

# JSPS Postdoctoral Fellowship for Overseas Researcher

## FY 2019 Agriculture/Environmental sciences

Name(Nationality)	Research Subject	Host Institute Host Researcher	Period	Region Prefecture
PRODHAN, M. A.  AUSTRALIA	Dissecting the genetic basis of root vigor: applications for improving rice for a changing world	JIRCAS WISSUWA, Matthias Senior Researcher Crop, Livestock and Environmental Division	May 12, 2019~ May 11, 2021	Kanto Ibaraki
AKHTER, M. S.  BANGLADESH	The mechanism of recognition and inactivation of viral virulent proteins by calmodulin-like proteins	Hokkaido University NAKAHARA, Kenji Lecturer Research Faculty of Agriculture	Nov 1, 2019~ Oct 31, 2021	Hokkaido Hokkaido
DASTOGEER, K.  BANGLADESH	Engineering of synthetic and functional rice microbiome that confers resistance to pathogen	Tokyo University of Agriculture and Technology OKAZAKI, Shin Associate professor Graduate School of Agriculture	Apr 24, 2019~ Apr 23, 2021	Kanto Tokyo
ISLAM, M.  BANGLADESH	Pattern of movement and connectivity of sparid fish, <i>Acanthopagrus</i> spp. across Ryukyu islands, Japan	University of the Ryukyus IMAI, Hideyuki Associate Professor Faculty of Science	Sep 27, 2019~ Sep 26, 2021	Okinawa Okinawa
ISLAM, M. Z.  BANGLADESH	Biosynthesis of citrus-derived polymethoxyflavones with an activity of the anti-memory disorder	Saga University KOTODA, Nobuhiro Associate Professor Faculty of Agriculture	Oct 1, 2019~ Sep 30, 2021	Kyushu Saga
KHALIDUZZAMAN,  BANGLADESH	Noninvasive detection of chicken egg gender and viable embryos using eggshell terahertz properties	Kyoto University KONDO, Naoshi Professor Graduate School of Agriculture	Oct 1, 2019~ Sep 30, 2021	Kinki Kyoto
KHAN, B.  BANGLADESH	Study of cesium- and strontium-tolerant plants and explore the role of gene for the tolerance	Fukushima University RAHMAN, Ismail Associate Professor Institute of Environmental Radioactivity	Jun 14, 2019~ Jun 13, 2021	Tohoku Fukushima
MASUM, M.  BANGLADESH	Role of novel lymphoid tissues found in mouse urinary tract	Hokkaido University KON, Yasuhiro Professor Faculty of Veterinary Medicine	Sep 1, 2019~ Aug 31, 2021	Hokkaido Hokkaido

SARKAR, M. K.  BANGLADESH	Linking Governance and Sustainable Development: Evidence from Developed and Developing Countries	Keio University KANIE, Norichika Professor Graduate School of Media and Governance	Oct 16, 2019~ Oct 15, 2021	Kanto Kanagawa
LEMUS, R.  CHILE	Improving pulses+algae protein-based emulsions functionality by swirl-flow membrane emulsification	Kyushu University IGURA, Noriyuki Associate Professor Faculty of Agriculture	Nov 30, 2019~ Nov 29, 2021	Kyushu Fukuoka
CHING, P. J.  CHINA	New assessment of environmental impacts of black carbon and dust by a mixing-state diversity metric	Meteorological Research Institute KAJINO, Mizuo Senior Researcher Department of Atmosphere, Ocean, and Earth System Modeling	Nov 30, 2019~ Nov 29, 2021	Kanto Ibaraki
LI, K.  CHINA	Establishment of zoonoses regulation system targeting protozoan lactate dehydrogenase	Tohoku University KATO, Kentaro Professor Graduate School of Agricultural Science	Sep 1, 2019~ Aug 31, 2021	Tohoku Miyagi
MA, H.  CHINA	Resource recycling system combining anaerobic digestion and ANAMMOX using HAP-forming granules	National Institute for Environmental Studies KOBAYASHI, Takuro Senior researcher Center for material cycles and waste management research	Apr 1, 2019~ Mar 31, 2021	Kanto Ibaraki
SUN, Z.  CHINA	Stretch-Tolerant, High Tensile Strength Aerogels Embedded with Oriented Cellulose Nanofibers	The University of Tokyo SAITO, Tsuguyuki Associate Professor Graduate School of Agricultural and Life Sciences	Apr 1, 2019~ Mar 31, 2021	Kanto Tokyo
TIAN, J.  CHINA	Formation and digestion mechanism of polyphenols-starch complexes prepared by extrusion technology	Chiba University OGAWA, Yukiharu Associate Professor Graduate School of Horticulture	Sep 1, 2019~ Aug 31, 2021	Kanto Chiba
WANG, F.  CHINA	GxE Genome-wide association studies for Nitrogen use efficiency in rice	Nagoya University MATSUOKA, Makoto Professor Bioscience and Biotechnology Center	Apr 1, 2019~ Mar 31, 2021	Chubu Aichi
XU, H.  CHINA	Phase specific omics on wood wafers and genome editing elucidate mechanism for white rot	Kyoto University HONDA, Yoichi Professor Graduate School of Agriculture	Apr 1, 2019~ Mar 31, 2021	Kinki Kyoto

