selected for admission to the Special Program by MEXT.

Ⅷ. EDUCATION

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.

Ⅸ. RESERVATIONS

(1) A recipient will be deprived of the Scholarship in the following cases:

① False statements in the documents.

② Violation of the pledge made to the Minister of MEXT.

③ Being sentenced to imprisonment of more than one year due to violation of Japan's laws and regulations

④ Being subjected to disciplinary action such as expulsion or removal from register by his/her university, and no promise of academic achievement. (The scholarship payment may be stopped during the period up until punishment is decided by the university)

⑤ Being definitive that the grantee will not be able to graduate (or complete his/her doctoral course) within the standard course term because of his/her poor academic achievement or suspension or leaving school

⑥ Switch of the visa status from Student to others.

⑦ Receiving a scholarship, except for a scholarship designated for research expenses, from any other organization including an organization in your own country.

⑧ Retiring from the SP or transferring to another university.

(2) As a general rule, the scholarship is not provided for the period when the foreign student takes a leave of absence or the student is absent for a long time.

(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) With enrollment, new students are advised to become well informed about the Japanese climate, customs, manners, and other cultural aspects in general before coming to Japan. It is strongly recommended that they study the Japanese language. Knowledge of the Japanese language is very helpful to new-comers to Japan.

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@adm.tottori-.ac.jp

Addressess 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)
Fax: 81-857-31-5683 (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)
Fax: 81-852-32-6499 (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)
Fax: 81-83-933-5820 (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 four major courses : Bioproduction and Bioenvironmental Sciences ; Bioresources 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

Toshiki ASAO(SN)	Vegetable and Ornamental Science	Production of vegetables and ornamentals
Katsumi OHTA(SN)	Horticultural Plant Science	Studies on growth control in horticultural plants
Ichiro KITA(SN)	Water and Vegetation use Planning	Water use planning and management, and improvement by vegetation
Nobuo KOBAYASHI(SN)	Horticultural Breeding	Evaluation of plant genetic resources and applications for breeding
Donghe XU*(TT)	Plant genetic resources	Genetic studies on environmental stress tolerance in crops
Tadashi TAKAHASHI(YG)	Crop Science	Establishment of low-cost and low-input crop cultivation systems
Fumio TAMURA(TT)	Physiology of Fruit Trees	Studies on the control of endodormancy in Japanese pears
Akira NAKATSUKA(SN)	Molecular Breeding of Horticultural Crop	Molecular breeding for agriculturally useful traits in horticulture crops
Yoshimichi FUKUTA*(TT)	Crop Breeding and Genetics	Breeding sciences for diversity, differentiation, and genetic mechanism for agricultural traits in rice
Shingo MATSUMOTO(SN)	Biochemistry of Soil and Plant Nutrition	Studies on the mechanism of plant nutrient acquisition in relation to soil fertility
Toshikazu MATSUMOTO(SN)	Fruit science	Studies on fruit growing and processed food
Akira YANO(SN)	Bioenvironmental Electrical Engineering	Application of electrical engineering to bioenvironmental technologies
Haruhiko YAMAMOTO(YG)	Environmental Information Science	Growth diagnosis of plant canopies by optical measuring methods

Abbreviations; TT : Tottori University, SN : Shimane University, YG : Yamaguchi University.
＊ ; Cooperation with Japan International Research Center for Agricultural Sciences

(b) Division of Managerial Economics

Yasuhiro ITO(SN)	History of Fisheries	Study on history of agricultural, fisheries and rural problems in modern Japan
Norikazu INOUE(SN)	Farm Management	Farming practices and resource management on farm businesses
Makoto NOHMI(TT)	Rural Economics	Development and application of regional analysis methods
Toshinobu MATSUDA(TT)	Economics of Consumer Behavior	Empirical analysis of consumer behavior, especially food demand
Ichizen MATSUMURA(TT)	Farm Management	Studies on the relationship between farm management and rural society

Li WAN（TT）	Marketing Information Analytics	Agricultural products distribution channels and econometric analysis of market information
Kumi YASUNOBU(TT)	International agricultural development studies	Agricultural and rural development in Southeast Asia

