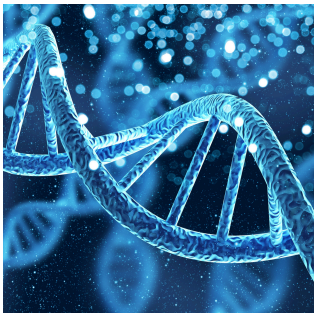
鄭舒允老師 實驗室

NCHU
DR.CHEN'S LAB

鄭老師專長領域 Research Interests

農園藝作物功能性基因體學及基因工程	農園藝作物遺傳與育種學	農園藝作物種緣鑑定及保存	農園藝作物基因轉殖與生物技術
Functional genomics and genetic engineering of agricultural and horticultural crops	Agricultural and Horticultural Crop Genetics and Breeding	Species identification and preservation of agricultural and horticultural crops	Gene transfer and biotechnology of agricultural and horticultural crops



鄭舒允 老師

Dr. Shuyun Chen

國立中興大學 農藝系 作物遺傳育種組 博士

Doctorate of National Chung Hsing University, Department of Agronomy

國立中興大學 農藝系 碩士

Master of National Chung Hsing University, Department of Agronomy

經歷 Professional Experience

NCHU AGRO

博士後研究員: 國立成功大學 生命科學系
Postdoctoral Research Fellow: National Cheng Kung University in the Department of Life Sciences

博士後研究員: 中央研究院 植微所
Postdoctoral Research Fellow: Academia Sinica in the Institute of Plant and Microbial Biology

博士後研究員: 康乃爾大學 生物技術
Postdoctoral Research Fellow: Cornell University in the Institute of Biotechnology

專案經理: 緯航太科技股份有限公司 環境農業部
Project Manager: Environmental Agriculture Department of GEOSAT Aerospace & Technology Inc.

教授課程 Courses Taught

精準育種技術
Technologies of Precision Breeding

高等植物育種學
Advanced Plant Breeding

作物生理、生態遺傳學
Plant Physiological and Ecological Genetics

生物資訊與作物育種
Bioinformatics in Crop Breeding

聯繫方式 Contact Us

歡迎聯繫我們 For further information, please reach out to us.

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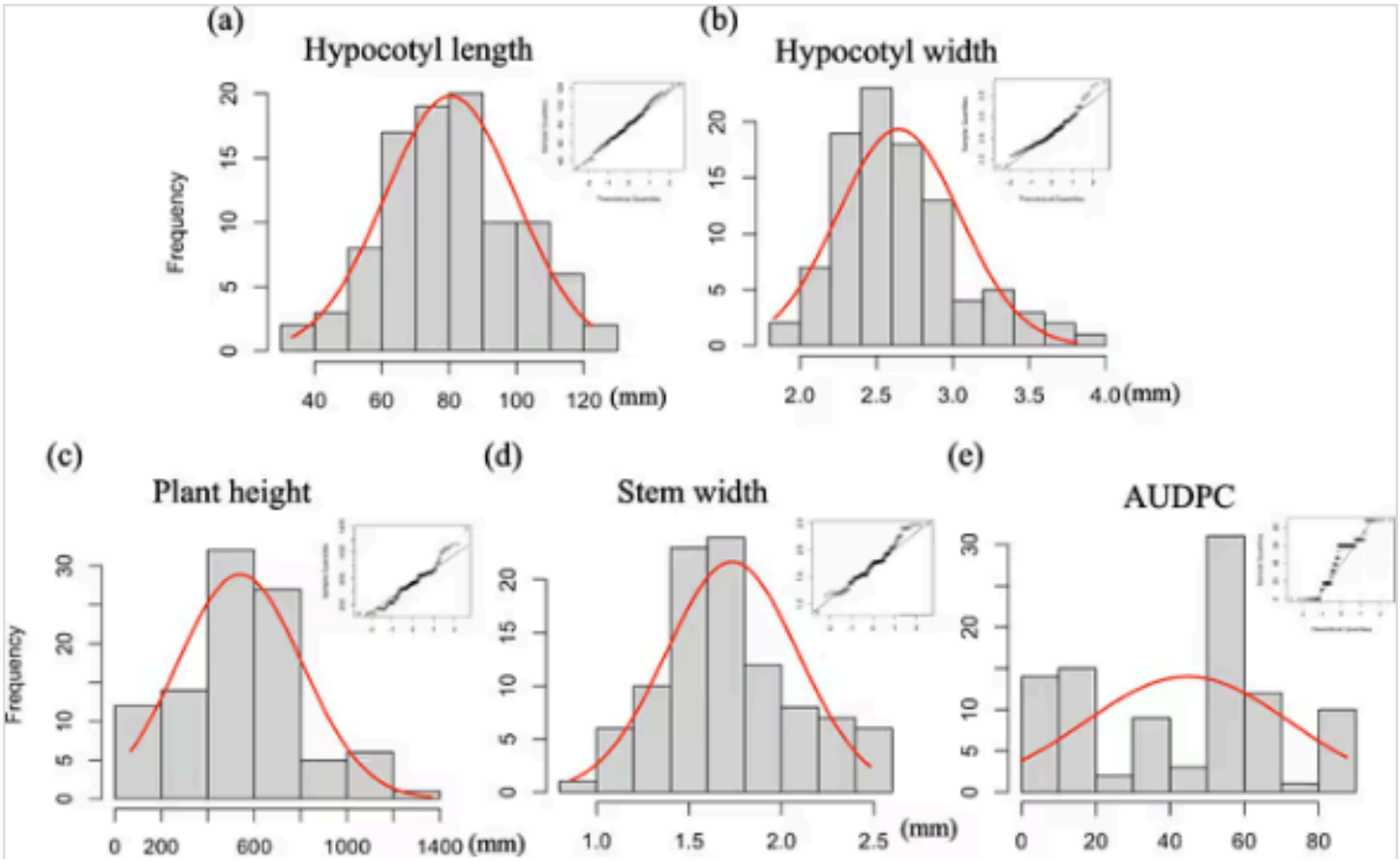
期刊論文 Publication List

