## CONTENTS

### I Research Achievement

1. Academic Paper ................................................................. 1
2. Book ................................................................. 13

### II Lectures, Conference Presentation, etc.

1. Conference Presentation .................................................. 14
2. Academic lecture .................................................. 19
I  Research Achievement

1) Academic Paper

[Course of Applied Life Science]

1) Aboonajmi M, Setarehdan S.K, Akram A, Nishizu T, Kondo N.
“Prediction of poultry egg freshness using ultrasound”

“Renin Gene Polymorphisms in Bangladeshi Hypertensive Population”

3) Ando H.
“Synthetic app.roach toward complexity of sialic acid-containing glycans.”

“Development of a novel transgenic rice with hypocholesterolemic activity via high-level accumulation of the α' subunit of soybean β-conglycinin.”

5) Chang C, Teramoto Y, Nishio Y.
“High performance films of cellulose butyral derivative having a necklace-like annular structure in the side chains”
*Polymer*, Vol.55(16), pp.3944-3950, 2014/08/05

“Expression of proteins associated with adipocyte lipolysis was significantly changed in the adipose tissues of the obese spontaneously hypertensive/NDmcr-cp rat.”
*Diabetology & Metabolic Syndrome*, Vol.6, pp.8, 2014/01/27

7) Fahmy K, Nakano K.
“Optimal design of modified atmosphere packaging for alleviating chilling injury in cucumber fruit.”

8) Fahmy K, Nakano K.
“The individual and combined influences of low oxygen and high carbon dioxide on chilling-injury alleviation in cucumber fruit.”

“Intratracheal instillation of single-wall carbon nanotubes in the rat lung induces time-dependent changes in gene expression.”
*Nanotoxicology.*, Vol.9, pp.1-12, 2014/06

“The induction of lipid peroxidation during the acute oxidative stress response induced by intratracheal instillation of fine crystalline silica particles in rats.”
*Toxicology and Industrial Health*, pp. pii: 0748233714564415, 2014/12/31

“Effect of red and blue LED irradiation on ascorbate content and expression of genes related to ascorbate metabolism in postharvest broccoli.”


“Interaction of platelet endothelial cell adhesion molecule (PECAM) with α2,6-sialylated glycan regulates its cell surface residency and anti-apoptotic role.”

Matsumiya K, Inoue T, Niida J, Katagiri T, Nishizu T, Matsumura Y.
“Evaluation of long-term stability of milk beverages by a novel method for rapid determination of aggregation forces between colloidal particles”
*Food Hydrocolloids*, Vol.34, pp.177-183, 2014/01

Menjo M, Tamai H, Ando H, Ishida H, Koketsu M, Kiso M.
“Glycosidation Reactions of Benzyl-Type Selenoglycoside Donors.”

Nakamoto K, Ueno Y.
“Diazirine-containing RNA photo-crosslinking probes for capturing microRNA targets.”
*J Org Chem.*, Vol.79(6), pp.2463-2472, 2014/03/21

Nakano K.
“Freshness evaluation method for young soybean based on stachyose detection by thin layer chromatography.”
*Proc. of the 7th International Symposium on Machinery and Mechatronics for Agricultural and Biosystems Engineering(ISMAB2104)*, Vol.1, pp.104-109, 2014

Nishida M, Kozakai T, Nagami K, Kanamaru Y, Yabe T.
“Structural alteration of cell surface heparan sulfate through the stimulation of the signalling pathway for heparan sulfate 6-O-sulfotransferase-1 in mouse fibroblast cells.”

“Facilitation of web-based internet PBL: What is an adequate group size?”

Nomura K, Iwahashi H.
“Pressure regulated fermentation: A revolutionary app.roach that utilizes hydrostatic pressure”

Sato J, Morioka N, Teramoto Y, Nishio Y.
“Chiroptical properties of cholesteric liquid crystals of chitosan phenylcarbamate in ionic liquids”

Sridharan U, Ebihara A, Kuramitsu S, Yokoyama S, Kumarevel T, Ponnuraj K.
“Crystal structure and in silico studies of dihydrodipicolinate synthase (DHDPs) from Aquifex aeolicus.”
*Extremophiles.*, Vol.18(6), pp.973-985, 2014/11

Suzuki T, Komura N, Imamura A, Ando H, Ishida H, Kiso M.
“A facile method for synthesizing selenoglycosides based on selenium-transfer to glycosyl imidate.”

