

Okayama University

Graduate School of Environmental and Life Science

Graduate School code: 38

Web site: http://www.gels.okayama-u.ac.jp/index_e.html

1. Graduate School code	38		
2. Maximum number of participants	5 Participants per year		
3. Fields of Study	 Environmental Science Marine Science Meteorology Natural Disaster/ Disaster Prevention Science Tourism Politics Economics Sociology Education Engineering Agriculture (incl. Fisheries) Geology ICT Medical Science Others() 		
Sub Fields	[Agriculture] Irrigation, Water and Soil Management, Crop Science, Biochemistry, Microbiology, Food Science, Livestock Science and Animal Medicine, Forest Resources, Horticulture, Agricultural Engineering, Other Agricultural Fields [Environmental Science]		
4 Program and Degree	Program	Global Science Course	
4. 1 Togram and Degree	Degree	Master of Agriculture, Master of Environmental Science	
5. Standard time table (Years needed for graduation)	Starting as a research student up to 6 month, then 2 years as a Master's student		
6. Language of Program	 (1) Lecture: English only (2) Textbook: English and/or Japanese (3) Laboratory work: Generally instructed by the supervisor in English. (4) Seminar: Seminars with Japanese students are generally in Japanese with support in English. 		
7. Desirable English level	Linguistic Ability TOEFL IBT:80、PBT:550 is required		
and Necessary Academic background	EJU, IELTS, (or else	FRE	
8. Prior Inquiry From Applicants (Before Submission of Application Documents)	See information	n of 10. Professors and Associate Professors	
9. Website	 (1) Graduate School of Environmental and Life Science <u>http://www.gels.okayama-u.ac.jp/en/relation/division/bioreso.html</u> (2) Okayama University <u>http://www.gels.okayama-u.ac.jp/en/profile/index.html</u> 		

	Name	Research Subject, Contact (e-mail), Special message for the Future students	
	Department of Biofunctional Chemistry		
	Kanzaki	Research area: Chemistry of Bioactive compound Research theme: Search and Production of Useful Bioactive Compounds Using Cells or Enzymes	
	Hiroshi	http://www.okayama-u.ac.jp/user/agr/eng/course_ab/cbc.html	
	Professor	[Contact(e-mail)] hkanzaki@okayama-u.ac.jp	
	Kimura	Research Area: Applied Enzyme Chemistry Research theme:Functional Analysis and Application of Bioactive Glycoconjugates	
	Yoshinobu	http://www.okayama-u.ac.jp/user/agr/eng/course_ab/funcgly.html	
	Professor	[Contact(e-mail)] yosh8mar@okayama-u.ac.jp	
	1 1.17	Research Area: Functional Glycobiochemistry Research theme:Structural and Functional Analysis of Useful Enzymes from Extremophiles	
	Inagaki Kenji	http://www.okayama-u.ac.jp/user/agr/eng/course_ab/abb.html	
10. Professors and Associated Professors	Professor	[Contact(e-mail)] kinagaki@okayama-u.ac.jp	
	TAMURA	Research Area: Functional Glycobiochemistry Research theme:Structural and Functional Analysis of Useful Enzymes from Extremophiles	
	Takashi	http://www.okayama-u.ac.jp/user/agr/eng/course_ab/abb.html	
	Professor	[Contact(e-mail)] tktamura@okayama-u.ac.jp	
	Nakamura	Research Area: Food Biochemistry Research theme: Molecular Basis for Physiological Functions of Food Chemicals	
	Yoshimasa	http://www.okayama-u.ac.jp/user/agr/eng/course_ab/foodbio.html	
	Professor	[Contact(e-mail)] yossan@okayama-u.ac.jp	
	Murata	Research Area: Chemistry of Bio-signalling Research theme: Elucidation of Mechanisms of Response and Tolerance to Environmental Stresses in Plants	
	Yoshiyuki	http://www.okayama-u.ac.jp/user/agr/eng/course_ab/chembio.html	
	Professor	【Contact(e-mail)】 muta@okayama-u.ac.jp	
	Kamimura	Research Area: Microbial Function Research theme: Ecological, Physiological and Molecular Biological Research on Acidophilic Chemoautotrophic Bacteria	
	Kazuo		

	Professor	http://www.okayama-u.ac.jp/user/agr/eng/course_ab/microfunc.html
		【Contact(e-mail)】 kamimura@okayama-u.ac.jp
	KINOWA	Research Area: Applied Natural Product Chemistry
	Hiromasa	Research theme: Synthetic Studies of Biologically Active Organic Compounds and their Application to Agrochemicals and Medicines
	Professor	Synthetic Studies of Natural Products with Strong Biological Activity and/or Strange Structure
		http://www.okayama-u.ac.jp/user/agr/eng/course_ab/anpc.html
		【Contact(e-mail)】 kamimura@okayama-u.ac.jp
	Department	of Plant Stress Science
	Nagaki Kiyotaka	Research Area: Molecular Biology of the Nucleus Research theme: (1) Analyses of plant centromeres, and (2)Analyses of relationship between chromosome structure and repetitive DNA sequences.
	Associate Professor	http://www.rib.okayama-u.ac.jp/english/ng-hp-e
		【Contact(e-mail)】 nagaki @rib.okayama-u.ac.jp
	Maekawa Masahiko Professor	Research Area: Crop Genome Modification Research theme: Analysis for genetically regulatory mechanism for phenotype and its application of rice
		http://www.rib.okayama-u.ac.jp/english/pgm-hp-e
		【Contact(e-mail)】 mmaekawa@rib.okayama-u.ac.jp
	Sato Kazuhiro Professor	Research Area: Plant Diversity Analysis Research theme: Evaluation and utilization of plant genetic resources based on genetic analysis and genome diversity analysis
		http://www.rib.okayama-u.ac.jp/english/gd-hp-e
		[Contact(e-mail)] kazsato@rib.okayama-u.ac.jp
Ma Jian Feng Professor	Ma Jian Fong	Research Area: Plant Stress Responses Research theme: Molecular mechanisms of plant mineral stress tolerance and transporter identification
	Professor	http://www.rib.okayama-u.ac.jp/english/ps-hp-e
		【Contact(e-mail)】 maj@rib.okayama-u.ac.jp
	Katsuhara Maki Professor	Research Area: Plant Molecular Physiology Research theme: Plant molecular, cellular, and physiological studies of water and ion transports under environmental (especially salt and osmotic) stresses
		http://www.rib.okayama-u.ac.jp/english/mp-hp-e

