

## Summer Session 2025 - Global Sustainability Outlook and Practice in Japan



### Professor Guangwei Huang Ph.D.

**Main research fields:** Lake and river water quality monitoring and modeling; sustainable use of wetland; urban flood risk management and long-term environmental policy impact assessment

**Research:** He deals with environmental problems in various approaches from field survey, numerical modeling and laboratory experiment. His research strategy is a good combination of "seeds" and "needs".

**Courses Taught:** Environmental Assessment, Environmental Planning, Global Environmental Outlook.



### Professor John Joseph Puthenkalam Ph.D. (Economics)

**Main Research Field:** Development and Environment <Economic Development and Environmental Protection in Developing Countries>

**Research:** To study the coexistence of sustainable environment and economic development from the perspective of developing countries, premised on human dignity, human rights, rights of the poor, and true globalization.

**Courses Taught:** Economic Development and Environment, International Environment Document Study, Environment and Development of Developing Countries



### Professor Yoshinari Tanaka Ph.D. (Agriculture)

**Main Research Field:** Environmental Ecology, Ecological Risk Assessment

**Research:** Development of a comprehensive ecological risk assessment system of chemicals based on the tri-trophic ecosystem model

**Courses Taught:** Environmental Ecology, Ecological Risk Assessment of Pollutants



### Professor Sumiko Anno Ph.D. (Medicine)

**Main research areas:** Environmental Health, Public Health, Spatial Information Science

**Research:** GIS will be applied to the assessment of human health impacts as they are affected by the natural alterations associated with urban development on a regional scale. Moreover, we will actively engage in the applications of remote sensing and deep learning, which are expected to contribute to solving global environmental issues

**Courses Taught:** Environmental Science of Human Health, Public Health and Environment, Seminar

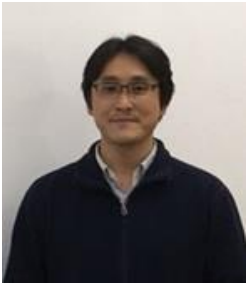


### **Professor Masachika Suzuki**

**Main Research Fields:** Corporate Environmental Strategy and Clean Energy Strategy

**Research:** Corporate environmental and energy strategy, Technology transfer and innovation in clean energy, Effectiveness of economic policy instruments, Environmental and social indicators for sustainable development, Strategic alliance for establishing a sustainable community in Asia

**Courses taught:** Business Strategies for Sustainability, International Environmental Treaties, Energy and Environmental Technology



### **Professor Takahiro Tsuge**

**Main Research Field:** Environmental Economics

**Research:** Environmental Economics: Development of methods for assessing the economic value of the environment and empirical research using those methods.

**Courses taught:** Environmental Economics, Economic Valuation of the Natural Environment



### **Professor Xuepeng Qian Ph.D. (Engineering)**

**Main research fields:** urban and regional planning, environmental and social system analysis, industrial ecology, sustainability science

**Research:** Dr. Qian specializes in urban environmental planning. He has been working on urban and environmental issues such as urban development, transportation, resource sustainability, water, energy, and low carbon, through interdisciplinary and systems approaches. His research interests are focused on exploring the visions of urban and regional sustainability and how to plan and promote transformations for sustainable development.

**Courses Taught:** Industrial Ecology, Urban Sustainability, Seminar A/B/C/D



### **Professor Yoshinori Nakagawa Ph.D.**

**Main research areas:** Participatory visioning; Future Design; Qualitative research

**Research:** methodology to support governments, the general public, university researchers, private companies, and others who design the world from a long-term perspective, while further enhancing their creativity and empathy for future generations.

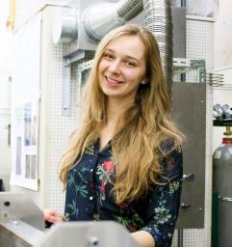
**Courses taught:** STATISTICS FOR ENVIRONMENTAL STUDIES, STATISTICS FOR ENVIRONMENTAL STUDIES, RESEARCH METHODS FOR SOCIO-ECOLOGICAL STUDIES, Design FOR SUSTAINABLE SOCIETIES, Seminar A/B/C/D

**Dr. Nkweauseh Reginald Longfor**, Assistant Professor

**Main research areas:** Environmental system analysis

**Research:** Sustainability transitions, environmental planning

**Courses Taught:** Environmental Issues in Global South, Renewable Energy Policy and Administration

**Dr. Dzieminska Edyta**, Associate Professor, Faculty of Science and Technology

**Main research areas:** Environmental system analysis

**Research:** Sustainability transitions, environmental planning

**Courses Taught:** Environmental Issues in Global South, Renewable Energy Policy and Administration

**Prof. Koki Toyoda**

Graduate School of Bio-Applications and Systems Engineering, Tokyo University of Agriculture and Technology

**Main research fields:** Life Science, Plant nutrition and Soil Science

**Research:** Priming effects induced by C and N additions in relation to microbial biomass turnover in Japanese forest soils. Development and application of a DNA metabarcoding method for comprehensive analysis of soil nematode communities.

**Course taught:** Soil Science