[38] Suzuki-Nakagawa C, Nishimura M, Noda M, Iwata H, Battori M, **Ebihara A**, **Suzuki F**, **Nakagawa T**.
“Intracellular retention of the extracellular domain of the (pro)renin receptor in mammalian cells.”

“Participation of the extracellular domain in (pro)renin receptor dimerization.”

[40] Takada N, Mori C, Iida M, Takai R, Takayama T, Watanabe Y, **Nakamura K**, **Takamizawa K**.
“Development of an indirect competitive ELISA for the detection of ABO blood group antigens.”
*Leg Med.*, Vol.16(3), pp.139-145, 2014/05

[41] Takahama U, **Yamauchi R**, Hirota S.
“Reactions of (+)-catechin with salivary nitrite and thiocyanate under conditions simulating the gastric lumen: Production of dinitrosocatechin and its thiocyanate conjugate.”

[42] Tanaka Y, **Shimada M**, **Nagaoka S**.
“L-Cysteine-induced up-regulation of the low-density lipoprotein receptor is mediated via a transforming growth factor-alpha signalling pathway.”
*Biochem Biophys Res Commun.*, Vol.444(3), pp.401-405, 2014/02/14

“Anisotropic Polymer Composites Synthesized by Immobilizing Cellulose Nanocrystal Suspensions Specifically Oriented under Magnetic Fields”

“Modeling of the respiration rate and gene expression oscillation of cabbage in response to mechanical impact stress using a modified Weibull distribution.”

“Interactions between (+)-catechin and quercetin during their oxidation by nitrite under the conditions simulated the stomach.”

[46] Yamauchi K, **Mitsunaga T**, Batubara I.
“Synthesis of quercetin glycosides and their melanogenesis stimulatory activity in B16 melanoma cells.”

[47] Yamauchi K, **Mitsunaga T**, Inagaki M, Suzuki T.
“Synthesized quercetin derivatives stimulate melanogenesis in B16 melanoma cells by influencing the expression of melanin biosynthesis proteins MITF and p38 MAPK.”

[48] **Yamauchi R**, Watanabe S, Martin A.S, **Iwamoto S**.
“Effect of α-tocopherol on the hemin-catalyzed decomposition of 1-palmitoyl-2-linoleoyl-3-sn-phosphatidylcholine 13-hydroperoxide in micelles and liposomes.”
【Course of Agricultural and Environmental Science】

“Crop water productivity (CWP) with the small farm reservoir (SFR) as a supplemental irrigation for cash crop on rainfed area in Karanganyar Regency, Indonesia”

“Effect of zoysiagrass rhizosphere fungal isolates on disease suppression and growth promotion of rice seedlings.”

“Mechanism of Biological control of Rhizoctonia damping-off of cucumber by a non-pathogenic isolate of binucleate Rhizoctonia.”

“Control of Root Rot and Wilt Diseases of Roselle under Field Conditions.”

“Occurrence of root rot and vascular wilt diseases in roselle (Hibiscus sabdariffa L.) in upper Egypt.”

“pp.db: plant promoter database version 3.0.”

“The plant growth-promoting fungus Penicillium spp. GP15-1 enhances growth and confers protection against damping-off and anthracnose in the cucumber.”

“Carbon loss by sclerotia of Sclerotium rolfsii under the influence of soil pH, temperature and matric potential and its effect on sclerotial germination and virulence.”

“Seedling blight of Glycyrrhiza uralensis caused by Pythium myriotylum, P. aphanidermatum and P. spinosum and identifying primary inoculum sources using multiplex PCR detection.”

“Seasonal changes in temperature response of photosynthesis and its contribution to annual carbon gain in Daphniphyllum humile, an evergreen understorey shrub.”
*Plant Biology*, Vol.16(2), pp.345-353, 2014/03

“Origins of Japanese flowering cherry (Prunus subgenus Cerasus) cultivars revealed using nuclear SSR markers.”

“STOP2 Activates Transcription of Several Genes for Al- and Low pH-Tolerance that Are Regulated by STOP1 in Arabidopsis.”
*Mol Plant.*, Vol.7(2), pp.311-322, 2014/02
“Conservation of mangrove ecosystems through the eyes of a production ecologist.”
*Reviews in Agricultural Sciences*, Vol.2, pp.11-20, 2014

“Next-generation sequencing of genomic DNA fragments bound to a transcription factor in vitro reveals its regulatory potential.”