		[Contact(e-mail)]kmaki@rib.okayama-u.ac.jp
	Sugimoto Manabu Associate Professor	Research Area: Plant Cytomolecular Biochemistry Research theme: Characterization of plant biomacromolecular responsing to extreme environment and its application to the development of stress-tolerant plants
		http://www.rib.okayama-u.ac.jp/english/pgm-hp-e
		[Contact(e-mail)]manabus@rib.okayama-u.ac.jp
	Sakamoto Wataru	Research Area: Plant Genetics and Functional Biology Research theme: Characterization of molecular mechanisms controlling photosynthesis and other important agronomical traits
	Professor	http://www.rib.okayama-u.ac.jp/english/pla-hp-e
		【Contact(e-mail)】 saka@rib.okayama-u.ac.jp
	Hirayama Takashi	Research Area: Signaling Mechanisms Research theme: Understanding of molecular mechanisms for responses to plant hormones and environment stresses and signal intergration system in higher plants
	Professor	http://www.rib.okayama-u.ac.jp/english/ers-hp-e
		【Contact(e-mail)】 hira-t@rib.okayama-u.ac.jp
	Suzuki Nobuhiro	Research Area: Molecular Virology Research theme: Elucidation of molecular mechanisms underlying replication and symptom induction of agriviruses
	Professor	http://www.rib.okayama-u.ac.jp/english/pmi-hp-e
		[Contact(e-mail)] nsuzuki@rib.okayama-u.ac.jp
	Taketa shin Professor	Research Area: Plant Functional Genomics Research theme: Identification of genes controlling important morphological characters and seed nutritional components in barley
		http://www.rib.okayama-u.ac.jp/english/gr-hp-e
		[Contact(e-mail)] staketa@rib.okayama-u.ac.jp
	Ezaki Bunichi	Research Area: Genome Regulation Research theme: Molecular biological characterization of response and tolerance to metal stresses and oxidative stresses in wild plants
	Professor	http://www.rib.okayama-u.ac.jp/english/pgm-hp-e
		【Contact(e-mail)】 bezaki@rib.okayama-u.ac.jp
	Galis Ivan Professor	Research Area: Plant-Insect Interactions Research theme: The role of plant hormones, genes and metabolites in defense of plants against herbivorous insects
		http://www.rib.okayama-u.ac.jp/english/2013pii-e
		[Contact(e-mail)] igalis@okayama-u.ac.jp

Tani Akio Associate Professor	Research Area: Molecular Virology Research theme: Ecology of plant surface microorganisms and its application <u>http://www.rib.okayama-u.ac.jp/english/pmi-hp-e</u> [Contact(e-mail)]atani@rib.okayama-u.ac.jp
Department	t of Plant Science
Ichinose Yuki Professor	Research Area: Genetic Engineering Research theme: Virulence of phytopathogenic bacteria and plant non-host resistance <u>http://www.okayama-u.ac.jp/user/agr/eng/course_aps/geneeng.html</u> [Contact(e-mail)]yuki@okayama-u.ac.jp
Tahara Makoto Professor	Research Area: Plant Genome Dynamics Analysis Research theme: Crop genome and retrotransposon analyses <u>http://www.okayama-u.ac.jp/user/agr/eng/course_aps/pgda.html</u>
Toyoda Kazuhiro Professor	Research Area: Plant Pathology Research theme: Molecular biology of parasitism and immunity in plant-microbe interactions <u>http://www.okayama-u.ac.jp/user/agr/eng/course_aps/plantpath.html</u> [Contact(e-mail)]pisatin@okayama-u.ac.jp
Kato Kenji Professor	Research Area: Plant Genetics and Breeding Research theme: Molecular genetic studies on diversity and agronomical traits of crop genetic resources <u>http://www.okayama-u.ac.jp/user/agr/eng/course_aps/plantgb.html</u> [Contact(e-mail)]kenkato@okayama-u.ac.jp
Kubo Yasutaka Professor	Research Area: Postharvest Physiology Research theme: Molecular analysis of fruit ripening and its application for postharvest technology <u>http://www.okayama-u.ac.jp/user/agr/eng/course_aps/postphy.html</u> [Contact(e-mail)]ykubo@okayama-u.ac.jp
FUKUDA Fumio Associate Professor	Research Area: Fruit Tree Science (Pomology) Research theme: Elucidation of the mechanism of peach fruit disorder, and non-destructive detection method of fruit disorder, Characterization of ultra-late maturing peach varieties <u>http://www.okayama-u.ac.jp/user/agr/eng/course_aps/pomology.html</u> [Contact(e-mail)]ffukuda@okayama-u.ac.jp
Saitoh Kuniyuki	Research Area: Plant Production Science Research theme: Development and systematization of production technology for crop cultivation, and analysis of eco-physiological