ZHANG, C.  CHINA	Effects of processing on functionality and digestive properties of root tubers from Japanese mountain yam.	Chiba University OGAWA, Yukiharu Associate Professor Graduate School of Horticulture	Nov 1, 2019~ Oct 31, 2021	Kanto Chiba
ZHANG, M.  CHINA	Thermal treatment of polybrominated diphenyl ethers (PBDEs) and the formation of dioxins	Kyoto University TAKAOKA, Masaki Professor Graduate School of Engineering	Sep 1, 2019~ Aug 31, 2021	Kinki Kyoto
AHMED, H. S.  EGYPT	Micro RNAs as biomarkers for enhancement of female reproduction	Tokyo University of Agriculture and Technology WATANABE, Gen Professor Institute of Agriculture	Apr 7, 2019~ Apr 6, 2021	Kanto Tokyo
ELAKHDAR, A. A.  EGYPT	Isolation and functional analysis of factors involved in prolamines accumulation in rice endosperm	Kyushu University KUMAMARU, Toshihiro Professor Faculty of Agriculture	Sep 1, 2019~ Aug 31, 2021	Kyushu Fukuoka
FEREIG, R. M.  EGYPT	Development of rapid immunochromatographic assay as a diagnostic tool for bovine cryptosporidiosis	Obihiro University of Agriculture and Veterinary Medicine NISHIKAWA, Yoshifumi Professor National Research Center for Protozoan Diseases	Apr 1, 2019~ Mar 31, 2021	Hokkaido Hokkaido
MOUSTAFA, M. A.  EGYPT	Analysis of pathobiomes of ticks and animals in relation to infection risk in wildlife communities	Hokkaido University NAKAO, Ryo Associate Professor Faculty of Veterinary Medicine	Apr 1, 2019~ Mar 31, 2021	Hokkaido Hokkaido
CERVERA BENET, H.  SPAIN	Exploration of antiviral RNA silencing/counter-defense utilizing a model phytopathogenic fungal host	Okayama University SUZUKI, Nobuhiro Professor Institute of Plant Science and Resources	Nov 1, 2019~ Oct 31, 2021	Chugoku Okayama
ACHEMO, M. S.  ETHIOPIA	Resilience and ecosystem services assessment in socio-ecological landscape in Ethiopia	Institute for Global Environmental Strategies SAITO, Osamu Principal Policy Researcher Natural Resources and Ecosystem Services Area	Oct 1, 2019~ Sep 30, 2021	Kanto Kanagawa
DUCONSEILLE, A.  FRANCE	Sensing protein oxidation by spectroscopy -Find a marker from nutrition and digestion point of view-	National Agriculture and Food Research Organization MOTOYAMA, Michiyo Senior researcher Institute of Livestock and Grassland Science	Sep 6, 2019~ Sep 5, 2021	Kanto Ibaraki