“Evolutionary impact assessment: accounting for evolutionary consequences of fishing in an ecosystem approach to fisheries management.”

“Faecal particle size in free-ranging primates supports a ‘rumination’ strategy in the proboscis monkey (Nasalis larvatus).”

[17] Muren, Kusuda S, Shibata E, Doi O.
“Identification of fecal sex steroid metabolites and evaluation of ovarian cycle and pregnancy in Somali wild Ass (Equus africanus somaliensis).”

[18] Ninomiya S.
“Satisfaction of farm animal behavioral needs in behaviorally restricted systems: Reducing stressors and environmental enrichment”

“Time-dependent changes in the genetic diversity and structure of the Onagadori breed of chickens based on microsatellite DNA polymorphisms.”
Pham T. H., Miyagawa S.
“Historical landscape affects present tree density in paddy field.”

R. A. Bustomi Rosadi, Masateru Senge, Diding Suhandy, Ahmad Tusi.
“The Effect of EC Levels of Nutrient Solution on the Growth, Yield, and Quality of Tomatoes (Solanum Lycopersicum) under the Hydroponic System”
*Journal of Agricultural Engineering and Biotechnology*, Vol.2(1), pp.7-12, 2014/02

“VuDREB2A, a novel DREB2-type transcription factor in the drought-tolerant legume cowpea, mediates DRE-dependent expression of stress-responsive genes and confers enhanced drought resistance in transgenic Arabidopsis.”

Saldajeno M.G.S, Naznin H.A, Elsharkawy M.M, Shimizu M, Hyakumachi M.
“Enhanced resistance of plants to disease using Trichoderma spp.”
*Biotechnology and Biology of Trichoderma*, pp.477-493, 2014/01

“Identification of a STOP1-like protein in Eucalyptus that regulates transcription of Al tolerance genes.”

Shamov V.V, Onishi T, Kulakov V.V.
“Dissolved iron runoff in Amur basin rivers in the late XX century”

“A single nucleotide polymorphism in the translation elongation factor 1α gene correlates with the ability to produce fumonisin in Japanese Fusarium fujikuroi.”

Tadano R, Kataoka Y.
“Genetic diversity in a small chicken population inferred from microsatellite polymorphism”

Tadano R, Kinoshita K, Mizutani M, Tsuzuki M.
“Comparison of microsatellite variations between red junglefowl and a commercial chicken gene pool”

“Cost-effective development of highly polymorphic microsatellite in Japanese quail facilitated by next-generation sequencing.”

“Transcriptional profile of tomato roots exhibiting Bacillus thuringiensis-induced resistance to Ralstonia solanacearum.”

Tsuchida K, Kudô K, Ishiguro N.
“Genetic structure of an introduced paper wasp, Polistes chinensis antennalis (Hymenoptera, Vespidae) in New Zealand.”
*Molecular Ecology*, Vol.23(16), pp.4018-4034, 2014/08

Tsuea H, Tsuduki T, Tsuchida K.
“Factors that affect the selection of tomato leaflets by two whiteflies, Trialeurodes vaporariorum and Bemisia tabaci (Homoptera: Aleyrodidae)”  

[38] Tsuji H, Yasutaka T, Kawabe Y, **Onishi T**, Komai T.  
“Distribution of dissolved and particulate radiocesium concentrations along rivers and the relations between radiocesium concentration and deposition after the nuclear power plant accident in Fukushima”  

[39] Usami M, Mitsunaga K, Irie T, Miyajima A, **Doi O**.  
“Proteomic analysis of ethanol-induced embryotoxicity in cultured post-implantation rat embryos.”  

[40] Usami M, Mitsunaga K, Irie T, Miyajima A, **Doi O**.  
“Simple in vitro migration assay for neural crest cells and the opposite effects of all-trans-retinoic acid on cephalic- and trunk-derived cells.”  