(c) Division of Forest and Watershed Environmental Sciences

Masayuki ISHII（SN）	Regional infrastructure Engineering	Development of designing method for renovation of irrigation facilities
Katsuhisa ITO（SN）	Forest Policy	Forests, forestry and less-favored area problems and policy
Tomoyuki KUWABARA（SN）	Water Environmental Conservation	Studies on conservation and restoration of water environment, and purification of waste water and environmental water
Ikuo TAKEDA（SN）	Water Quality and Hydrology	Evaluation and control of nonpoint sources in watersheds
Nobuo TSURUSAKI（TT）	Animal Taxonomy	Biodiversity, chromosomes, evolution, and conservation of land invertebrates
Ryota NAGASAWA（TT）	Landscape Ecology	Landscape ecological analysis on the physical and human environment in mountainous regions
Dai NAGAMATSU（TT）	Plant Ecology	Population dynamics of forest and grassland, vegetation science and biodiversity conservation.
Yoshiyuki HIOKI（TT）	Conservation and Restoration Planning of Ecosystem	Ecological planning and engineering for conservation and restoration of biodiversity
Takaaki FUJIMOTO(TT)	Wood physics	Analysis of wood property variation, and development of measurement techniques
Hiroshi YAJIMA（SN）	Environmental Fluid Dynamics	Water environment and hydrodynamics in a water body

(d) Division of Environmental Bioscience

Futoshi ARANISHI（SN）	Genetic Ecology	Molecular evolutionary, ecological and conservative genetics of aquatic organisms
Kazuhito ITOH（SN）	Soil Microbiology	Plant- microbe interaction
Shinichi ITO（YG）	Plant Pathology	Functional genomics of plant pathogens
Makoto UENO（SN）	Plant Pathology	Studies on the expression of resistance in plant-microbe interaction
Hironori KAMINAKA（TT）	Plant-Microbe Interactions	Molecular mechanisms of immune response and mycorrhizal symbiosis in plants
Junichi KIHARA（SN）	Plant Pathology	Photoresponces of the phytopathogenic fungi
Motoichiro KODAMA（TT）	Plant Pathology	Molecular mechanisms in plant-microbe interactions and plant disease resistance
Yoko TAKEMATSU（YG）	Ecological Entomology	Biodiversity and ecology of termites
Ryoichi MIYANAGA(SN)	Insect Ecology	Biology and management of wild bees
Keiko YAMAGUCHI（SN）	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

Tadanori AIMI (TT)	Biochemical Technology of Microorganisms	Biochemistry, molecular biology and biotechnology of microbial production
Norihiro SHIMOMURA (TT)	Mushroom Breeding and Cultivation	Studies on breeding and cultivation of mushroom resources
Akira NAKAGIRI (TT)	Fungal Biodiversity	Taxonomy, ecology and evolution of fungi adapted to aquatic habitats
Nitaro MAEKAWA (TT)	Mushroom Taxonomy and Ecology	Biodiversity and ecological function of mushrooms

(b) Division of Bioscience and Biotechnology

Kazuhito AKAMA (SN)	Plant Molecular Biology	Study on regulatory mechanism of tRNA gene expression and physiological function of γ-aminobutyric acid in plants
Masaaki AZUMA (TT)	Molecular Entomology	Molecular analysis of insect cell functions and their application to insect control
Jiro ARIMA (TT)	Bio-Functional Chemistry	Functional analysis of enzymes and microorganisms, and their application to industry
Takahiro ISHIKAWA (SN)	Plant Molecular Physiology	Biosynthesis pathway of antioxidants and metabolism of reactive oxygen species in photosynthetic organisms
Makoto KAWAMUKAI (SN)	Genetic Engineering	Signal transduction, cell cycle control and biosynthesis of coenzyme Q in yeasts
Akihiko KOSUGI* (TT)	Applied Microbiology	Development of biomass utilization technology using microbial functions
Yuuki KODAMA (SN)	Symbiotic biology	Elucidation of the mechanism that establishes endosymbiosis between the *Paramecium bursaria* and *Chlorella* spp.
Takahiro SHIOTSUKI (SN)	Insect Chemical Biology and Agrobio-Regulators	Chemical biology and molecular mechanisms in regulation of insect development and their applications
Tsuyoshi NAKAGAWA (SN)	Plant Molecular Genetics	Molecular mechanisms of plant development and technology for analysis of plant genes
Akio NISHIKAWA (SN)	Developmental Biology-Animal	Studies using amphibian about cell growth, differentiation, apoptosis, and morphogenesis
Jun'ichi MANO (YG)	Mechanisms of Environmental Stress-tolerance in Plants	Elucidation and application of plant tolerance mechanisms against abitotic environmental stresses
Takanori MARUTA (SN)	Plant physiology	Redox metabolism network and stress response in plants

