

博士課程学生・修了生プロフィール（岐阜大学大学院連合農学研究科）掲載一覧

Profile of doctoral students and graduates (UGSAS, Gifu University)

No.	専門分野 Specialized field	氏名 Full name	配属大学 Assigned university
1	Genome Microbiology	Hend Altaib	Gifu University
2	Utilization of biological resources studies, etc.	Md. Sultan Mahomud	Gifu University
3	Plant physiology / Agronomy	Magdi Tawfik Abdelhamid	Gifu University
4	Management of Biological Environment	Shiamita Kusuma Dewi	Gifu University
5	Forest Management	Siri Nimal Wickramaratne	Gifu University
6	Postharvest Physiology	Anupama Shomodder	Gifu University
7	生物生産科学	Gui Rong	岐阜大学
8	Agricultural & Environmental Engineering	Le Hong Phuong	Gifu University
9	農学・生物生産科学	陳 文炳(Chen Wenbing)	静岡大学
10	Agricultural Science / Science of Biological Production	Md. Anisur Rahman	Gifu University
11	Postharvest Biology, Plant Physiology, Horticulture Science, etc.	Md. Masikur Rahman	Shizuoka University
12	Molecular cell biology	Hoang Xuan Khoi	Shizuoka University
13	Microbiology animal product studies / microbial enzyme production studies	Viagian Pastawan	Gifu University
14	Food Logistics Science	Utsarika Singha	Gifu University
15	環境生物・生態学	長縄 秀俊	岐阜大学

No.1

Name of United Graduate School of Agricultural Sciences	Assigned university	Name
Gifu University	Gifu University	Hend Altaib
Specialized field	Genome Microbiology	
Research Theme	<ul style="list-style-type: none"> ➤ Relation between Bifidobacterium abundance and the level of fecal neurotransmitters ➤ Improvement of expression system of <i>Bifidobacterium</i> for factory scale production of important materials 	
Obtained (planned) degree	Doctor of Philosophy Ph.D (Agriculture)	
Acquired degree (planned) date	Obtained in March 2021	
Message		
<p>Gut Microbiota are important part of our body. It is often called the forgotten organ owing to their broad effect on human body. In my previous study, I focused to study the relation between the abundance of certain gut microbiota members and the level of fecal neurotransmitters. Additionally, I am working to improve the expression system of <i>Bifidobacterium</i> for factory scale production of important materials such as Gamma Amino Butyric Acid. In the future, I am looking forward for a position in microbiome related research field or biotechnology. I wish to serve humanity by my research.</p>		

No.2

Name of United Graduate School of Agricultural Sciences	Assigned university	Name
Gifu University	Gifu University	Md. Sultan Mahomud
Specialized field	Utilization of biological resources studies, etc.	
Research Theme	Protein interactions and yoghurt properties as influenced by the pretreatment of skim milk	
Obtained (planned) degree	Doctor of Philosophy Ph.D (Agriculture)	
Acquired degree (planned) date	22 September, 2017	
Message		
<p>At this moment I am working as Professor at the public university of Bangladesh. My research interests are Food structure and functionality with a focus on dairy products, Extraction of micronutrients (Polyphenol, antioxidant, carotene) from byproducts (banana peel, potato peel), and development of value-added products (Cake, biscuits, yoghurt, cheese) for different groups of people (Baby, Aged people, diabetic patient) as well as Preparation of milk from plant origin (soya bean, pea bean, rice, corn, coconut, almond, cowpea) and development of dairy products (yoghurt, cheese, sweet) by substituting cow milk with plant-based milk for the rural area of Bangladesh.</p>		

No.3

Name of United Graduate School of Agricultural Sciences	Assigned university	Name
Gifu University	Gifu University	Magdi Tawfik Abdelhamid
Specialized field	Plant physiology / Agronomy	
Research Theme	<ul style="list-style-type: none"> • Plant stress physiology • Irrigation water management 	
Obtained degree	Doctor of Philosophy Ph.D (Agriculture)	
Acquired degree (planned) date	Obtained in March 2004	
Message		
<p>I am working as Research Professor and Head of Botany Department of the National Research Centre (NRC), Cairo, Egypt, and was Arab Visiting Distinguished Scholar at The International Maize and Wheat Improvement Center (CIMMYT) Mexico City, Mexico. I obtained my Ph.D. in 2004, Gifu University, Japan, and was a Postdoctoral Fellow at Centre for Legumes in Mediterranean Agriculture (CLIMA), University of Western Australia, Australia. I am expert in Plant physiology under environmental stresses. My research focuses on understanding the mechanism of drought and salinity tolerance and improvement of crop production, especially in arid areas. I am member of several national and international committees e.g. Food and Agriculture Research Council. I am member of several editorial boards of peer-reviewed journals e.g. Crop Science (USA), Agronomy Journal (USA), Journal of Horticultural Science & Biotechnology, Frontiers in Agronomy, and Folia Horticulturae, as well as ad hoc reviewer for more than 60 journals. I have been selected as an expert at the United Nations Environment Programme (UNEP) as the leading author of Water chapter and contributing author of the Land Chapter of Global Environment Outlook (GEO) GEO-5 for assessment of the state and trends of the global environment. Additionally, I have been working as a Consultant for FAO-Egypt Representation, Food and Agriculture Organization, Cairo, Egypt. I have long experience in research and coordinating research projects at the national and international levels on on-farm water management and drought/heat/salinity tolerance on crops. I have been invited to give many scientific talks in several countries and has been invited to many national and international conferences. I have been awarded the prize of “State Scientific Excellence Award in Agricultural Sciences 2020” from The Ministry of Higher Education and Scientific Research, Egypt</p> <p>Main published papers and books and reports: https://scholar.google.com/citations?hl=en&user=r1XpoyUAAA&view_op=list_works&sortby=pubdate</p>		