Professor	characteristics of crop varieties for high-vielding and high-quality
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	http://www.okayama-u.ac.jp/user/agr/eng/course_aps/plantps.html
	[Contact(e-mail)] ksaitoh@okayama-u.ac.jp
Yoshida	Research Area: Vegetable Crop Science
Yuichi	Research theme: 'Rakuchin', a table top production system for
Professor	strawberries, Qualified fruit production and development of blossom-end rot in tomato grown with root restriction
	http://www.okayama-u.ac.jp/user/agr/eng/course_aps/cflower.html
	[Contact(e-mail)] yyoshida@okayama-u.ac.jp
Goto Tanjuro	Research Area: Control of Flowering
Professor	Research theme: Flowering control and production of floriculture
	http://www.okayama-u.ac.jp/user/agr/eng/course_aps/cflower.html
	[Contact(e-mail)] tangoto@ okayama-u.ac.jp
	Research Area: Crop Science
	Research theme: Crop strategy for adaptation and yield improvement
Tsuda Makoto	under abiotic stress conditions
Professor	http://www.okayama-u.ac.jp/user/agr/eng/course_aps/crops.html
	[Contact(e-mail)]tsuda@okayama-u.ac.jp
Department	t of Animal Science
Department	t of Animal Science
Department	t of Animal Science Research Area: Animal Reproductive Physiology Research theme: Study on the local regulating mechanisms of
Department	t of Animal Science Research Area: Animal Reproductive Physiology Research theme: Study on the local regulating mechanisms of endometrial function, Study on the regulating mechanisms of transport
Department KIMURA Koji	t of Animal Science Research Area: Animal Reproductive Physiology Research theme: Study on the local regulating mechanisms of endometrial function, Study on the regulating mechanisms of transport of gametes and embryo in oviduct
Department KIMURA Koji Professor	t of Animal Science Research Area: Animal Reproductive Physiology Research theme: Study on the local regulating mechanisms of endometrial function, Study on the regulating mechanisms of transport of gametes and embryo in oviduct http://www.okayama-u.ac.jp/user/agr/eng/course_aas/repphys.html
Department KIMURA Koji Professor	Research Area: Animal Reproductive Physiology Research theme: Study on the local regulating mechanisms of endometrial function, Study on the regulating mechanisms of transport of gametes and embryo in oviduct http://www.okayama-u.ac.jp/user/agr/eng/course_aas/repphys.html [Contact(e-mail)]kimurak @ okayama-u.ac.jp
Department KIMURA Koji Professor	t of Animal Science Research Area: Animal Reproductive Physiology Research theme: Study on the local regulating mechanisms of endometrial function, Study on the regulating mechanisms of transport of gametes and embryo in oviduct http://www.okayama-u.ac.jp/user/agr/eng/course_aas/repphys.html [Contact(e-mail)]kimurak @ okayama-u.ac.jp Research Area: Animal Development and Reproductive Biotechnology
Department KIMURA Koji Professor	t of Animal Science Research Area: Animal Reproductive Physiology Research theme: Study on the local regulating mechanisms of endometrial function, Study on the regulating mechanisms of transport of gametes and embryo in oviduct http://www.okayama-u.ac.jp/user/agr/eng/course_aas/repphys.html [Contact(e-mail)]kimurak @ okayama-u.ac.jp Research Area: Animal Development and Reproductive Biotechnology Research theme: Manipulation and cryopreservation of mammalian
Department KIMURA Koji Professor	t of Animal Science Research Area: Animal Reproductive Physiology Research theme: Study on the local regulating mechanisms of endometrial function, Study on the regulating mechanisms of transport of gametes and embryo in oviduct http://www.okayama-u.ac.jp/user/agr/eng/course_aas/repphys.html [Contact(e-mail)]kimurak @ okayama-u.ac.jp Research Area: Animal Development and Reproductive Biotechnology Research theme: Manipulation and cryopreservation of mammalian gametes and embryos
Department KIMURA Koji Professor Funahashi Hiroaki	t of Animal Science Research Area: Animal Reproductive Physiology Research theme: Study on the local regulating mechanisms of endometrial function, Study on the regulating mechanisms of transport of gametes and embryo in oviduct http://www.okayama-u.ac.jp/user/agr/eng/course_aas/repphys.html [Contact(e-mail)]kimurak @ okayama-u.ac.jp Research Area: Animal Development and Reproductive Biotechnology Research theme: Manipulation and cryopreservation of mammalian gametes and embryos
Department KIMURA Koji Professor Funahashi Hiroaki Professor	t of Animal Science Research Area: Animal Reproductive Physiology Research theme: Study on the local regulating mechanisms of endometrial function, Study on the regulating mechanisms of transport of gametes and embryo in oviduct http://www.okayama-u.ac.jp/user/agr/eng/course_aas/repphys.html [Contact(e-mail)]kimurak @ okayama-u.ac.jp Research Area: Animal Development and Reproductive Biotechnology Research theme: Manipulation and cryopreservation of mammalian gametes and embryos http://www.okayama-u.ac.jp/user/agr/eng/course_aas/devbio.html
Department KIMURA Koji Professor Funahashi Hiroaki Professor	t of Animal Science Research Area: Animal Reproductive Physiology Research theme: Study on the local regulating mechanisms of endometrial function, Study on the regulating mechanisms of transport of gametes and embryo in oviduct http://www.okayama-u.ac.jp/user/agr/eng/course_aas/repphys.html [Contact(e-mail)] kimurak @ okayama-u.ac.jp Research Area: Animal Development and Reproductive Biotechnology Research theme: Manipulation and cryopreservation of mammalian gametes and embryos http://www.okayama-u.ac.jp/user/agr/eng/course_aas/devbio.html [Contact(e-mail)] hirofun@ okayama-u.ac.jp
Department KIMURA Koji Professor Funahashi Hiroaki Professor	t of Animal Science Research Area: Animal Reproductive Physiology Research theme: Study on the local regulating mechanisms of endometrial function, Study on the regulating mechanisms of transport of gametes and embryo in oviduct http://www.okayama-u.ac.jp/user/agr/eng/course_aas/repphys.html [Contact(e-mail)]kimurak @ okayama-u.ac.jp Research Area: Animal Development and Reproductive Biotechnology Research theme: Manipulation and cryopreservation of mammalian gametes and embryos http://www.okayama-u.ac.jp/user/agr/eng/course_aas/devbio.html [Contact(e-mail)] hirofun@ okayama-u.ac.jp Research Area: Animal physiology
Department KIMURA Koji Professor Funahashi Hiroaki Professor Saito Noboru Professor	t of Animal Science Research Area: Animal Reproductive Physiology Research theme: Study on the local regulating mechanisms of endometrial function, Study on the regulating mechanisms of transport of gametes and embryo in oviduct http://www.okayama-u.ac.jp/user/agr/eng/course_aas/repphys.html [Contact(e-mail)]kimurak @ okayama-u.ac.jp Research Area: Animal Development and Reproductive Biotechnology Research theme: Manipulation and cryopreservation of mammalian gametes and embryos http://www.okayama-u.ac.jp/user/agr/eng/course_aas/devbio.html [Contact(e-mail)] hirofun@ okayama-u.ac.jp Research Area: Animal physiology Research theme: Study on the mechanism of sexual differentiation and physiological functions of birds
Department KIMURA Koji Professor Funahashi Hiroaki Professor Saito Noboru Professor	t of Animal Science Research Area: Animal Reproductive Physiology Research theme: Study on the local regulating mechanisms of endometrial function, Study on the regulating mechanisms of transport of gametes and embryo in oviduct http://www.okayama-u.ac.jp/user/agr/eng/course_aas/repphys.html [Contact(e-mail)]kimurak @ okayama-u.ac.jp Research Area: Animal Development and Reproductive Biotechnology Research theme: Manipulation and cryopreservation of mammalian gametes and embryos http://www.okayama-u.ac.jp/user/agr/eng/course_aas/devbio.html [Contact(e-mail)] hirofun@ okayama-u.ac.jp Research Area: Animal physiology Research Area: Animal physiology Research Area: Animal physiology Research Area: Animal physiology Research theme: Study on the mechanism of sexual differentiation and physiological functions of birds http://www.okayama-u.ac.jp/user/agr/eng/course_aas/aniphys.html
Department KIMURA Koji Professor Funahashi Hiroaki Professor Saito Noboru Professor	t of Animal Science Research Area: Animal Reproductive Physiology Research theme: Study on the local regulating mechanisms of endometrial function, Study on the regulating mechanisms of transport of gametes and embryo in oviduct http://www.okayama-u.ac.jp/user/agr/eng/course_aas/repphys.html [Contact(e-mail)]kimurak @ okayama-u.ac.jp Research Area: Animal Development and Reproductive Biotechnology Research theme: Manipulation and cryopreservation of mammalian gametes and embryos http://www.okavama-u.ac.jp/user/agr/eng/course_aas/devbio.html [Contact(e-mail)] hirofun@ okayama-u.ac.jp Research Area: Animal physiology Research theme: Study on the mechanism of sexual differentiation and physiological functions of birds http://www.okavama-u.ac.jp/user/agr/eng/course_aas/aniphys.html [Contact(e-mail)] nsaito@okayama-u.ac.jp
Department KIMURA Koji Professor Funahashi Hiroaki Professor Saito Noboru Professor	t of Animal Science Research Area: Animal Reproductive Physiology Research theme: Study on the local regulating mechanisms of endometrial function, Study on the regulating mechanisms of transport of gametes and embryo in oviduct http://www.okayama-u.ac.jp/user/agr/eng/course_aas/repphys.html [Contact(e-mail)]kimurak @ okayama-u.ac.jp Research Area: Animal Development and Reproductive Biotechnology Research theme: Manipulation and cryopreservation of mammalian gametes and embryos http://www.okayama-u.ac.jp/user/agr/eng/course_aas/devbio.html [Contact(e-mail)] hirofun@ okayama-u.ac.jp Research Area: Animal physiology Research theme: Study on the mechanism of sexual differentiation and physiological functions of birds http://www.okayama-u.ac.jp/user/agr/eng/course_aas/aniphys.html [Contact(e-mail)] nsaito@okayama-u.ac.jp Research Area: Applied Animal Genetics
Department KIMURA Koji Professor Funahashi Hiroaki Professor Saito Noboru Professor	t of Animal Science Research Area: Animal Reproductive Physiology Research theme: Study on the local regulating mechanisms of endometrial function, Study on the regulating mechanisms of transport of gametes and embryo in oviduct http://www.okayama-u.ac.jp/user/agr/eng/course_aas/repphys.html [Contact(e-mail)] Research Area: Animal Development and Reproductive Biotechnology Research Area: Animal Development and Reproductive Biotechnology Research theme: Manipulation and cryopreservation of mammalian gametes and embryos http://www.okayama-u.ac.jp/user/agr/eng/course_aas/devbio.html [Contact(e-mail)] hirofun@ okayama-u.ac.jp Research Area: Animal physiology Research Area: Animal physiology Research Area: Animal physiology Research theme: Study on the mechanism of sexual differentiation and physiological functions of birds http://www.okayama-u.ac.jp/user/agr/eng/course_aas/aniphys.html [Contact(e-mail)] Insaito@okayama-u.ac.jp Research Area: Applied Animal Genetics Research Area: Applied Animal Genetics Research Area: Applied Animal Genetics

