**Session Proposal**

# Session Title

Better management of organic agro-waste in response to various global environmental issues

# Session Organizers

Morihiro Maeda, Okayama University, **IUSS-Commission 3.1 vice-chair,**

mun@cc.okayama-u.ac.jp, *the primary contact person*

Masato Nakamura, National Agriculture and Food Research Organization, naka0310@affrc.go.jp

# Session Description

The symposium will provide scope for critical discussion about managing agricultural waste such as livestock manure, plant residues, and plastics to mitigate global environmental issues, including climate change, alternative fertilizer, antibiotic resistance bacteria, and microplastics. Scientific knowledge, analytical techniques, and practical solutions in response to these environmental issues will be shared extensively between experts and those interested in this field. Applications of soil science towards solutions to environmental problems will be outlined and discussed during the symposium. The symposium will also provide a networking opportunity for domestic/early-career soil scientists and established international soil scientists.

# Format

Oral presentations and panel discussion

# Proposed Speakers

**Morihiro Maeda**, **IUSS-Commission 3.1** vice-chair, Okayama University, **Japan**

Professional in GHGs emissions from organic matter amended soil

**Masato Nakamura**, National Agriculture and Food Research Organization, **Japan**

Professional in agricultural waste management and fertilizer use of by-products

**Changyong Wu**, Chinese Research Academy of Environmental Sciences, **China**

Professional in the use of biochar to reduce antibiotic resistance genes

**DAL Leelamanie,** University of Ruhuna, **Sri Lanka**

Professional in soil hydrophobic features to enhance climate change resilience

**Tran Thi Minh Chau**, Hue University of Agriculture and Forestry, **Vietnam**   
Young and excellent researcher in the field of Vietnamese anaerobic compost

**Yo-Jin Shiau**, National Taiwan University, **Chinese Taipei**

Professionals in GHGs emissions in mangrove forests

**Hirotaka Ihara**, National Agriculture and Food Research Organization, **Japan**

Professional in Estimation of organic fertilizer's effect

**Yasushi Mori**, Okayama University, **Japan**

Professional in artificial macro-pores to mitigate GHG emissions  
**Masahito Yamauchi**, Kagoshima National College of Technology, **Japan**

Professional in sewage sludge compost for tea and vegetable production