No.4

Name of United Graduate School of Agricultural Sciences	Assigned university	Name
Gifu University	Gifu University	Shiamita Kusuma Dewi
Specialized field	Science of biological environment studies/ Management of Biological Environment	
Research Theme	<ul style="list-style-type: none"> • Respond of soil chemical properties and microbial community to biodegradable and non-biodegradable of mulching plastic residues • Impact of biodegradable and non-biodegradable mulching plastic residues on vegetation and rhizosphere zone 	
Obtained (planned) degree Acquired degree (planned) date	in March 2024 (scheduled)	
Message		
<p>I am widely interested in studying the contaminant in the soil system. I have majored in soil science since I was an undergraduate student and during my master's thesis, I studied heavy metal contaminants in soil especially focused on the inhibition effect of wood ash on arsenic transfer from contaminated soil to vegetation. During my doctoral course, I expand my interest in understanding microplastic contamination in the soil system.</p> <p>Global production and use of plastics increased from 1.5 million tons in 1950 to 368 million tons in 2019. These plastic products are produced and used extensively, and ultimately this material slowly decomposes over a long period, leading to plastic residues in the natural environment, including soil. Under conditions such as natural weathering and mechanical processes, plastics are continuously broken down into small particles called microplastics. Once MP enters the soil system, these particles can, directly and indirectly, affect ecosystem function and plant-soil health. Published papers related to microplastics also followed increasing, however, there have been few studies related to the presence of MPs in soils. Improving our understanding of the effects of microplastics' existence in the soil is important for maintaining soil quality, crop production, and food security. My goal as a researcher, I would keep the environment (especially soil) sustainable and safe not only for human beings but also for plants and animals.</p> <p>Qualification: state soil quality specialist, soil scientist</p> <p>Laboratory homepage: https://www1.gifu-u.ac.jp/~waterres/index_e.html</p>		

No.5

Name of United Graduate School of Agricultural Sciences	Assigned university	Name
Gifu University	Gifu University	Siri Nimal Wickramaratne
Specialized field	Forest Management	
Research Theme	• Sustainable Management of Tropical Forests	
Obtained (planned) degree Acquired degree (planned) date	Doctor of Philosophy Ph.D (Agriculture) Obtained in March 1997	
Message		
<p>Laboratory homepage: URL https://www.clark.edu/; https://my.uopeople.edu/my/</p> <p>S.N Wickramaratne (2009) Development History of Biogeography. <i>Vidyodaya Journal of Social Sciences and Humanities</i> – University of Sri Jayawardenepura, Sri Lanka (2 of 2008): 249-272.</p> <p>W.M.G.B Giragama and S.N Wickramaratne (2007) Energy Planning for the 21st Century in Sri Lanka. Paper presented at: <i>International Conference on the Economics of Environment, Natural Resources and Energy</i>. 01,2-3/ 2007. Jadavpur University, Colkata-700 032, India.</p> <p>S.N. Wickramaratne (2005) Ecosystem Diversity of Sri Lanka –The Traditional Perspective. In: <i>Biodiversity Dimensions in TRADITIONAL KNOWLEDGE AND LIFE STYLE</i> (Task Force 4 of BCAP+5 Review Process) National Expert Committee on Biodiversity (NECBD) - Task Force on Traditional Knowledge and Lifestyle, Sri Lanka.</p> <p>S.N.Wickramaratne and W.M.G.B. Giragama (2005) Some Geological Aspects of the Knuckles Massif. <i>Lyriocephalus</i> 6 (Special Issue):207-213.</p> <p>W.M.G.B. Giragama and S.N.Wickramaratne(2005) Climate and Cloud Study in the Knuckles Massif. <i>Lyriocephalus</i> 6 (Special Issue) :215-231.</p> <p>S.N. Wickramaratne, Susumu Hayashi and S. Herath (1996) The Current Status of Conserving Tropical Forests in Sri Lanka. <i>Tropics</i> 6 (1&2): 129-137.</p> <p>S.N.Wickramaratne, Susumu Hayashi and J.K.Hertah (1996) Plantation Forestry in Sri Lanka: Its Development History and the Present State. <i>Jour. Forest Planning</i>. 2: 107-114.</p>		