	http://www.okayama-u.ac.jp/user/agr/eng/course_aas/aag.html
	[Contact(e-mail)] tkunieda@okayama-u.ac.jp
	Besearch Area: Animal Nutrition and Food Science
Nichino Mochi	Research theme: Microbial ecology associated with feed preservation and animal health
Professor	http://www.okayama-u.ac.jp/user/agr/eng/course_aas/anfs.html
	[Contact(e-mail)] j1oufeed@okayama-u.ac.jp
MORITA Hidetoshi	Research Area: Animal Food Function Research theme: Analysis of human intestinal and oral microbiota (human microbiome), Genomics of Human origine bacteria, bifidobacteria and lactic acid bacteria, Studies on protein metabolism of lactic acid bacteria
Professor	http://www.okayama-u.ac.jp/user/agr/eng/course_aas/aff.html
	[Contact(e-mail)] hidetoshi-morita@okayama-u.ac.jp
Department o	of Environmental Ecology
	Research Area: Physiological Plant Ecology
Sakamoto Keiji	Research theme: Ecological analysis of forest maintenance mechanism
Professor	http://www.okayama-u.ac.jp/user/agr/eng/course_ee/ppe.html
	[Contact(e-mail)] akmtalm@ akayama-11 ag in
	Research Area: Physiological Plant Ecology
	icsearch mea. Inysiological Hand Boology
Miki Naoko	Research theme: Ecophysiological analysis of water useand matter production on tree species
Associate Professor	http://www.okayama-u.ac.jp/user/agr/eng/course_ee/ppe.html
	[Contact(e-mail)]miki@ okayama-u ac in
	Research Area: Environmental Soil Science
Shima Kazuto	Research theme: Nutrient dynamics in soil-plant ecosystems
Professor	http://www.okayama-u.ac.jp/user/agr/eng/course_ee/ess.html
	[Contact(e-mail)] ittetsu@ okayama-u ac ip
	Research Area: Forest Ecology
···· ·	
Hirobe Muneto	Research theme: Nutrient dynamics in forest ecosystems
Professor	http://www.okayama-u.ac.jp/user/agr/eng/course_ee/foresteco.html
	[Contact(e-mail)]mhirobe@cc.okayama-u.ac.jp
Fukuda	Research Area: Conservation of Aquatic Biodiversity
Hiroshi	Research theme: Systematics and conservation in malacology
Associate Professor	http://www.okayama-u.ac.jp/user/agr/eng/course_ee/cab.html

