

2022 Biodiversity, Agriculture & Culture of Taiwan  
Online Summer Program



**2022 Biodiversity, Agriculture and Culture of Taiwan (BACT)**

PROGRAM DATE  
**2022.8.15<sup>MON</sup> - 8.19<sup>FRI</sup>**

**HIGHLIGHTS**

- English taught courses
- 1 credit
- Learn about Taiwan's rural society, friendly agriculture, agricultural innovation strategy, big data applications on agriculture, biodiversity of coral reefs, fungi, soil microbes, and the science behind kitchen

**Organizer:** College of Bioresources and Agriculture, National Taiwan University

**Program Date:** August 15~19, 2022 (UTC+8)

**Credit offered:** 1 (18 contact hours)

**Video conferencing platform:** Cisco Webex

**Student eligibility:** Junior, senior undergraduates of bachelor program and graduates of master programs

**See the contact below and apply before July 15, 2022**

Contact the staff of your college if you are from the universities below.

- Graduate School of Agriculture, Kyoto University
- Graduate School of Agriculture and Life Sciences, University of Tokyo
- College of Agriculture and Life Sciences, Seoul National University
- College of ACES, University of Illinois, Champagne-Urbana
- College of Agriculture, Purdue University
- College of Agriculture and Life Sciences, Cornell University

Contact the SEARCA Secretariate if you are from

- Universitas Gadjah Mada, Indonesia
- Institut Pertanian Bogor, Indonesia
- Universiti Putra Malaysia, Malaysia
- Kasetsart University, Thailand
- University of the Philippines Los Baños, Philippines
- Universitas Brawijaya, Indonesia
- Maejo University, Chiang Mai, Thailand
- Visayas State University, Leyte, Philippines
- Central Luzon State University, Science City of Muñoz, Nueva Ecija, Philippines
- Tokyo University of Agriculture, Japan

\* We only accept students recommended by our partner colleges and institutions as listed above.

For more questions, please contact Mr. Jack Hsu ([ntuciaee@ntu.edu.tw](mailto:ntuciaee@ntu.edu.tw)).

**2022 Biodiversity, Agriculture & Culture of Taiwan  
Online Summer Program**

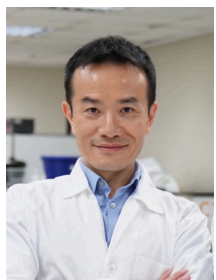
Date	Time	Contents
Aug. 15 (Mon)	0820- 0830	■ Opening and welcome remarks
	0830- 0900	■ Briefing on NTU and CBA
	0900- 0910	■ Course introduction
	0910- 1010	■ Online tour of Taipei (Q&A)
	1020 - 1150	■ New Rural Society in Taiwan by Dr. Ho-Chia CHUEH
	1330- 1530	■ Coral Reefs in Taiwan: Diversity Patterns and Challenges by Dr. Stéphane DE PALMAS
Aug. 16 (Tue)	0830- 1030	■ Agricultural Research and Innovation Strategy by Dr. Yann-Rong LIN
	1040- 1240	■ Big Data Applications on Agriculture in Taiwan by Dr. Li-Yu LIU
Aug. 17 (Wed)	0830- 1030	■ Ecology and River of Taiwan by Dr. Rita Sau-Wai YAM
	1040- 1210	■ Ecological Engineering by Dr. Chiang WEI
Aug. 18 (Thu)	0830- 1030	■ Diversity and Bioprospecting of Fungal Communities in Taiwan by Dr. Hiran Anjana ARIYAWANSA
	1040- 1240	■ Soil Biodiversity by Dr. Nai-Chun LIN
Aug. 19 (Fri)	0830- 1030	■ Science behind Taiwanese Kitchen by Dr. Kuang-Chen CHENG
	1040- 1240	■ Eco-friendly Agriculture in Taiwan and Satoyama Initiative by Dr. Chi-Chang LIU
	1400 - 1430	■ Closing ceremony

## Research Background of NTU Faculty Members



**Dr. Huu-Sheng LUR 盧虎生**

Dean & Professor  
College of Bioresources and Agriculture  
Department of Agronomy  
E-mail: lurhs@ntu.edu.tw



**Dr. Je-Ruei LIU 劉嘉睿**

Associate Dean & Director  
College of Bioresources and Agriculture  
Center for International Agricultural Education & Academic Exchanges  
Email: jrliu@gmail.com  
Research area and Key words: microbial biotechnology; genetic engineering; fermentation technology



**Dr. Ho-Chia CHUEH 闕河嘉**

Associate Professor  
Department of Bio-Industry Communication and Development  
Email: hchueh@ntu.edu.tw  
Research area and Key words: rural studies; cultural studies; indigenous community development; educational philosophy and theory



**Dr. Stéphane DE PALMAS**

Postdoctoral Fellow  
Institute of Oceanography  
College of Science  
Email: depalmasstephane@gmail.com  
Research area and Key words: coral reef ecology; coral ecosystems; molecular ecology



**Dr. Yann-Rong LIN 林彥蓉**

Professor  
Department of Agronomy  
Email: ylin@ntu.edu.tw  
Research area and Key words: molecular breeding of crop; genetics



**Dr. Li-Yu LIU 劉立瑜**

Professor  
Department of Agronomy  
Email: lyliu@ntu.edu.tw  
Research area and Key words: biometry; bioinformatics



---

**Dr. Rita Sau-Wai YAM 任秀慧**

---

Associate Professor  
Department of Bioenvironmental Systems Engineering  
E-mail: ritayam@ntu.edu.tw  
Research area and Key words: wetland and river ecology; ecotoxicology;  
biodiversity-ecosystem functioning; macroinvertebrate taxonomy



---

**Dr. Chiang WEI 衛強**

---

Research Fellow/Deputy Director  
Experimental Forest, National Taiwan University  
E-mail: weichiang@ntu.edu.tw  
Research area and Key words: geostatistics; hydrology; remote sensing and  
environmental monitoring



---

**Dr. Hiran Anjana ARIYAWANSA 歐海仁**

---

Assistant Professor  
Department of Plant Pathology and Microbiology  
Email: ariyawansa44@ntu.edu.tw  
Research area and Key words: fungal diversity; fungal phylogenetics and systematics;  
fungal evolution; plant pathology



---

**Dr. Nai-Chun LIN 林乃君**

---

Associate Professor  
Department of Agricultural Chemistry  
Email: nlin@ntu.edu.tw  
Research area and Key words: plant-microbe interactions; microbial physiology;  
molecular biology



---

**Dr. Kuang-Chen CHENG 鄭光成**

---

Associate Professor  
Institute of Food Science and Technology  
E-mail: kccheng@ntu.edu.tw  
Research area and Key words: food biotechnology; fermentation; biomedical  
materials; cosmeceuticals; gut microflora



---

**Dr. Chi-Chang LIU 劉奇璋**

---

Assistant Professor  
School of Forestry and Resource Conservation  
E-mail: chichangliu@ntu.edu.tw  
Research area and Key words: environmental education; science education;  
conservation education; free-choice learning; citizen science