No.6

Name of United Graduate School of Agricultural Sciences	Assigned university	Name
Gifu University	Gifu University	Anupama Shomodder
Specialized field	Postharvest Physiology	
Research Theme	Exploring the relationship between circadian rhythm and postharvest quality of soybean sprouts during storage	
Obtained (planned) degree	Doctor of Philosophy Ph.D (Agriculture)	
Acquired degree (planned) date	September 2022	
Message		
<p>Currently, I am a 3rd year doctoral student devoted to uncovering circadian rhythm of soybean sprouts after harvest and a relation with the storage quality as well. I am curious to explore the behavior of clock gene expression and their underlying interactions with changes in quality during postharvest handling. In order to finding the response behavior of the circadian clock system I am measuring clock gene expression by RT-PCR and analyzing the rhythm by fitting with the cosine curve equation using R software. In addition, I am measuring respiration rate as a physiological process by Gas chromatography and other quality parameters to find relationship between circadian clock function and postharvest quality maintenance of soybean sprouts. Basically, I have majored in food science since I was an undergraduate student and during my master's I have been studying the postharvest physiology and quality maintenance of fresh produce. In the future, I would like to get a job where I can carry out research and educational practices in a wide range of agricultural fields to meet the food and nutritional requirements of consumers in relation to their demand. I hope I can leave my footprint in the field of research for the welfare of humankind.</p>		
Laboratory homepage: http://www.abios.gifu-u.ac.jp/knakano/member.html		

No.7

連合農学研究科	配属大学	氏名
岐阜大学	岐阜大学	GUI RONG
専門分野	生物生産科学	
研究テーマ	・中国における障がい者福祉と農業の関係 ・障がい者の農業就労に関する日本と中国の比較	
取得（予定）学位 取得（予定）年月	博士（農学）	2024年3月 取得（予定）
メッセージ		
<p>私は修士の時から生物生産環境科学を専攻し、修士論文では障がい者の農業就労に関する日本と中国の比較について研究してきました。日本では障がい者の就労形態が様々であり、行政の支援で農業と福祉の連携が推進している。しかし、中国で行政の支援が不十分と農作業中、障がい者への配慮が不十分など課題は見られた。</p> <p>農業というフィールドを活用した新たな社会の創造であると広い観点で捉えなおすと「農福」がSDGsの10余の目標に関わる取り組みになる。そこで、障がい者の農業就労の世界的推進状況を明確するため、博士課程では中国における都市部と農村部それぞれの障がい者と農業が連携する新しいモデルを発見する研究を行っている。これは、日本や中国の障がい者就労に役に立つだけでなく、農業に携わることが多いと考えられる発展途上国の障がい者の就労にも役に立つ。インタビューとアンケート調査は主要な研究方法である。</p> <p>将来は、大学の教師または研究所の研究員として障がい者と農業の連携に関する研究を続けたいと考えている。</p> <p>研究室のホームページ：URL https://www1.gifu-u.ac.jp/~soba/index.html</p> <p>個人情報 性別：女 年齢：31 国籍：中国</p>		

No.8

Name of United Graduate School of Agricultural Sciences	Assigned university	Name
Gifu University	Gifu University	LE HONG PHUONG
Specialized field	Agricultural & Environmental Engineering	
Research Theme	<ul style="list-style-type: none"> - Earthquake-induced deformation analyses of earth dams - Seismic stability of earth dams and embankments 	
Obtained (planned) degree Acquired degree (planned) date	Doctor of Philosophy Ph.D (Agriculture) Obtained in September 2022 (scheduled)	
Message		
<p>Earthquakes are a natural phenomenon that caused terrible disasters for human society. For structures like earth dams, when being a failure caused by an earthquake, it also produces significant losses. Additionally, major damage without failure can have severe economic consequences. Therefore, to ensure dam safety, appropriate safety evaluation of such dams is crucial. During my doctoral course, I have been studying and explaining the dynamic behavior during earthquakes, as well as investigating the failure mechanism of dams. In future research, I will be interested in the nonlinearity of material or other advanced constitutive laws and dynamic reservoir-dam for describing other possible failure mechanisms. In addition, nowadays we are seeing Artificial Intelligence (AI) techniques are widely used in civil engineering. Therefore, using AI to predict the failure of the dam when suffering from possible earthquakes will be a potential topic that I will plan to research in the near future.</p> <p>Main published papers:</p> <p>Phuong Hong Le*, Shin-ichi Nishimura, Tatsuro Nishiyama, Chen Fang, and Thai Canh Nguyen (2021). Evaluation of stress of box culvert for agricultural dam. International Journal of GEOMATE, Vol. 20, Issue 77, pp. 132-140. (https://doi.org/10.21660/2020.77.66159)</p> <p>Phuong Hong Le, Shin-ichi Nishimura, Tatsuro Nishiyama, and Thai Canh Nguyen (2021). Modified Newmark approach for evaluation of earthquake-induced displacement of earth dam-applying for re-division of sliding mas. International Journal of GEOMATE, Vol. 21, Issue 86, pp. 1-8. (https://doi.org/10.21660/2021.86.j2291)</p>		