	[Contact(e-mail)]suikei1@cc.okayama-u.ac.jp
	Descende Amerikaanse Deska
	Research Area. Insect Ecology
Takahashi Kazuo	Research theme: Ecological evolutionary studies on insect population dynamics
Associate Professor	http://www.okayama-u.ac.jp/user/agr/eng/course_ee/insecteco.html
	[Contact(e-mail)] kaz_tak@ okayama-u.ac.jp
	Research Area: Evolutionary Ecology
Miyatake Takahisa	Research theme: Ecological genetics and entomology
Professor	http://www.okayama-u.ac.jp/user/agr/eng/course_ee/evoeco.html
	[Contact(e-mail)]miyatake@ okayama-u.ac.jp
	Research Area. Bioproduction Systems Engineering
Monta Mitsuji	Research theme: Robotics for bio-production
Professor	http://www.okayama-u.ac.jp/user/agr/eng/course_ee/bse.html
	[Contact(e-mail)]monta@ okayama-u.ac.jp
	Research Area: Bioproduction Systems Engineering
Namba Kazuhiko	Research theme: Plants growth control using the speaking plant approach
Associate Professor	http://www.okayama-u.ac.jp/user/agr/eng/course_ee/bse.html
	[Contact(e-mail)]kaz@okayama-u.ac.jp
	Research Area: Resources Management
Yokomizo	
Isao	Research theme: Sustainable and optimal model building for farm
D	management, agricultural production organization in rural communities
Froiessor	[Contact(e-mail)]vokomizo@ okayama-u ac in
<u> </u>	Research Area: Resources Management
Datai	
Hisashi	Research theme: Strategic Policies for Rural Resource Planning and Rural Resource Management System
Associate Professor	[Contact(e-mail)] hisashi@cc.okayama-u.ac.jp
	Research Area: Farm Management Systems and Information Processing
Komatsu	
Yasunobu	Research theme: Research on the system development of the food
Professor	
	[Contact(e-mail)]komatsu@ okayama-u.ac.jp
	Research Area: Farm Management Systems and Information Processing
Ohnaka Katsutoshi	Research theme: Resarach on the farm management and agricultural policy
Associate Professor	[Contact(e-mail)] pwnu4uds@okayama-u.ac.jp
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Ι	Department	of Urban Environment Development
E	Iashimoto	Research Area: Urban and Environmental Planning
S	leiji	Research Title: Urban Transportation planning for Sustainable society
а	ssoc. prof.	
H	Iiguchi	Research Area: Regional Cultural Landscape
Т	'eruhisa	Research Title: Study on technological histories of civil engineering in
а	ssoc. prof.	modern Japan
C	Okubo	Research Area: Water Cycle Assessment
K	Kenji	Research Title: Material budget and flux estimation in rivers, Lakes and
р	rof.	Coastal Seas
N	Iaeno	Research Area: Hydraulic Engineering
S	bhiro	Research Title: Evaluation of environmental hydraulic characteristics of
р	orof.	hydraulic structure composed of natural stones
Y	Toshida	Research Area: Hydraulic Engineering
K	Keisuke	Research Title: Study on prevention and mitigation of fluvial disasters
a	ssoc. prof.	
Т	akeshita	Research Area: Engineering in Environmental Geotechnics
Y	(uji	Research Title: Geotechnical site characterization by in-situ
p	rof.	non-destructive testing
N	lishiyama	Research Area: Applied Computational Machanics
S	atoshi	Research Title: Development of modeling and analytical methods for
p	rof.	reducing the risk of geohazard
E E	Aimoto	Research Area: Applied Computational Machanics
n	azushi	to the monitoring of airil infrastructures
	Jiojima	to the monitoring of the minastructures
S	hinii	Research Area: Environmental vibration and energy engineering
a	ssoc prof	Research Title: Study on wind and tidal current power generatio
T)evelopmen	t Department of Rural Environment Management
C	Oki	
Y	oko	Research Area: Vegetation Management
q	orof.	Research Title: Function and management of weed vegetation
N	Jakata	
К	Kazuyoshi	Research Area: Aquatic Zoology
a	ssoc. prof.	Research Title: Ecology and conservation of freshwater animals
Ν	Iaeda	Research Area: Lithosphere Management
Ν	Iorihiro	Research Title: Monitoring and modeling nitrate leaching in upland
a	ssoc. prof.	fields
А	kae	Research Area: Agricultural Land Engineering
Т	'akeo	Research Title: Management of soils and lands for enhanced agricultural
р	rof.	production
Ν	Iori	Research Area: Agricultural Land Engineering
Y	asushi	Research Title: Conservation and restoration of soil environment
а	ssoc. prof.	
Ν	Iorita	Research Area: Terrestrial Information Management
H	Iidenori	Research Title: Study on rural environment using terrestrial
a	ssoc. prof.	information processing
Ν	Iiura	Research Area: Irrigation and Drainage
Т	akeshi	Research Title: Estimation of evapotranspiration and upland field

