

## **Yang-Ching Roger Luo**

### **Current position**

Lecturer  
General Education Center  
Ching Yun University, Taiwan  
PhD candidate  
Department of Life Science  
National Central University, Taiwan

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### **Research Interests**

Measurement and reduction of greenhouse gas measures  
Environmental Science and Microbial Ecology  
The manufacture of biomass energy

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### **Contact**

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### **Education**

**1998.06,** National Taiwan University Graduate Institute of Agricultural Chemistry

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### **Experience**

**2002.09 ~ 2005.06,** Lecturer of Food Science Department, Yuan Pei University

**2005.09 ~ 2007.06,** Lecturer of Landscape Architecture Department, Chung Yuan Christian University

### **International Affairs**

- Director of TSSBE (iiSBE-Taiwan), 2008-2010

### **Recent Projects**

- Special worm farming
- Special Composting System

### **Consulting Record**

- Chang Gung Memorial Hospital debate instructor

### **Certifications**

- 1997.10 Environmental Education Center, National Taiwan University, "radiation action" certification t
- 2001.12 National Youth Commission multimedia design certification
- 2002.03 ITRI "Air Pollution Prevention Class Engineer" certification
- 2005.10 Public Construction Commission Executive Yuan, MS operating license

### **Awards Received**

- 1997, Prominent graduate student ( Mr. Ho Shih-Hsien Foundation )
- 1998, Prominent instructor ( Chang Gung Memorial Hospital )
- 1998, Prominent writing ( Archilife Research Foundation )
- 1999, Nomination of prominent paper ( Army Headquarters )
- 2000, Prominent voluntary military service officer/soldier ( Army Headquarters )

### **Membership**

- Taiwan Society for Mass Spectrometry(TSMS)
- Biomass Energy Society of China (BESC)
- Republic of China Society for Microbiology (RCSM)
- Chinese Agricultural Chemical Society (CACS)
- Taiwan Society of Sustainable Built Environment (TSSBE)

**A. (Peer Reviewed Journals)**

- J1 Chang, T. C., **Luo, Y. C.** and Yang, S. S. (2000) Determination of Greenhouse Gases by Open-Path Gas-Type FTIR Spectroscopy. Food Science and Agricultural Chemistry, 2, 7-14. (NSC 86-2621-P002-004, NSC 87-2621-P002- 003 and NSC 87-2621-P002-021)
- J2 **Luo, Y. C.,** (2000) Infrared remote sensing in air pollution detection on the application and development. Taiwan's Environmental Health, Vol 28, 1, 21-26.

**B. (International Conference with peer reviewed)**

- C1 **Y C Luo, C H Su, W R Li,** 2007.11., **To set up bio-efficiency recycle composting system in ARF Symbiosphere 1 Center,** International Conference on Sustainable Building 2007 Taipei, Taipei, Taiwan
- C2 **Y C Luo, C H Su, W R Li,** 2007.11., **Pre-Selection of Microorganisms in Symbiosphere 1 Center,** International Conference on Sustainable Building 2007 Taipei, Taipei, Taiwan