

Chun-Hsiang Wang (Sean Wang)

EDUCATION

MSc in Plant Pathology and Microbiology

Sep. 2018-Nov. 2020

National Taiwan University, Taipei, Taiwan

- Thesis Title: Epidemiology and management of *Stemphylium* leaf blight of Welsh onion in Sanxing, Taiwan

Supervisor: Dr. Hiran Anjana Ariyawansa

BSc in Plant Pathology

Sep. 2015-June 2018

National Chung Hsing University, Taichung, Taiwan

PUBLICATIONS

Wang, C.-H., Tsai, Y.-C., Tsai, I., et al. 2021. *Stemphylium* leaf blight of Welsh onion

(*Allium fistulosum*): An emerging disease in Sanxing, Taiwan. *Plant Disease*.

<https://doi.org/10.1094/PDIS-11-20-2329-RE>

RESEARCH EXPERIENCE

Research Assistant, Laboratory of Plant Protection

Jan. 2021-Aug. 2022

Hualien District Agricultural Research and Extension Station, Council of Agriculture

Principal Investigator: Yi-Chen Tsai

Laboratory research

- Plant disease detection in vegetables and fruits.
- Screened bacterial isolates with antagonistic ability against fungal pathogen.
- Optimized the fermentation conditions of *Bacillus* spp.

Field experience

- Conducted the field survey of watermelon and Welsh onion diseases.
- Field observation using camera drone.

Master Student, Laboratory of Applied Mycology

Sep. 2018-Jan. 2021

Department of Plant Pathology and Microbiology, National Taiwan University

Supervisor: Dr. Hiran Anjana Ariyawansa

Laboratory research

- Conducted experiments and participated in writing two grant proposals.
- Diagnosis of fungal plant diseases using molecular techniques.
- Conducted phylogenetic analysis using bioinformatics software (MAGA, PAUP, and RAxML).
- Evaluated the efficacy of commercial fungicides against fungal pathogens of Welsh onion.

Field experience

- Welsh onion diseases diagnosis.

ORAL PRESENTATIONS

- Wang, C.-H. (Oct. 2020). Stemphylium leaf blight of Welsh onion (*Allium fistulosum*): An emerging disease in Sanxing, Taiwan. 2020 Annual Joint Meeting of Mycological Society ROC and Taiwan Society of Microbial Ecology & Fungal Ecology Conference, Taiwan.
- Wang, C.-H. (Nov. 2019). Identification and pathogenicity of fungal species associated with *Allium fistulosum* (Welsh onion) in Sanxing, Taiwan. 2019 Annual Meeting of Mycological Society ROC, Taiwan.
- Wang, C.-H. (Oct. 2019). Foliar pathogenic fungal species associated with *Allium fistulosum* (Welsh onion) in Sanxing, Taiwan. Asian Mycological Congress. Japan.

AWARDS / HONORS

Grinter Graduate School Fellowship , University of Florida	2022-2023
Government Scholarship to Study Abroad , Ministry of Education, Taiwan	2022
Dr. Huann-Ju Hsieh's Memorial Scholarship , National Taiwan University	2020
Merit Award of Student Presentation Competition , 2020 Annual Meeting of Mycological Society ROC, Mycological Society of Taiwan	Oct. 2020
Merit Award of Student Presentation Competition , 2019 Annual Meeting of Mycological Society ROC, Mycological Society of Taiwan	Nov. 2019
Golden Award of Team Competition , Biological and Science Technology Cup Match 2019, TCI Academy	Jan. 2019
The Endeavor Scholarship , National Taiwan University	2019

SKILLS

Software

- Proficient in Adobe illustrator, Adobe Photoshop, FigTree, MAFFT, MEGA, MS Office, PAUP, RAxML, RStudio, SAS, Sigma-plot and SPSS.

Licenses

- Pesticides Spray license (BAHPHIQ Licensing) **Feb. 2021**
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