

UGSAS-GU & BWEL Joint Poster Session on Agricultural and Basin Water Environmental Sciences 2022

Organized by The United Graduate School of Agricultural Science, Gifu University (UGSAS-GU)
Gifu University Rearing Program for Basin Water Environmental Leaders (BWEL)

PROGRAM

Wednesday, November 9

Time: 15:00-17:15

Timetable

- 15:00-15:05 **Opening remarks**
Prof. Ken Hiramatsu (Dean of UGSAS-GU)
- 15:10-16:45 **Online poster presentation**
 Poster Core Time
 Odd numbered posters : 15:10-15:50
 Even numbered posters : 15:50-16:30
 Free discussion time : 16:30-16:45
- 16:45-16:50 **Announcement of the winners of the Best Presentation Award**
- 17:00-17:10 **Best Presentation Award ceremony**
- 17:10-17:15 **Closing remarks**
Prof. Fusheng Li (Head of the Promotion Office of BWEL)

Presentations

- P01: Soil phosphate and potassium solubilization and *Fusarium oxysporum* inhibition potential of soil fungi isolated from melon (*Cucumis melo*) rhizosphere in Central Java, Indonesia**
Desti Dian Amalina (Faculty of Agriculture, Sebelas Maret University, Indonesia; Graduate School of Natural Science and Technology, Gifu University)
- P02: Ensemble learning approach to predict soybean yield using UAV-based imagery and weather data**
Luthfan Nur Habibi (UGSAS-GU)
- P03: Study on the relationship between intumescence injury and calcium supply among several tomato cultivars**
Natassia Clara Sita (UGSAS-GU)
- P04: Microbial fuel cell on different cultivation systems to reduce N₂O and CH₄ emission in Indonesia**
Adhia Azhar Fauzan (UGSAS-GU)
- P05: Sustainable pesticide management: Personalized simulation for Indian soil**
Kishalay Chakraborty (UGSAS-GU)
- P06: Rice yield prediction using UAV-based imagery and deep learning**
Md. Suruj Mia (UGSAS-GU)
- P07: Effects of transglutaminase on pasting properties and retrogradation of rice flour**
Dang Thi Kim Lien (UGSAS-GU)

- P08: Dissecting the role of N and S in Arabidopsis root architecture under Al stress through physio-genetics approach**
Md. Abir Ul Islam (UGSAS-GU)
- P09: Effect of exogenous gibberellin on regreening in Valencia orange fruit**
Nichapat Keawmanee (UGSAS-GU)
- P10: A coupled TOPMODEL-soil erosion model (TOPEROS): Towards having a compact decision support tool for evaluating hydrological ecosystem services**
Emmanuel Okiria (UGSAS-GU)
- P11: Evaluation of physical and antioxidant properties of chitosan-based films combing with curcumin nanoemulsion**
Fakfan Luangapai (UGSAS-GU)
- P12: Evaluation of the impact of climate change on river temperature**
Khadiza Akter Mousumi (UGSAS-GU)
- P13: Fate of plastic mulch residues in agricultural soil and its influence on soil property response to soil amendment addition**
Shiamita Kusuma Dewi (UGSAS-GU; BWEL)
- P14: Highly accurate estimation of swell components using wave model**
Shota Iguchi (Graduate School of Natural Science and Technology, Gifu University)
- P15: High-resolution analysis of atmospheric optical fluctuations for laser communication using WRF model**
Naoya Shimpuku (Graduate School of Natural Science and Technology, Gifu University)
- P16: Antibiotic resistance genes and 16S rDNA in large Johkasou treating residential area domestic wastewater**
Haoning Su (Graduate School of Engineering, Gifu University; BWEL)
- P17: Statistical analysis of solar radiation under future climate in Chubu region**
Tomoki Kitaoka (Graduate School of Natural Science and Technology, Gifu University)
- P18: Diagnosis of soil fertility by remote sensing data and GIS**
Jieli Zhou (Graduate School of Natural Science and Technology, Gifu University; BWEL)
- P19: Potential hosts and transfer of As, Cr, and Pb-induced resistance genes in soil under coal mining disturbance**
Yajie Wang (Graduate School of Engineering, Gifu University)
- P20: Can activated carbon allow antibiotic resistance genes to access into its pores**
Sri Anggreini (Graduate School of Engineering, Gifu University; BWEL)
- P21: Improvement of membrane filtration performance by pre-coating with powdered activated carbon**
Wenqing Li (Graduate School of Natural Science and Technology, Gifu University; BWEL)
- P22: Effect of bacteria on *Uroglena* sp. growth in surface water**
Ramayandi (Graduate School of Engineering, Gifu University)