BHAGAT, J.       INDIA	How microplastics and nanoparticles interact: DNA damage and oxidative stress in zebrafish	Mie University NISHIMURA, Norihiro Professor Graduate School of Regional Innovation Study	Sep 1, 2019~ Aug 31, 2021	Kinki Mie
GUPTA, H.       INDIA	Biodiversity, climate and community linkages in socio-ecological production landscapes	The University of Tokyo GASPARATOS, Alexandros Associate Professor Institute for Future Initiatives(IFII)	Sep 1, 2019~ Aug 31, 2021	Kanto Tokyo
ISLAMUDDIN, M.       INDIA	Studies on innate immune responses to vector-borne virus	Tohoku University KATO, Kentaro Professor Graduate School of Agricultural Science	Jul 1, 2019~ Jun 30, 2021	Tohoku Miyagi
VELLAICHAMY, B.       INDIA	Clay supported metal-free photocatalysts for detoxification of pesticide and pharmaceutical hazards	Kyushu University SASAKI, Keiko Professor Faculty of Engineering	Sep 1, 2019~ Aug 31, 2021	Kyushu Fukuoka
VIBHUTE, A. M.       INDIA	Photocatalytic stereoselective glycosylation of 2-deoxysugar and synthesis of Mithramycin	Gifu University ANDO, Hiromune Professor Organization for Research and Community Development	Sep 20, 2019~ Sep 19, 2021	Chubu Gifu
KOWSAR, R.       IRAN	Immune cross-talk of early embryo with mother by IFNT system and Toll-like receptors in the cow	Obihiro University of Agriculture and Veterinary Medicine MIYAMOTO, Akio Professor Research Center for Global Agromedicine	Sep 1, 2019~ Aug 31, 2021	Hokkaido Hokkaido
GRAMAZIO, P.       ITALY	Molecular and physiological elucidation of GABA metabolism in melon	University of Tsukuba EZURA, Hiroshi Professor Faculty of Life and Environmental Sciences	Apr 1, 2019~ Mar 31, 2021	Kanto Ibaraki
NJANE, S. N.       KENYA	Effects of precision fish farming based on volume estimation on meat quality of freshwater fish	Gifu University NISHIZU, Takahisa Professor Faculty of Applied Biological Sciences	Oct 1, 2019~ Sep 30, 2021	Chubu Gifu
SCHUMACHER, K. D.       LUXEMBOURG	Sustainable Finance in Europe and Japan: How the Low-Carbon Energy Transition can be implemented at the Project Level	Tokyo Institute of Technology NISHIKIZAWA, Shigeo Associate Professor School of Environment and Society	Sep 1, 2019~ Aug 31, 2021	Kanto Kanagawa

ANDRIAMANOHARI SOAMANANA, F. J.  MADAGASCAR	Metal particle-assisted anaerobic digestion: degradation of antibiotic residue in animal manure	Kobe University IHARA, Ikko Associate professor Graduate school of agricultural sciences	Apr 1, 2019~ Mar 31, 2021	Kinki Hyogo
PAYUS, C. M.  MALAYSIA	DEVELOPING INDICATORS FOR SUSTAINABLE WATER MANAGEMENT IN SELECTED ASIA REGIONS	The University of Tokyo GASPARATOS, Alexandros Associate Professor Institute for Future Initiatives(IFI)	Oct 1, 2019~ Sep 30, 2021	Kanto Tokyo
PHAN, C.  MALAYSIA	Integrating molecular network and co-culture to target anti-algal peptides of Malaysian cyanobacteria	Hokkaido University OKINO, Tatsufumi Professor Faculty of Environmental Earth Science	Jul 1, 2019~ Jun 30, 2021	Hokkaido Hokkaido
ATA-UL-KARIM, S.  PAKISTAN	GREEN CROP MANAGEMENT: STRATEGIZING NITROGEN-WATER INTERACTIONS FOR CLIMATE-SMART RICE PRODUCTION	The University of Tokyo KATO, Yoichiro Associate Professor Graduate School of Agricultural and Life Sciences	Nov 25, 2019~ Nov 24, 2021	Kanto Tokyo
MIRAN, W.  PAKISTAN	Control of biofilm activity by membrane vesicle with electrochemical activity	National Institute for Materials Science OKAMOTO, Akihiro Principle Researcher International Center for Materials Nanoarchitectonics(MANA)	Sep 1, 2019~ Aug 31, 2021	Kanto Tochigi
MOSSAAD, E. E.  SUDAN	Epidemiological study on tick-borne diseases in Sudan and establishment of their control measures	Obihiro University of Agriculture and Veterinary Medicine XUAN, Xuenan Professor National Research Center for Protozoan Diseases	Nov 1, 2019~ Oct 31, 2021	Hokkaido Hokkaido
KISS, B.  SWEDEN	Exploring the governance dynamics of nature-based solutions for enhancing urban resilience	Utsunomiya University TAKAHASHI, Wakana Associate Professor School of International Studies	Nov 1, 2019~ Oct 31, 2021	Kanto Tochigi
CHUNG, M.  TAIWAN	Development of new high-temporal-resolution isotopic proxy for fish migration and metabolism	The University of Tokyo SHIRAI, Kotaro Associate Professor Atmosphere and Ocean Research Institute	Sep 1, 2019~ Aug 31, 2021	Kanto Chiba