No.9

連合農学研究科	配属大学	氏名
岐阜大学	静岡大学	陳 文炳 (Chen Wenbing)
専門分野	農学・生物生産科学	
研究テーマ	Identification method for eel species using DNA barcoding; Identification method for <i>Indica-Japonica</i> subspecies rice by Fluorescence PCR detection for chloroplast DNA	
取得（予定）学位 取得（予定）年月	博士（農学）	1994年3月 取得
メッセージ		
<p>The title of a dissertation for Ph. D: <i>Indica</i> and <i>Japonica</i> Differentiation and its Relevance to Domestication Process in Rice: Bioarchaeological and Molecular Genetic Studies(水稻の栽培化に関する生物考古学および分子遺伝学的研究)</p> <p>My current workplace organization: Division of biology inspection for food, Technology Center of Fuzhou Customs District (今の職場：福州税関技術センター 食品生物学試験部)</p> <p>主な仕事：食品および農産物のトランスジェニック成分および動物と植物源部品を分子生物学的同定</p> <p>取得資格：研究員（教授）</p> <p>研究室のホームページ：http://www.fjiqtc.com</p> <p>主な公表論文：</p> <ol style="list-style-type: none"> 1. Nakamura, I., W. B. Chen and Y. I. Sato, 1991. Analysis of Chloroplast DNA from ancient rice seeds. Annual report of National Institute of Genetics, Japan. 42 : 108-109 2. Chen, W. B., Nakamura, I., Y. I. Sato, & H. Nakai, 1992. Distribution of different chloroplast DNA types in <i>indica</i> and <i>japonica</i> rice. <i>Rice Genetics Newsletter</i>, 9: 142-144 3. Chen, W. B., Nakamura, I., Y. I. Sato, & H. Nakai, 1993. Distribution of deletion type in cpDNA of cultivated and wild rice. <i>Japanese Journal of Genetics</i>, 68 (6) :579-603 4. Chen, W. B., Y. I. Sato, Nakamura, I., & H. Nakai, 1994. <i>Indica-japonica</i> differentiation in Chinese rice landraces. <i>Euphytica</i>, 74(3): 195-201. 5. Chen, W. B., Y. I. Sato, Nakamura, I., & H. Nakai, 1994. Segregation of molecular markers in hybrid population derived from a <i>japonica</i> × <i>indica</i> cross of rice. Proceedings of the 7th asia-pacific Breeding Society (Sabrao), Pp.479-484, Taipei, China 		

6. **Chen, Wenbing**, Zhang Guman. The types of esterase isozymes of taro in China and the classification of cultivar groups, *Journal of Fujian Agricultural University*, 1997, 26 (4) : 421-426
7. **Chen, Wenbing**. A review of genetic studies on the origin and differentiation of Asian cultivated rice(*Oryza sativa* L.). *Acta Agriculturae Shanghai*, 1999, 15(3) : 42-48.
8. **Chen, Wenbing**, Long, Chunlin. Electrophoresis analysis of soluble protein and isozymes in *Eutrema wasabi*. 10th International Congress on Genes, Gene Families, and Isozymes. Pp.74. Beijing, 1999
9. **CHEN, Wen-Bing**, Yo-Ichiro Sato, Ikuo Nakamura, Hirokazu Nakai. Application of the PCR Analysis of DNA in Plant Archaeological Studies. In: International Symposium On Biodiversity Management and Sustainable Socio-Economic Development in the Upper Mekong Basin. Pp.29. Xishuangbanna, China. Jan. 4-5,1999
10. **CHEN Wenbing**, LONG Chunlin, ZHANG Jianfu. Study on genetic diversity of RAPD markers in *Amorphophallus*, *Journal of Agricultural Biotechnology*, 2001, 9 (4) : 391-395
11. **CHEN Wen-Bing**, LI Shou-Song, SHAO Bi-Ying, et al. Preliminary study on detecting the SARS-coV specific target cDNA fragments by multiplex PCR. *Genomics, Proteomics & Bioinformatics*, 2004, 2 (1) : 55-58.
12. **CHEN Wenbing**, WANG Zhiming, LI Shousong, et al. Application of molecular marker techniques in the inspection and quarantine of animal & plant as well as in the detection of GMOs. *Journal of Fujian Agriculture and Forestry University (Natural Science Edition)*, 2004, 33 (4) : 494-500.
13. **CHEN Wen-bing**, JIANG Shu-xun, SHAO Bi-ying, et al. Development of PCR detection method for genetically modified component in familiar edulis fungi. *Food Science*, 2004, 25 (10) : 206-210.
14. **CHEN Wenbing**, SHAO Biying, LIAO Xianbiao et al. Application of PCR detection for some animal components in processed food. *Food Science*, 2005, 26 (8) : 338-342.
15. **CHEN Wenbing**, LI Shousong, SHAO Biying, et al. Preliminary study on the detection of target genes of SARS virus in foods by multiplex PCR. *Journal of Chinese Institute of Food Science and Technology*, 2005,5(3):73-79.
16. **CHEN Wenbing**, ZHU Xiaonan, JIANG Shu-xun, et al. Detection of genetically modified component in familiar edible fungi by multiplex PCR. *Journal of Fujian Agriculture and Forestry University (Natural Science Edition)*, 2005, 34 (4) : 478-482.
17. **CHEN Wen-bing**, JIANG Shu-xun, SHAO Bi-ying, et al. Detection of genetically modified component