prof.	irrigation planning
Departmen	t of Human Ecology
Kajiwara	Research Area: Mathematical Analysis for Environmental Studies
Tsuyoshi	Research Title: Mathematical models for ecology and life sciences and
prof.	related mathematical methods
Sasaki	Research Area: Mathematical Analysis for Environmental Studies
Toru	Research Title: Mathematical analysis and its applications to
assoc. prof.	mathematical biology
	Research Area: Environmental Modeling and Analysis
Watanabe	Research Title: Mathematical theories and computer simulations for
Masaji	microbial processes, Mathematical theories and computer simulations
prof.	for waves and flows in water environment, Techniques for use of GPS in studies of environmental problems.
Suito	Research Area: Applied Numerical Analysis
Hiroshi	Research Title: Computational techniques for flow simulations and
prof.	visualizations in environmental and biomedical problems.
Sakamoto	Research Area: Environmental Statistics
Wataru	Research Title: Statistical modeling and computing for analyzing data in
prof.	environmental and life science
Fueda	Research Area: Environmental Statistics
Kaoru	Research Title: Time series and multivariate analysis of environmental
assoc. prof.	data
Kurihara	Research Area: Design and Analysis of Environmental Survey and
Koji	Experiments
prot.	Research Title: Statistical approaches for spatio-temporal data
Iizuka	Research Area. Design and Analysis of Environmental Survey and
Masaya	Experiments Research Title: Development of variable selection in multivariate
prof.	method and its software for environmental data
Ishioka Fumio	Research Area: Design and Analysis of Environmental Survey and Experiments Research Title: Detection of spatial temporal and space-time clustering
assoc. prof.	for environmental and life science data.
Tsuda Toshihide prof.	Research Area: Environmental Epidemiology Research Title: Health effects induced by environmental pollution (various pollutants); Epidemiologic investigation on a food borne disease outbreak;Causal inference in medical and environmental sciences
Yorifuji Takashi	Research Area: International Health Research Title: Environmental epidemiological studies (air pollution, methylmercury, arsenic, and etc.) as well as child and perinatal
assoc. prof.	epidemiological studies
Departmen	t of Sound Material-Cycle Science
Fujiwara	Research Area: Solid Waste Management Engineering
Takeshi	Research Title: Research on promotion of recycling and solid waste
prof.	management
Matsui	Research Area: Solid Waste Management Engineering

