

## List of Teaching Staff and Their Academic Fields for Supervision

Joint Master's Degree Program in Sustainability and Environmental Sciences,

Graduate School of Science and Technology, University of Tsukuba

Position/Name	Research Keywords for Supervision
Professor ASANUMA Jun	Surface hydrology, Boundary layer meteorology, Land-atmosphere interaction
Professor SUZUKI Iwane	Photosynthetic mechanism of microalgae, Microalgal biomass and carbon-nitrogen metabolism
Professor TSUJIMURA Maki	Hydrology, Water Environment, Water Resources, Groundwater, Groundwater Contamination
Professor UTSUMI Motoo	Aquatic biogeochemistry and engineering, Aquatic eco-engineering, biological water treatment, microbial ecology, biogeochemistry, C, N and P cycling
Professor YAMAJI Keiko	Chemical Interaction between Plants and Microorganisms in the Rhizosphere
Professor ZHANG Zhen Ya	Bioresource process engineering, Biomass conversion; Bioenergy production; Organic waste recycling; Functional food material development
Associate Professor HIROTA Mitsuru	Carbon cycle and greenhouse gases dynamics in terrestrial ecosystem, Response to environmental change in alpine ecosystem, terrestrial ecosystem ecology, plant ecology, carbon dynamics, biodiversity, ecosystem function
Associate Professor KAIDA Naoko	Environmental economics and policy studies, socio-economic valuation of natural and environmental resources, pro-environmental behavior analysis, sustainable consumption and lifestyle, environmental cooperation and ODA
Associate Professor LEI Zhongfang	Fundamental, mechanism and design of new-developed waste(water) treatment and recycling technologies, Wastewater treatment, Biogranulation, N and P recovery and removal, Heavy metals immobilization, Biosolids
Associate Professor MATSUI Kenichi	Environmental history/law/ethics, Human/historical geography, Water and biodiversity policies, Indigenous/traditional knowledge, Agricultural/water policies, Water ethics, Sustainable tourism
Associate Professor MIZUNOYA Takeshi	Environmental evaluation by simulation analysis, Environmental economic policy, Comprehensive environmental evaluation, Expanded Input-Output modeling, Environmental Technology evaluation, Integrated watershed management
Associate Professor SHIMIZU Kazuya	Water treatment microbiology, Drinking water treatment, Microbial symbioses for engineering, Environmental engineering
Associate Professor UCHIDA Taro	Debris flow, SABO, Hillslope hydrology, Sediment disasters
Associate Professor YABAR Helmut	Environmental engineering and management
*Assistant Professor OMORI Yuko	Ocean biogeochemistry, Carbon dynamics, Dissolved organic matter
Assistant Professor KAMAE Youichi	Energy balance among atmosphere-ocean-land system

- For their detailed research and contacts, please refer to our website ( <https://www.envr.tsukuba.ac.jp/jmses/research> ) .
- Contact the faculty member of your desired research area in advance of the application and fill out your research plan.
- \* Not available as supervisors. Available as sub-supervisors with cooperation of a faculty who has related research field.