[41] Yamasaki K., **Tsuchida K**.  
“Orphaning does not affect the colony productivity of the primitive eusocial wasp Polistes snelleni”  

[42] Yang Y, **Onishi T**, Hiramatsu K.  
“Improving the performance of temperature index snowmelt model of SWAT by using MODIS land surface temperature data”  

“Experimental evaluation of irrigation methods for soil desalinization”  

※1 Also recorded on Joint Department of Veterinary Medicine

---

**Joint Department of Veterinary Medicine**

[1] Abdo W, Ghattas S, **Sakai H**, Hirata A, **Yanai T**.  
“Assessment of proliferative activity by proliferative cell nuclear antigen (PCNA) and anti-bromodeoxyuridine (BrdU) immunolabeling in the tissues of Japanese eels (Anguilla japonica).”  

“Pathological and Immunohistochemical Findings of Natural Highly Pathogenic Avian Influenza Infection in Tufted Ducks during 2010-2011 Outbreaks in Japan.”  

[3] Almadaly E, Farrag F, Shukry M, **Murase T**.  
“Plasma membrane integrity and morphology of frozen-thawed bull spermatozoa supplemented with desalted and lyophilized seminal plasma.”  

“Characterization of swine leukocyte antigen alleles and haplotypes on a novel miniature pig line, Microminipig.”  
“Neonatal lethality of neural crest cell-specific Rest knockout mice is associated with gastrointestinal
distension caused by aberrations of myenteric plexus.”
Genes Cells., Vol.19(10), pp.723-742, 2014/10

“Homology of the mesopallium in the adult chicken identified by gene expression of the neocortical
marker cholecystokinin”

“Glutamatergic thalamopallial projections in the pigeon identified by retrograde labeling and expression of
vGluT2 mRNA”

[8] Atoji Y, Karim MR.
“Expression of vesicular glutamate transporter 3 mRNA in the brain and retina of the pigeon.”

“Efferent and afferent connections of the olfactory bulb and prepiriform cortex in the pigeon (Columba
livia).”
J Comp Neurol., Vol.522(8), pp.1728-1752, 2014/06/01

“Generation of Monoclonal Autoantibodies from Babesia rodhaini-Infected Mice.”

Ishiguro N, Yu L, Zhang YP, Lee H, Kim KS.
“Genetic structure of wild boar (Sus scrofa) populations from East Asia based on microsatellite loci
analyses.”
BMC Genetics, Vol.15, pp.85, 2014/07/17

“Pathological findings in equine herpesvirus 9-induced abortion in rats.”

“Morphologic identification of a new Sarcocystis sp. in the common moorhen (Gallinula chloropus)
(Aves: Gruiiformes: Rallidae) from Brolos Lake, Egypt.”

Fukushi H, Yanai T.
“Susceptibility of BALB/c-nu/nu mice and BALB/c mice to equine herpesvirus 9 infection.”
Vet Pathol., Vol.51(3), pp.581-590, 2014/05

“Molecular characterization of Sarcocystis fusiformis and Sarcocystis buffalonis infecting water buffaloes
(Bubalus Bubalis) from Egypt.”

“Full genome sequences of zebra-borne equine herpesvirus type 1 isolated from zebra, onager and
Thomson's gazelle.”

“Squamous cell carcinoma in a capybara (Hydrochoerus hydrochaeris).”
[18] Haridy M, Al-Amgad Z, Sakai H, Mohi-Eldin M.
“Ameliorating effects of garlic, calcium, and vitamin C on chronic lead toxicity in albino rats.”

“An outbreak of Mycobacterium genavense infection in a flock of captive diamond doves (Geopelia cuneata).”

“Coenurus cerebralis cyst in the orbit of a ewe.”

“Mycobacterium marinum Infection in Japanese Forest Green Tree Frogs (Rhacophorus arboresus).”

[22] Hayashi T, Unno A, Baba M, Ohno T, Kitoh K, Takashima Y.
“CD44 mediated Hyaluronan adhesion of Toxoplasma gondii-infected leukocytes.”
Parasitol Int., Vol.63(2), pp.479-484, 2014/04

“Choriocarcinoma-like tumor in a potbellied pig (Sus scrofa).”

“Assessment of flow cytometry in counting blood of whale sharks as a rapid and reliable method.”

[25] Inoshima Y, Ishiguro N.
“On-site visual diagnosis of parapoxvirus infection using a portable cordless incubator.”

[26] Ishiguro N, Matsu H, Kikuchi H, Quanjia C, Dawei C, Quanchao Z, Chunxue W.
“Mitochondrial DNA analysis of ancient dog bones from the Yanjialiang, Fenglin, and Xicha Sites, China.”