in familiar edulis fungi by multiplex PCR. 10th International Congress of SABRAO, Pp.L-12, August 22-23,2005, Tsukuba, Japan

18. **CHEN Wenbing***, ZHU Xiaonan, SHAO Biying, et al. Identification for bovine and some plant components in soybean- milk powder, milkpowder and fruit juice by PCR. Journal of Chinese Institute of Food Science and Technology, 2006, 6 (1) : 362-366.
19. **CHEN Wenbing***, SHAO Biying, JIANG Shuxun et al. PCR detection for some components extracted from plant in food, Food Science, 2006, 27 (11) : 404-408.
20. WANG Changkang, **CHEN Wenbing***, SHAO Biying, et al. PCR analysis on metabolic remains of transgenic component derived from feed in poultry body. Food Science, 2007, 28 (8) : 428-432.
21. **CHEN Wenbing**, LIN Yuan SHAO Biying, et al. Optimization of RAPD-PCR detection system for Agaricus bisporus, Food Science, 2008, 29 (10) : 428-432.
22. LIN Yuan, **CHEN Wenbing***, SHAO Biying, et al. Detection of genetic diversity of agaricus bisporus using RAPD markers, Food Science, 2009, 30 (20) : 272-276.
23. **CHEN Wenbing**, ZHAO chen, SHAO Biying, et al. Primer screening and optimization of PCR system for the detection of puffer fish, Food Science, 2010, 31 (20) : 376-381.
24. ZHANG Jing, **CHEN Wenbing***, SHAO Biying, et al. Study on genetic diversity and classification of strain-groups in Agaricus bisporus by SRAP,ISSR,RAPD markers. Journal of Chinese Institute of Food Science and Technology, 2010, 10 (6) : 6-13.
25. ZHANG Jing, **CHEN Wenbing***, SHAO Biying, et al. Establishment of SCAR markers and its application for identification of strain-groups in Agaricus bisporus_Journal of Chinese Institute of Food Science and Technology, 2011, 11 (4) : 194-202.
26. **CHEN Wenbing**, LIN Shaohua, SHAO Biying, et al.;Partial DNA sequence analysis of *Cyt b* gene in puffer fish, Food Science, 2012, 33 (20) : 227-232.
27. ZHANG Bing, WANG Zhi-chun, **CHEN Wenbing***. Pretreatment optimization of simulated rice cake samples for Fluorescence Polymerase Chain Reaction to detect transgenic components, Food Science, 2014, 35 (2) : 243-247.
28. QU Liang-miao , **CHEN Wen-bing*** , M IAO Ting-yu, et al. Confirmation of PCR results for puffer fish components by restriction endonuclease digestion, Food Science, 2014, 35 (8) : 169-173.
29. WANG Zhi-chun, ZHANG Bing, SHAO Bi-ying, **CHEN Wen-bing***.Effect of pretreatment of rice seed samples on real-time fluorescence PCR detection of genetically modified ingredients, Journal of Fujian Agriculture and Forestry University (Natural Science Edition), 2015, 44 (1) : 8-13.
30. **CHEN Wenbing**, WENG Guozhu, CHEN Rongbin, et al. Partial DNA Sequence Analysis of 16S rRNA

Gene in Puffer Fish, Food Science, 2015, 36 (21) : 140-144.