Yasuhiro	Research Title: Research on systems analysis applications for waste
assoc. prof.	management plannning
Nagare	Research Area: Risk Management in Sustainable Society
Hideaki	Research Title: Water treatment, phosphorous resource recovery, water
assoc. prof.	environmental preservation
Kawamoto	Research Area: Environmental Measurement and Control
Katsuya	Research Title: Effective and safe disposal of solid/liquid wastes, and
prof.	development of material and/or energy recovery
Takeuchi	Research Area: Environmental Measurement and Control
Fumiaki	Research Title: Biochemistry of Iron-oxidizing bacteria and its
assoc. prof.	application to environmental preservation
Ayano	
Toshiki	Research Area: Environmental Conscious Materials
prof.	Research Title: Durability of concrete structures
Fujii	Research Area: Environmental Conscious Materials
Takashi	Research Title: Development for environment conscious materials for
assoc. prof.	construction works
Komatsu	Research Area: Assessment of Geo-environment
Mitsuru	Research Title: Research on investigation of groundwater flow and
assoc.prof.	preservation of geo-environment
Kawamura	Research Area: Atmospheric Environment Assessment
Katsuvuki	Research Title: Atmosphere-hydrosphere-lithosphere interactions based
prof.	on atomic and molecular processes
Iwata	Research Area: Atmospheric Environment Assessment
Toru	Research Title: Study on CO2 exchange across air-ocean and
assoc.prof.	air-agroecosystem interface
Abe	Research Area: Planning of Sound-Material Cycle Society
Hirofumi	Research Title: Development and application of economic analysis for
prof.	the planning of sound material-cycle society
Departmen Nanba Tokuro	Research Area: Ceramic Materials Research Title: Development of ceramic materials for reducing
prof.	environmental burden
Benino Vesushil	Research Area. Ueramic Materials
rasuhiko	Research Little- Morphology control of functional glass and glass-ceramic
assoc. prot.	materials
Kameshima Vaabil	Research Area: Development of Environmental Inorganic Material
1 OSN1KAZU	Research Title: Development of eco-friendly inorganic materials
proi.	Descende Anari Advanced Oraci Material
Takaguchi	Research Area. Advanced Urganic Materials
rutaka	Research Litle Advanced Materials Based on Dendrimers and/or
assoc. prot.	rullerenes
Kimura	Kesearch Area: Environmental Process Engineering
Kun10	
C	Research Title: Creation of environmentally benign polymerization
prof.	Research Title: Creation of environmentally benign polymerization system and polymer materials

materials based on high-order structual control

Research Title: Design of high-peformance environmental polymeric

Shinichi

assoc. prof.

	Kimura Yukitaka	Research Area: Environmental Process Engineering Research Title: Design for environmental process using subcritical water
	Shimanouchi Toshinori assoc. prof.	Research Area: Environmental Process Engineering Research Title: Design and Development of Novel Separation Process, Associating with Formation of Heterogeneous Phase at Interface with Dynamic Ordered-Structure
	Kato Yoshiei prof.	Research Area: Environmental Reaction Engineering Research Title: Material processing by environmentally benign reaction
	Uddin Md.Azhar assoc.prof.	Research Area: Environmental Reaction Engineering Research Title: Development of Catalysts for the recycling of energy and resources
11. Features of University	Okayama Okayama-Han Currently, th university aff and an affiliat with 20,000 d intellectual cr "Creation of a principle of th in other word through resea university pre University a educational ce Okayama Uni warm climate by rich flora transport hub and mind trai beautiful aca Okayama. Okayama Un Enhancement Sports, Science Ministry of H have the poter Moreover, nat globalization. have a global It is my visi university, a working with Please visit ou	University has its origin in the Medical Training Place of a (domain) and was founded in 1870 with over 140 years of history. e university comprises 11 faculties, seven graduate schools, a dilated institute, a national joint-use facility, a university hospital, te school. It is one of the best comprehensive universities in Japan omestic and international students, faculties and staff working on eation. advanced intelligence and succession of exact intelligence" is the e university. Creation of intelligence and succession of intelligence, s, the mission of Okayama University is to contribute to society rch and educational activities. When I assumed the position of the sident in 2011, I declared the "Morita Vision" to make Okayama "beautiful academic capital' as an international research and enter." versity is located in "fine weather country Okayama" blessed with with few natural disasters. It has vast campus areas surrounded near the central part of Okayama City which is an important of the ideal environment to concentrate on academic work ning. Okayama University aims to develop as an "internationally idemic capital" blessed with such wonderful environment in hiversity was selected for the "Program for Promoting the of Research Universities" by the Ministry of Education, Culture, e and Technology, and the "Core Clinical Research Centers" by the ealth, Labour and Welfare in 2013 and showed steady progress to thial to be highly competitive university in Japan. ional Universities are demanded to reform in the middle of rapid I consider the current and future duties of Okayama University to vision and train people who will be useful in global communities. on to make Okayama University to be an infinitely beautiful global university brightly shining full of charm in Okayama, all students, graduate students and staff, including myself. tr WEB site, <u>http://www.okayama-u.ac.jp/en/tp/profile/index.html</u> ,
12. Features of Graduate	Message from t	the Dean: Since environmental and food issues are also matters of great
School	concern in Asia with these nat	n and African nations, the Graduate School will work even more closely ions in research activities to seek solutions to these problems. We also