[27] Ishiguro N, Murakami T, Elhelaly A.E, Inoshima Y.
“Surveillance of amyloid deposition and bacterial contamination in chicken liver from meat market.”

[28] Ito K, Ghattas S, Yanagisawa M, Uchida S, Sakai H, Yanai T.
“Assessment of flow cytometry in counting blood of whale sharks as a rapid and reliable method.”

“Identification and characterization of a multispecific monoclonal antibody G2 against chicken prion protein.”
Protein Sci., Vol.23(8), pp.1050-1059, 2014/08

“Distribution of vesicular glutamate transporter 2 in auditory and song control brain regions in the adult zebra finch (Taeniopygia guttata).”
J Comp Neurol., Vol.522(9), pp.2129-2151, 2014/06

“Influence of phosphate-buffered sucrose solution on early graft function in feline renal autotransplantation.”

“Immunocytochemical detection of the class A macrophage scavenger receptor CD204 using air-dried cytologic smears of canine histiocytic sarcoma.”


“Intracellular localization of Equine herpesvirus type 1 tegument protein VP22.”

[47] Rahman M, Azad MT, Nahar L, Rouf SM, Ohya K, Chiou SP, Baba M, Kitoh K, Takashima Y.
“Age-specificity of Toxoplasma gondii seroprevalence in sheep, goats and cattle on subsistence farms in Bangladesh.”

“Differential expression of the alternatively spliced forms of prosaposin mRNAs in the rat choroid plexus.”

[49] Shigemura H, Ishiguro N, Inoshima Y.
“Up-regulation of MUC2 mucin expression by serum amyloid A3 protein in mouse colonic epithelial cells.”

“Functional roles of capsaicin-sensitive intrinsic neural circuit in the regulation of esophageal peristalsis in rats: in vivo studies using a novel method.”

“Genetic diversity of maternal lineage in the endangered Kiso horse based on polymorphism of the mitochondrial DNA D-loop region.”

“Cholinergic neuromuscular transmission mediated by interstitial cells of Cajal in the myenteric layer in mouse ileal longitudinal smooth muscles.”

“Interaction of Rabies Virus PP.rotein With STAT Proteins is Critical to Lethal Rabies Disease.”

“A single immunization with recombinant rabies virus (ERAG3G) confers complete protection against rabies in mice.”
※1 Also Recorded on Course of Agricultural and Environmental Science

【Field Science Center】

[1] Nakajima H, Ishida M.
“Decline of Quercus crispula in abandoned coppice forests caused by secondary succession and Japanese oak wilt disease: Stand dynamics over twenty years.”
2) Book

【Course of Applied Life Science】

“Physical and Biological Properties of Agricultural Products”  
Kyoto University, 2014/02

“Cellulose Acetate in "Encyclopedia of Polymeric Nanomaterials"”  
Springer, 2014
II Lectures, Conference Presentation, etc.

1) Conference Presentation

【Course of Applied Life Science】

“Mathematical Model for Optimal Modified Atmosphere Packaging Design to Prevent Chilling Injury in Cucumber Fruits.”
International Conference of Sustaintable Agriculture, Food and Energy.( Bali, Indonesia), 2014/09

2014 JSRAE Annual Conference (Saga), 2014/09

“Radical oxidation mechanism of anthocyanins”
The XXVIIth International Conference on Polyphenols & The 8th Tannin Conference (Nagoya), 2014/09-02-06

“Formation mechanism of oolongtheanins”
The XXVIIth International Conference on Polyphenols & The 8th Tannin Conference (Nagoya), 2014/09-02-06

“Arginine contribute to high hydrostatic pressure tolerance”
The 3rd UGSAS-GU Symposium 2014 (Gifu), 2014/08/05

“Effect of relative humidity on chilling injury alleviation of cucumber fruit at low-temperature storage”
The 3rd UGSAS-GU Symposium 2014 (Gifu), 2014/08/05

“Epigallocatechin gallate induces a reduction of PCSK9 accompanying with an up-regulation of LDL receptor in HepG2 cells”
The 3rd UGSAS-GU Symposium 2014 (Gifu), 2014/08/05