34. MIAO Tingyu, SHAO Biying; PENG Juan, JIANG Shuxun, **CHEN Wenbing***. Effect of ultrasonic treatment of rice seed samples to real-time fluorescence PCR detection of genetically modified ingredients, Plant Quarantine, 2016, 30 (3) : 72-76
31. **CHEN Wenbing**, MIAO Tingyu;PENG Juan, et al. Identification of *Anguilla rostrata*, *Anguilla anguilla* and *Anguilla japonica* Using DNA Barcoding Based on 16S rRNA Gene, Food Science, 2017, 38 (4) : 283-289
32. **CHEN Wenbing**, SHAO Biying;MIAO Tingyu, et al. Identification of six eel species using polygenic DNA barcoding, Food Science, 2018, 39 (02) 163-169
33. **CHEN Wenbing**, MIAO Tingyu, WENG Guozhu, et al. Analysis of partial DNA sequence of *CO I* Gene and its application for species identification of thirteen species of puffer fish, Food Science, 2018, 39 (24) 145-148
34. **CHEN Wen-Bing**, SHAO Bi-Ying;LIN Yang-Wu, et al. Identification method of hsien and Keng rice by sybr-green fluorescent-pcr detection for chloroplast DNA, China Port Science and Technology, 2020, (10) : 17-25.
35. Biying Shao, Tingyu Miao, Juan Peng, Bin Chen, **Wenbing Chen***. Identification of *Indica-Japonica* subspecies rice by duplex Fluorescence PCR detection for chloroplast DNA and endogenous *gos* gene. International Journal of Nutrition and Food Sciences. 2021, 10(5): 101-107.

* Correspondence author

No.10

Name of United Graduate School of Agricultural Sciences	Assigned university	Name
Gifu University	Gifu University	Md. Anisur Rahman
Specialized field	Agricultural Science / Science of Biological Production	
Research Theme	<ul style="list-style-type: none"> • Studies on the Mechanism of Chalaza Formation in Quail Eggs 	
Obtained (planned) degree	Doctor of Philosophy Ph.D (Agriculture)	
Acquired degree (planned) date	Obtained in September 2009	
Message		
<p>The insufficient animal food (protein) supply to worldwide increasing population demands the increase of animal productivity has impact on the conservation of endangered animal species. Poultry meat and egg served as animal food has high nutritive (protein) value and easily available with a minimum cost. Since graduated from Zoology Discipline at Rajshahi University in Bangladesh, I was highly interested in understanding the mechanism of egg formation in Japanese quail. Thus, I have majored in Agricultural Science in Gifu University. During my doctoral course, in order to find out the mechanism of chalaza formation in Japanese quail egg I was conducting my research for the students of Zoological Science of Gifu Prefecture, Japan as well as the students of Rajshahi University in my homeland. The knowledge and experiences gathered in Gifu University are utilizing in the field of chicken reproductive biology in my own University by me.</p> <p>The oviduct is a highly complex and dynamic organ in the reproductive system of avian species. During the long journey through the entire oviduct, chalaza materials were sequentially secreted and deposited as layers around the ovulated ova kept a vital role in fertilization and the matured chalaza cord as string played a great role in yolk floatation in egg albumin and development of embryo inside the egg. Thus, it has great impact on food security and for this the egg production is of special interest to the commercial egg industry or producers and nature conservator.</p> <p>Presently, I am working on chicken reproductive biology and in future, would like to carry out research and educational practices in a wide range of fields related to the biological production to meet up the deficiency of animal proteins through food security and to keep the biodiversity safe through animal conservation.</p> <p>Main published papers:</p>		

1. **Rahman, M. A.** & Yoshizaki, N. 2012. The time of embryonic axis formation in quail eggs. *Univ. j. zool. Rajshahi Univ.* 31: 89-90.
2. Iwasawa, A., **Rahman, M. A.**, Roy, T. K., Moriyama, A. & Yoshizaki, N. 2010. Morphological and histochemical changes in the uterus epithelium during eggshell formation in quail. *J. Poult. Sci.* 47(2): 183-189.
3. Iwasawa, A., Uzawa, M., **Rahman, M. A.**, Ohya, Y. & Yoshizaki, N. 2009. The crystal form of calcium carbonate is determined by the matrix structure in quail eggs. *Poult. Sci.* 88(12): 2670-2676.
4. **Rahman, M. A.**, Moriyama, A., Iwasawa, A. & Yoshizaki, N. 2009. Cuticle formation in quail eggs. *Zool. Sci.* 26(7): 496-499.
5. **Rahman, M. A.**, Moriyama, A., Iwasawa, A. & Yoshizaki, N. 2009. VMO-II mediates the binding of the chalaziferous layer with the vitelline membrane in quail eggs. *J. Poult. Sci.* 46(3): 240-248.
6. **Rahman, M. A.**, Baoyindeliger, Iwasawa, A. & Yoshizaki, N. 2007. Mechanism of chalaza formation in quail eggs. *Cell Tissue Res.* 330(3): 535-543.

