

筑波大学大学院 <国際連携持続環境科学専攻> 教員研究分野一覧

【博士前期課程】

担当教員名	研究内容
浅沼 順 教授	大気―陸面相互作用、大気現象と水循環の関わり、都市の水循環
内海 真生 教授	海底および陸域の微生物群集機能解析と物質循環
内田 太郎 教授	土石流、砂防、斜面水文、土砂災害
鈴木 石根 教授	植物分子・生理科学、分子生物学、遺伝・染色体動態、生態・環境
辻村 真貴 教授	水循環、水環境、乾燥・温帯湿潤地域の地下水・地表水循環
廣田 充 教授	陸域生態系における炭素循環および地球温暖化ガス動態、高山生態系における地球環境変化の影響評価
山路 恵子 教授	植物と根圏微生物の化学的相互作用
甲斐田 直子 准教授	環境政策、環境経済
ヘルムート ヤバル 准教授	廃棄物管理政策、廃棄物管理計画
前田 義昌 准教授	分子生物学、ゲノム科学、生物工学、 微細藻類を用いた有用物質生産と環境浄化
松井 健一 准教授	環境倫理
水野谷 剛 准教授	環境技術・政策の総合評価、数値シミュレーション、環境経済政策
雷 中方 准教授	エコシステム工学手法を用いた廃水浄化技術の開発
大森 裕子 助教	海洋微生物を通じた炭素循環、海洋環境における有機物の動態
釜江 陽一 助教	大気・海洋・陸面間の水・エネルギーバランス

各教員の詳細な研究内容・問い合わせ及び専攻のカリキュラムはホームページ
(<https://www.envr.tsukuba.ac.jp/jmses/>) をご覧ください。

※受験生は、自分が将来指導を受けたい研究分野の教員と事前に連絡をとり、研究計画書に記入して下さい。

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 UCHIDA Taro	Debris flow, SABO, Hillslope hydrology, Sediment disasters
Professor UTSUMI Motoo	Aquatic biogeochemistry and engineering, Aquatic eco-engineering, biological water treatment, microbial ecology, biogeochemistry, C, N and P cycling
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 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
Professor YAMAJI Keiko	Chemical Interaction between Plants and Microorganisms in the Rhizosphere
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 YABAR Helmut	Environmental engineering and management
Associate Professor MAEDA Yoshiaki	Molecular biology, Genome science, Biotechnology, Production of useful compounds and environmental cleanup with microalgae
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 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
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/>.
- Contact the faculty member of your desired research area in advance of the application and fill out your research plan.