“Development of bifunctional ganglioside GM3 probes for imaging of raft molecule complex.”
6th iCeMS Retreat (Kyoto), 2014/10/03-04

“Development of Fluorescent Gangliosides GD3 and GD1b Useful for Live Imaging of Cell Membrane.”
6th iCeMS Retreat (Kyoto), 2014/10/03-04

“Bioactivity of polyphenolic compounds in B16 melanoma cells”
The 3rd UGSAS-GU Symposium 2014 (Gifu), 2014/08/05

“Diazirine-containing RNA photo-cross-linking probes for capturing microRNA targets”
The 3rd UGSAS-GU Symposium 2014 (Gifu), 2014/08/05

“Symbiotic nitrogen-fixing soil bacterium has an ability of methanol utilization depending on rare earth elements”
The 16th Asian-Australian Animal Production (AAAP) congress (Yogyakarta, Indonesia), 2014/11/10-14

“Measurement and Evaluation of Dysfunction of Cell Membranes in Fruit and Vegetables during Oxygen Storage.”
International Conference of Sustaintable Agriculture, Food and Energy.( Bali, Indonesia), 2014/09


19. Ohno K, Nakamura K, Takamizawa K. “Degradation of tetrachloroethylene by microbiological substance(s) from activated sludge” International Union of Microbiological Societies Congress(Montreal, Canada), 2014/07/27-08/01

20. Oshima A, Hirose S, Nishimoto K, Yonase E. “Isolation and characterization of the red pigments from adzuki beans” The XXVIIth International Conference on Polyphenols&The 8th Tannin Conference(Nagoya), 2014/09/02-06


22. Sana Ben Othman, Nakako Katsuno, Kohji Kitaguchi, Tomio Yabe. “Water-soluble extracts from defatted sesame seed flour with anti oxidant activity in vitro protect cells against oxidative stress” The 3rd UGSAS-GU Symposium 2014(Gifu), 2014/08/05


25. Tamai H, Ando H, Ishida H, Kiso M. “Total synthesis of ganglioside GAA-7 and evaluation of its neuritogenic activity” 27th International Carbohydrate Symposium (ICS27) (The Indian Institute of Science, Bangalore, India), 2014/01/12-17
[26] Tamai H, Takeda Y, Mizuno T, **Ando H**, Ueki A, **Imamura A**, Ishida H, Kiso M.
“Synthetic study on neuritegenic glycoprophospholipid CJP-series from comatulida Comanthus japonica.”
Sialoglyco2014(Australia), 2014/09/07-10

[27] Ueki A, Unga J, Higuchi Y, Kawakami S, **Ando H**, Ishida H, Yamashita F, Hashida M, Kiso M.
“Synthesis and Evaluation of Sialyl Lewis X Mimic-coated Liposomes for DDS.”
6th iCeMS Retreat(Kyoto), 2014/10/03-04

“Synthesis of Novel Glycolipid with Sialyl Lewis X Epitope and Evaluation of Glyco-coated Liposomes for DDS”
27th International Carbohydrate Symposium (ICS27) (The Indian Institute of Science, Bangalore, India), 2014/01/12-17

[29] Ueki A, Unga J, Higuchi Y, Kawakami S, **Ando H**, Ishida H, Yamashita F, Hashida M, Kiso M.
“Synthesis and Evaluation of Sialyl Lewis X-coated Liposomes for Drug Delivery System”
Sialoglyco2014(Australia), 2014/09/07-10

“Pectin alters sulfated structure of cell-surface heparan sulfate in differentiated Caco-2 cells thereby inducing proliferation of IEC-6 cells in co-culture”
Gordon Research Conference 2014 Proteoglycans(Andover, NH, USA), 2014/07/06-11

Course of Agricultural and Environmental Science

[1] Diana Hapsari, **Takeo Onishi, Masateru Senge**.
“Evaluation of soil erosion rate in Japanese cedar forest by using 137Cesium radio isotope as a fingerprint tracer”
The 3rd UGSAS-GU Symposium 2014(Gifu), 2014/08/05

“Effects of stocking rate on forage intake and digestibility of goats grazing abandoned fields: the result of first year grazing.”
The 5th China-Japan-Korea Grassland Conference(Changchun, China), 2014/08/20-24

[3] **Ninomiya S**.
“A preliminary assessment of horse’s welfare on breeding and fattening farms in Japan”
6th International Conference on the Assessment of Animal Welfare at Farm and Group Level(France), 2014/09/03-05