No.11

Name of United Graduate School of Agricultural Sciences	Assigned university	Name
Gifu University	Shizuoka University	MD. MASIKUR RAHMAN
Specialized field	Postharvest Biology, Plant Physiology, Horticulture Science ,etc.	
Research Theme	Optimization of dry ice post-harvest treatment for improving the shelf life of Japanese strawberry fruits	
Obtained (planned) degree	Doctor of Philosophy Ph.D (Agriculture)	
Acquired degree (planned) date	Obtained in March 2024 (scheduled)	
Message		
<p>I joined the Laboratory of horticultural Innovation as a Research Assistant under Shizuoka University in November 2020 after the completion of my master's in Agriculture Science at Shimane University. Now I am a doctoral student at Gifu University since last April 2021. Prior to my study at Shimane University, I had extensive experiences in the research and production of fruits, vegetables in Bangladesh, Indonesia, and Japan. In Shimane University, Japan I did research on the title of Effects of Pre and Postharvest treatments of Salicylic Acid and Probenazole (Oryzmate®) on ‘Saijo’ and ‘Fuyu Persimmon. My current research project is to develop a low-cost technique that will assist developing and developed countries' farmers in prolonging the strawberry fruit. Earlier, I also have 7 years of agricultural research and professional experience at home and abroad. I did work in BRAC (Bangladesh Rural Advancement Committee) as an Agriculture Extension Officer. Moreover, I was selected a Dora plus Scholarship funded by the European Regional Development Fund the Republic of Estonia in Estonian University of Life Sciences in 2018. I was awarded Shimane University International Student Supporters scholarships during my master's period. I was awarded an Indonesian Government Scholarship invited by the Ministry of Education in Syiah Kuala University, Indonesia in 2017. I believe my current research outcome will slightly solve the postharvest storage problem of strawberry farmers and try for bringing honor to Gifu University at the international level.</p>		

No.12

Name of United Graduate School of Agricultural Sciences	Assigned university	Name
Gifu University	Shizuoka University	HOANG XUAN KHOI
Specialized field	Molecular cell biology	
Research Theme	<ul style="list-style-type: none"> • Physiological of Relaxin • Fertilization in birds 	
Obtained (planned) degree	Doctor of Philosophy Ph.D (Agriculture)	
Acquired degree (planned) date	Obtained in March 2024 (scheduled)	
Message		
<p>My name is Hoang Xuan Khoi, coming from Vietnam. After graduating a Bachelor of Veterinary Medicine in Thai Nguyen University of Agriculture and Forestry, I went to Japan in 2018 for Master course in Faculty of Agriculture, Shizuoka University. Now, I'm a Ph.D. student in the United Graduate School of Agriculture Science (UGSAS), Gifu University (Shizuoka campus) from April 2021 and work at Cell Biology laboratory. Studying in Japan, gave me opportunity to live, work and explore its culture. Learning does not just happen in the classroom but meeting people from different cultures and making friends form all over the world also important parts of self-education. From my deepest heart, I would like to say Thank you very much to my supervisor Tomohiro Sasanami who gave me a chance to learn new studies and techniques and encouraged me whenever I failed and got error for creation models in research.</p> <p>Up to now, my research topic is about the physiological studies on the relaxin-like peptides family in Japanese quail (<i>Coturnix japonica</i>). Relaxin is a peptide hormone secreted in highest concentrations during pregnancy in mammalian species and has been found to be involved in some physiological process such as uterine growth and cervical modification. I would like to investigate the expression of relaxin in Japanese quail, then, demonstrate the physiological role of relaxin. The reason, I chose Japanese quail for my research, was that Japanese quail has several advantages as a laboratory animal for biological and biomedical investigation. Hopefully, the finding of this research will contribute our knowledge of reproductive physiology in Japanese quails and may provide the novel of applied aspects for avian reproduction.</p> <p>Laboratory homepage: https://www.agr.shizuoka.ac.jp/abc/sasanami/index_en.html</p>		

No.13

Name of United Graduate School of Agricultural Sciences	Assigned university	Name
Gifu University	Gifu University	Viagian Pastawan
Specialized field	Microbiology animal product studies / microbial enzyme production studies	
Research Theme	<ul style="list-style-type: none"> • Microbiological animal waste treatment in the environment • Enzyme production of soil microbes for animal product management method 	
Obtained (planned) degree	Doctor of Philosophy Ph.D (Agriculture)	
Acquired degree (planned) date	Obtained in September 2020	
Message		
<p>Animal production and technology are developing year by year along the increase of human needs. The entire processing of animal product obtained various waste. I am interested in using microbes as eco-friendly treatment to manage the livestock waste and utilized the enzyme from microbes to maintain livestock management. I have majored in animal science since I was an undergraduate student and during my master degree. During my doctoral course, I was explored my field study in microbial enzyme production and its function in Gifu University. I did experiment about the regulation of bacteria in the function of plant-symbiotic bacteria, in Japan. Now, I am working as lecturer and researcher in Faculty of Animal Science, Universitas Gadjah Mada, Indonesia. In here, I conducted research about the supplementation of isolated nitrification bacteria in order to compost animal waste to be an organic fertilizer. In the future, I will build a research road map of utilization enzymatic microbial that used for animal product and by-product processing, so the whole management of livestock farming will be eco-friendly environment.</p> <p>Qualification: Enzymatic microbial, animal product technology.</p> <p>Laboratory homepage: URL https://acadstaff.ugm.ac.id/vpastawan</p> <p>Main published papers:</p> <p>Viagian Pastawan, Soya Suganuma, Kosuke Mizuno, Lun Wang, Akio Tani, Ryoji Mitsui, Kosuke Mizuno, Masaya Shimada, Takashi Hayakawa, Nanung Agus Fitriyanto, Tomoyuki Nakagawa (2020) Research on Regulation of lanthanide-dependent methanol oxidation pathway in the legume symbiotic nitrogen-fixing bacterium <i>Bradyrhizobium sp.</i> strain Ce-3, Journal of Bioscience and Bioengineering, 130: 582–587. https://doi.org/10.1016/j.jbiosc.2020.07.012</p>		