(c) Division of Applied Bioresource Chemistry

Hiroyuki AZAKAMI (YG)	Molecular Microbiology	Molecular mechanisms of bacterial colonization to host surface
Atsushi ISHIHARA (TT)	Natural Product Chemistry	Function, Biological activity, and Biosynthesis of metabolites produced by plants and microorganisms
Tsuyoshi ICHIYANAGI(TT)	Organic Chemistry	The molecular design and functional analysis of bioactive compounds
Tsuyoshi KAWANO (TT)	Bioorganic Chemistry	Regulation of diapause, metabolism and longevity corresponding to the growth environment
Hidehisa SHIMIZU (SN)	Nutritional Pathophysiology	Study on the relationship between food-derived bacterial metabolites or cyanobacteria-derived toxins, and pathogenesis of diseases
Jun-ichi TAMURA (TT)	Organic Chemistry	Chemical synthesis of bioactive glycans and isolation/characterization of natural glycans

Kaeko MUROTA（SN）	Bioavailability and Food Function	Bioavailability and physiological function of lipophilic food factors
Tatsuyuki YAMAMOTO（SN）	Bio-molecular spectroscopy	Spectroscopic studies on life science and medical applications
Kazushige YOKOTA（SN）	Biochemistry and Molecular Cell Biology	Molecular cell biology of food and related substances involved in bioinformation, nutrition, and health
Fumio WATANABE（TT）	Food Science	Chemistry and nutrition of vitamin B12 and related compounds in food

3. THE COURSE OF GLOBAL DRYLAND SCIENCE

(a) Division of Global Dryland Science

Kinya AKASHI（TT）	Molecular and Cellular biology	Molecular responses of drought-tolerant plants and their application to molecular breeding
Nigussie Haregeweyn AYEHU（TT）	Land Management	Watershed processes monitoring, modeling and management
AN Ping （TT）	Plant Eco-Physiology	Physiological responses and relative mechanisms of plants and plant ecophysiology in dry lands.
Toshiyoshi ICHINOHE（SN）	Livestock Feeding	Evaluation of ruminants production system
Koji INOSAKO(TT)	Soil and Water Management	Conservation, restoration and sustainable use of soil and water environment
Yasuomi IBARAKI（YG）	Bio-environmental Control Engineering	Environmental control in plant production
Hidehiko OGATA（TT）	Irrigation and Drainage Facilities Engineering	Evaluation of construction materials and structural performance of irrigation and drainage structures
Reiji KIMURA（TT）	Boundary Layer Meteorology	Heat and water balance in arid lands
Toshio SATO（SN）	Environmental Sanitary Engineering	Development of new technology and functional materials for wastewater treatment systems and control of environmental water quality
Katsuyuki SHIMIZU（TT）	Water Use and Management	Monitoring and assessment of irrigation water management
Hisashi TSUJIMOTO（TT）	Molecular Breeding	Breeding of drought tolerant crop lines by gene and chromosome engineering
Atsushi TSUNEKAWA（TT）	Conservation Informatics	Monitoring and modeling of plant production and ecosystem change in drylands
Mitsuru TSUBO（TT）	Climate Risk Management	Dryland agrometeorology and climate-smart agriculture
Haruyuki FUJIMAKI（TT）	Soil Conservation	Development of methods for proventing salt accumulation and erosion and remediation of degraded soils
Tsugiyuki MASUNAGA（SN）	Pedosphere Ecological Engineering	Control and use of soil functions of environmental protection-restoration and plant production
Satoshi YAMADA（TT）	Plant Nutrition	Mechanisms of Response to Stresses of Plants in Arid Regions
Norikazu YAMANAKA（TT）	Revegetation in Arid Land	Ecological studies on woody plants in arid lands
Sadahiro YAMAMOTO（TT）	Environmental Soil Science	Conservation of soil environment and sustainable use of farmland in arid regions