“Studies on the changes in fecal steroid hormone metabolites in female reproductive cycles to Cercopithecus and Hylobates”
The 3rd UGSAS-GU Symposium 2014(Gifu), 2014/08/05

[5] Pham TH, **Miyagawa S**.
“Historical landscape affects present tree density in paddy field.”
XII International Conference on Ecological and Environmental Engineering(London), 2014/11

“Genetic structure of a Japanese butterfly, Luehdorfia japonica, inferred from mtDNA analyses”
The 3rd UGSAS-GU Symposium 2014(Gifu), 2014/08/05

“Environment towards the existence of grey-headed lapwing (Vanellus cinereus)”
The 3rd UGSAS-GU Symposium 2014(Gifu), 2014/08/05
“Metagenomic analysis of bacterial flora in rhizospheres of Allium plants and suppressive activity of Pseudomonas isolates against Fusarium wilt of cucumber”
The 3rd UGSAS-GU Symposium 2014(Gifu), 2014/08/05

“Study on Development of Organic Rice Farming System Leading by Local Government and Expert Organic Farmers, A Case Study in West Sumatra, Indonesia”
The Agricultural Marketing Society of Japan individvual presentation(Wakayama), 2014/07/06

“The role of local government and expert organic farmers in developing organic rice farming system in West Sumatra, Indonesia”
The 3rd UGSAS-GU Symposium 2014(Gifu), 2014/08/05

“Comparison of the water temperature in coniferous forest basin and broadleaf forest basin”
The 3rd UGSAS-GU Symposium 2014(Gifu), 2014/08/05

[12] Xu W, Taki Y, Yayota M.
“Effects of early experience with low-quality roughage on intake, digestibility and nitrogen metabolism in lambs.”
The 5th China-Japan-Korea Grassland Conference(Changchun, China), 2014/08/20-24

“Changes in gonadal activity associated with rearing condition, egg laying and molting in captive Svalbard rock ptarmigan (Lagopus muta hyperboreus).”
26th International Ornithological Congress(Tokyo), 2014/08/18-24

“Prediction-oriented plant promoter analysis”
The 38th Naito Conference on “Molecule-based biological systems” (Sapp.oro), 2014/10/07-10

“Study on irrigation water requirements for the control of Ralstonia solanacearum via soil solarization in managing tomato cultivation”
The 3rd UGSAS-GU Symposium 2014(Gifu), 2014/08/05

[16] Yayota M, Tani Y, Ohtani S.
“Allocation of ingestive jaw movements by cattle during daily grazing.”
The 5th China-Japan-Korea Grassland Conference(Changchun, China), 2014/08/20-24

“A trial of artificial breeding in Amur leopard cats (Prionailurus bengalensis euptilurus).”
The 22nd SEAZA Conference 2014(Taipei Zoo, Taiwan), 2014/10/25-28

“Economic feasibility and farmer's interest on rainwater harvesting (on-farm reservoir) project in Gondangrejo, Indonesia”
The 3rd UGSAS-GU Symposium 2014(Gifu), 2014/08/05

【Joint Department of Veterinary Medicine】
“Localization of vesicular glutamate transporter 3 mRNA in the brain and retina of pigeons”
The 119nd ANAT ALLRIGHTS RESERVED（Shimotsukeshi）, 2014/03/27-29
2. Ishiguro N, Asai T, Yanai T.
   “Practical Veterinary Education: Training and Advanced Laboratory Experiments in Four Universities and Three National Institutes”
   13th Meeting of Asian Association of Veterinary Schools/ One Health Forum Korea 2014 (Seoul), 2014/07

   “Past, present and future of Asian Society of Zoo and Wildlife Medicine.”
   The 1st International Congress and Annual Meeting of Myanmar Veterinary Association (Yangon, Myanmar), 2014/02

   “A challenge for one-health education for Asian conservation medicine” by Asian Society of Conservation medicine (ASCM) and FAVA.”
   18th Federation of Asian Veterinary Association Congress(Singapore), 2014/11

5. Muhammad N, Murakami T, Ogawa S, Inoshima Y, Ishiguro N.
   “Long-term study of AA amyloidosis mechanism within and across the animal species”
   XIV International Symposium on Amyloidosis(Indianapolis, USA), 2014/04/27-05/01