	actively accept foreign students from these regions and organize overseas field research
	projects by Japanese students.
	More information is available in <u>http://www.gels.okayama-u.ac.jp/en/profile/index.html</u>
13. Features and Curriculum	- Compulsory Subjects -
of Program	Special research: 10 Units
	Seminar in Specified Field: 4 Units
	Introduction to biological and Human Environment, Bio-resources,
	Bio-production; 2 Units
	-Specialized Subjects
	Advances in Environmental Ecology: 2 Units
	Chemical Biology in Food Function: 2 Units
	Plant Genetics and Stress Science: 2 Units
	Advances in Plant Stress Science: 2 Units
	Advances in Plant Science: 2 Units
	Advances in Animal Science: 2 Units
	Advances in Civil and Environmental Engineering (Tentative): 2 Units
	Advances in Rural Environment and Management (Tentative): 2 Units
	Advances in Environmental Mathematics (Tentative): 2Units
	Advances in Environmental Material and Energy (Tentative): 2 Units
	Advances in Solid Waste Management (Tentative): 2 Units
	Technical Presentation in English: 2 Units
	[Campus life]
	Entrance ceremony: April 8
	First semester: April 1 to July 31.
	Summer holiday: August 1 to September 30
	Second semester: October 1 to March 31.
	University Anniversary: October 22.
	School festival: Early November.
	Winter holiday: December 25 to January 7.
	Graduation ceremony: March 25.
14. Academic Schedule	
	More information is available in
	http://ouic.okayama-u.ac.jp/english/interstudents/studentlife_en.html.
	Students can starts their academic year of master's course from April 1 or
	October 1.
	During the holidays, students have no lecture but intensive research and
	project activities.
	At the beginning of study, oversea students are accepted as research student to
	make ready for master's course entrance examination held at late August and
	late January
15. Supporting service to Inter	rnational Students
International Students	See the website below
Support Center for	http://ouic.okavama-u.ac.in/english/objectives3.html
	here a suborna jama ana je ongroup objecti obonitimi

Consulting or counseling about daily life, campus life,

cross-cultural adjustment etc.	
Provision of Student Dormitory	Dormitory for International Students Okayama University, Tsushima Campus, has three dormitories for international students. International students can live there for one year from their entrance to the university. For further information, please visit: <u>http://ouic.okayama-u.ac.jp/english/interstudents/3-05dormitory_en.html</u>
Japanese Language	See the website below
Education Program for	http://ouic.okayama-u.ac.jp/english/courses/index.html
International Students	
Cultural Activities	Formal nomenclature International Student Support Volunteer Group, WAWA (attached to the International Student Advisor's office, International Center), Okayama University. Cultural Exchange Events Every year, WAWA plans and executes events such as a welcoming party for new students, flower viewing, celebrating Tanabata, watching fireworks, hosting a farewell party, hiking, year-end and New Year's parties, the Dolls' Festival, and many other parties and events. At the International Center, the International House and various
	other places, details will be posted on the notice boards. We are looking forward to participating in these events will all of the international students! Please refer to the <u>Website</u> for details.
Any special attention to Religious Practice	Pray room for Muslim is available in university. There are several churches for Christian nearby university.
facilities (Library etc)	The University Libraries consist of the Central Library, the Shikata Branch Library, andthe Institute of Plant Science and Resources Branch Library. They provide more than2,090,000 books and boasts of the largest collection of books in Okayama Prefecture.Forfurtherinformation,pleasevisit:http://www.lib.okayama-u.ac.jp/aboutus e/index.html
Please state other particular	Comfort dormitory at low price is available for international students. Students have
supporting service you are endeavoring, if any.	many chances to enjoy entertainment events such as community socials, field tour and university festivals.
16. Message to Prospective International Students	
16. Message to Prospective Int	ternational Students

Environmental Science was spun off from the Graduate School of Natural Science and Technology. Upholding its mission of creating and fostering higher knowledge and wisdom, and its purpose of building up a new paradigm for a sustainable world, we at Okayama University had been seeking innovative ideas using existing knowledge to provide solutions to global challenges related to the harmonious co-existence of humankind and nature in various fields, such as the environment, energy, food, economy, health, security and education. With the recent explosive growth in the world's population, however, environmental and food issues have begun to attract significant attention as pressing problems that global society is facing. To cope with society's increasing demand for research that provides comprehensive solutions to these problems, Okayama University created the Graduate School of Environmental and Life Science as a new academic framework for efficiently conducting research focused on environmental and food issues and providing interdisciplinary and comprehensive education in these fields.

Like the Graduate School of Humanities and Social Sciences, Graduate School of Medicine, Dentistry and Pharmaceutical Sciences and Graduate School of Natural Science and Technology, the Graduate School of Environmental and Life Science is an integrated graduate school founded on its relevant faculties – the Faculty of Environmental Science and Technology and the Faculty of Agriculture. In addition to members of these faculties, specialists in medical sciences have also joined the Graduate School's faculty staff.

For sustainable development anywhere in the world, it is imperative that we take action to ensure stability, safety and security of the food supply while pursuing harmony of our living environment and natural environment. At the Graduate School of Environmental and Life Science, doctoral programs are offered by the Division of Environmental Science, which took over the environmental studies that had been carried out at the Graduate School of Environmental Science, and the Division of Agricultural and Life Science, which focuses on studies designed to seek ways to ensure sustainable food production. The Graduate School aims to nurture professionals who have international and interdisciplinary perspectives that transcend the above academic boundaries, as well as highly specialized knowledge and skills. By achieving these goals, we hope to contribute to sustainable development in the world.

Since environmental and food issues are also matters of great concern in Asian and African nations, the Graduate School will work even more closely with these nations in research activities to seek solutions to these problems. We also actively accept foreign students from these regions and organize overseas field research projects by Japanese students.

To effectively address issues of environmental conservation and food production, which are greatly influenced by social and economic changes, the Graduate School's structure needs to be capable of promptly coping with changes of the times. While building such a structure, we strive to live up to the public's expectation to achieve valuable research results and foster competent human resources.