MEXT Special Program for September 2024 Enrollment

Graduate School of Life Sciences, Ritsumeikan University

Outline of the Program

Young Researcher Development Program for the Achievement of Greater Well-being through Biomanufacturing

People's interest in **"well-being" including physical health, mental health, and Social health** has been increased due to the COVID-19 situation. Especially, there is a growing demand in ASEAN for research of biomanufacturing such as improvement of quantity and quality of agricultural crops, water purification etc..

The program aims to promote well-being based on the field of preventive medicine through research of biomanufacturing, which is one of the areas of focused investment in Japan.

The program also aims to contribute to well-being in ASEAN and Japan through the field of bioinformatics: high demand in recent years as well as the field of chemistry: foundation of all biomanufacturing research.

Those who completed the program are expected to play a key role at the related companies / industries / universities in Japan or their mother countries with high degree of professionalism.

What is "Comprehensive Well-being"?

- Healthy Life-span
- Herbal Drug
- Protection of Infection / lifestyle diseases

FOOD / Nutrition

- Nutritional Value
- Fermented Food / Plant foodstuff
- Stable Supply of Food

COMPREHENSIVE WELL-BEING IN ASEAN

AGRICULTURE

- Safe Agricultural Products
- Improvement of Farmland using ICT
- Meterial Circulation
- Organic Agriculture

EM<u>VIRONME</u>NT

- Coexistence of Humanbeings and Rich Natural
 Environment
- Water Purification
- Bioenergy

Our Research Fields for Achievement of Well-Being



New Educational Programs



Collaborative Learning with Japanese Students and Students from Overseas