   “Long-term study of amyloid transmission within and across the animal species in murine AA amyloidosis model”
   The 157th meeting of the Japanese Society of Veterinary Science (Hokkaido University), 2014/09/09-12

   “New network for Asian conservation medicine.”
   The 63rd Annual meeting of Wildlife Disease Association(Albuquerque, USA), 2014

   “Characterization of cephalosporin resistance in enterobacteriae isolated farm.”
   The 1st International Congress and Annual Meeting of Myanmar Veterinary Association (Yangon, Myanmar), 2014/02

9. Saito S, Atoji Y.
   “NeuN immunoreactivity in the adult brain of Xenopus laevis”
   The 119nd ANAT ALLRIGHTS RESERVED (Shimotsukeshi), 2014/03/27-29

10. Shiina T, Naitou K, Nakamori H, Shimizu Y.
    “INHIBITORY ACTIONS OF HYDROGEN SULFIDE ON CONTRACTIONS OF THE ESOPHAGEAL STRIATED MUSCLE”
    Third International Conference on Hydrogen Sulfide in Biology and Medicine(Kyoto), 2014/06/04-06

    “Equine herpes virus 9 (EHV-9) as an emerging infectious agent in zoo animals.”
    The 63rd Annual meeting of Wildlife Disease Association(Albuquerque, USA), 2014

    “An outbreak of AA amyloidosis in a growing hen farm in Japan.”
    The 1st International Congress and Annual Meeting of Myanmar Veterinary Association (Yangon, Myanmar), 2014/02

    “One health education” from Asian Society of Zoo and Wildlife Medicine (ASZWM).”
    13th Meeting of Asian Association of Veterinary Schools/ One Health Forum Korea 2014 (Seoul), 2014/07

    “Starting of a civil-participating event “The world veterinary day” in Japan, a memory of 2001 to 2006.”
    18th Federation of Asian Veterinary Association Congress(Singapore), 2014/11
2) Academic lecture

【Course of Applied Life Science】

[1] Ando H.
“Ganglioside Synthesis Makes for Raft Science”
Asia-Canada Glycoscience Meeting(Vancouver, Canada), 2014/05/31-06/01 （Invitation lecture）

“Diverse synthesis of gangliosides for exploring functional molecular complexes in the cell membrane.”

[3] Ishida H.
“Chemical Synthesis of Sialoglycosphingolipids.”
Frontiers in Chemical Sciences, Indian Institute of Technology Guwahati (India), 2014/12/04-06 （Invitation lecture）

“Chemical synthesis of neuritegenic gangliosides from echinoderms”
Sialoglyco2014(Australia), 2014/09/07-10 （Invitation lecture）

“Synthetic Gangliosides and Glycan Probes for Cell-Material Integration”
27th International Carbohydrate Symposium (ICS27) (The Indian Institute of Science, Bangalore, India), 2014/01/12-17 （Invitation lecture）

[6] Nagaoka S.
“A novel hypocholesterolemic pentapeptide, lactostatin, inhibits cholesterol absorption via the suppression of ABCA1 gene expression in Caco-2 cells.”
105th American Oil Chemist’s Society (AOCS) Annual Meeting and Expo (San Antonio, USA), 2014/05/04-07 （Invitation lecture）

[7] Nagaoka S.
“105th American Oil Chemist’s Society (AOCS) Annual Meeting and Expo”
Frontiers in Chemical Science (FICS) 2014, Indian Institute of Technology(Guwahatti, India), 2014/12/05-06 （Invitation lecture）

[8] Nakano K.
“Sustainability Framework for Post-harvest Technology in Japan.”
30th ccelebration of Warmadawa University, Indonesea (Bali, Indonesia), 2014 （Invitation lecture）

[9] Nakano K.
“Easy and Low-cost Evaluation Method for the Freshness of Green Beans Based on the Stachyose Detection.”
International Conference of Sustainatble Agriculture, Food and Energy. (Bali, Indonesia), 2014 （Invitation lecture）

“Synthesis of Selenium-Containing Glycan Probes and Its App.lication for the X-ray Structural Analysis of Glycan-Protein Complex.”
27th International Carbohydrate Symposium (ICS27) (The Indian Institute of Science, Bangalore, India), 2014/01/12-17 （Invitation lecture）