No.14

Name of United Graduate School of Agricultural Sciences	Assigned university	Name
Gifu University	Gifu University	Utsarika Singha
Specialized field	Food Logistics Science	
Research Theme		
Obtained (planned) degree Acquired degree (planned) date	Doctor of Philosophy Ph.D (Agriculture) Obtained in March 2019	
Message		
<p>I am Utsarika Singha from Bangladesh. I received my Bachelor of Business Administration (BBA) in Marketing and Master of Business Administration (MBA) Degree from Jagannath University (JnU), Bangladesh in 2012 and 2013, respectively. I worked as an internee officer in Shajalal Islami Bank and Jamuna Bank during the final year of BBA and MBA, respectively. To pursue my higher education, I joined as research assistant in the faculty of Applied Biological Sciences, Gifu University (GU) in October, 2015 and then enrolled as a PhD student in the United Graduate School of Agricultural Sciences (UGSAS), GU in April, 2016 under the supervision of Professor Dr. Shigenori Maezawa of Food Logistics Science Laboratory. I was so lucky to contact with such a brilliant researcher and teacher of GU. I learnt how to research from him and open my eyes in the future endeavor of research. During my doctoral course, I studied about the marketing channel of different vegetables of a specific region of Bangladesh with their visible constraints. I received my PhD in Food Logistics Science degree in March, 2019. It was a great opportunity for me to have a chance for being a PhD student in UGSAS, GU. It provided me a high quality education and teaching staff, friendly environment, several training which helped to enrich my knowledge, and also encourage me to present my scientific findings in different international seminars. I joined at least two international seminars during that time, which was a tremendous experience for me. The education and research facility and training of UGSAS, GU enriched my knowledge to achieve my future dream in related to research.</p> <p>From April, 2019, I worked as a special researcher in the Laboratory of Food Logistics Science of GU under the supervision of Professor Dr. Shigenori Maezawa. Then I joined as an employer in Daiyuu Company Ltd, Kakamigahara, Gifu, for at least one year. Then I come back to my country for some unavoidable circumstances and waiting for a job response.</p>		

No.15

連合農学研究科	配属大学	氏名
岐阜大学	岐阜大学	長縄 秀俊
専門分野	環境生物・生態学	
研究テーマ	<ul style="list-style-type: none"> ・水田生物の DNA 等に基づいた日本の水稲栽培の起源と年代推定 ・地下ダムの概念と技術を踏まえたアラル海流域圏の環境再生計画 	
取得学位 取得年月	博士（農学）	2021年3月 取得
メッセージ		
<p>私は、学部学生の時からシベリアのバイカル湖流域圏の生態学を専攻し、修士論文では環境が生物の形態形成に及ぼす影響等について明らかにしました。博士課程では日本の水稲栽培のルーツを再検証する手法の開発に向けて、ヨーロッパや国内の博物館訪問と海外のフィールドや日本各地の水田で生物の調査や系統解析等を実施しました。現在は、水田と人との関わりに関連し理系文系の枠を越えた幅広い分野の研究の実践と、地下ダムの再評価を進めています。</p> <p>資格・特技：ロシア語／旧ソ連～東欧諸言語の科学技術翻訳・公文書作成、学術マネジメント</p> <p>研究室のホームページ：https://www1.gifu-u.ac.jp/~aiwa/introduction.html</p> <p>主な公表論文： Naganawa H, Invasive alien species <i>Triops</i> (Branchiopoda, Notostraca) in Japan and its ecological and economic impact, <i>Reviews in Agricultural Science</i>, 8: 138–157, 2020. Naganawa H, Naumova EYu, Denikina NN, Kondratov IG, Dzyuba EV & Iwasawa A, Does the dispersal of fairy shrimps (Branchiopoda, Anostraca) reflect the shifting geographical distribution of freshwaters since the late Mesozoic? <i>Limnology</i>, 21(1): 25–34, 2020. Naganawa H, First record of <i>Triops strenuus</i> Wolf, 1911 (Branchiopoda, Notostraca), a tadpole shrimp of Australian origin, from Japan, <i>Crustaceana</i>, 91(4): 425–438, 2018</p> <p>URL：https://www.researchgate.net/profile/Hidetoshi-Naganawa</p>		