- [2024 latest]Li, Y. D., Liu, Y. C., Jiang, Y. X., Namisy, A., Chung, W. H., Sun, Y. H., & Chen, S. Y. (2024). Analyzing genetic diversity in luffa and developing a Fusarium wilt-susceptible linked SNP marker through a single plant genome-wide association (sp-GWAS) study. BMC Plant Biology, 24(1), 307.



- [2024 latest] Namisy, A., Chen, S. Y., Huang, J. H., Unartngam, J., Thanarut, C., & Chung, W. H. (2024). Histopathology and quantification of green fluorescent protein-tagged Fusarium oxysporum f. sp. luffae isolate in resistant and susceptible Luffa germplasm. *Microbiology Spectrum*, e03127-23.

- [2023 latest] Wu, Y. J., Chen, S. Y., Hsu, F. C., Wu, W. L., Hsieh, T. F., Su, J. F., ... & Chen, H. H. (2023). PeCIN8 expression correlates with flower size and resistance to yellow leaf disease in Phalaenopsis orchids. *BMC Plant Biology*, *23*(1), 545.

- Chia-Chi Hsu, Shu-Yun Chen, Shang-Yi Chiu, Cheng-Yuan Lai, Pei-Han Lai, Tariq Shehzad, Wen-Luan Wu, Wen-Huei Chen, Andrew H. Paterson & Hong-Hwa Chen* (2022, Feb). High-density genetic map and genome-wide association studies of aesthetic traits in Phalaenopsis orchids. *Scientific Reports*, 12:3346. [本人為第一作者]
- Shu-Yun Chen, Yan-Jeng Wu, Ting-Fang Hsieh, Jiunn-Feng Su, Wei-Chiang Shen, Yung-Hsiang Lai, Pen-Chih Lai, Wen-Huei Chen and Hong Hwa Chen (2021, Mar). Develop an efficient inoculation technique for Fusarium solani isolate “TJP-2178-10” pathogeny assessment in Phalaenopsis orchids. *Botanical Studies*, 62:4-11. [本人為第一者]
- Chia-Chi Hsu, Shu-Yun Chen, Pei-Han Lai, Yu-Yun Hsiao, Wen-Chieh Tsai, Zhong-Jian Liu, Mei-Chu Chung, Olivier Panaud and Hong-Hwa Chen (2020, Nov). Identification of high-copy number long terminal repeat retrotransposons and their expansion in Phalaenopsis orchids. *BMC genomics*, 21:807-820.
- Shu-Yun Chen, Mei-Hsiu Su, Karl A. Kremling, Nicholas K. Lepak, M. Cinta Romay, Qi Sun, Peter J. Bradbury, Edward S. Buckler and Hsin-Mei Ku (2020, Oct). Identification of miRNA-eQTLs in maize mature leaf by GWAS. *BMC genomics*, 21:689-702. [本人為第一作者]
- Yi-Lun Liao, Wen-Shiin Lin and Shu-Yun Chen (2019, Apr). ‘Taichung No. 5’: A Short Plant Height with High Grain Yield Job’s Tears Cultivar. *American Society for Horticultural Science*, 52: 761-762. [本人為通訊作者]
- Karl A.G. Kremling, Shu-Yun Chen, Mei-Hsiu Su, Micholas K. Lepak, M. Cinta Romay, Kelly L. Swarts, Fei Lu, Anne Lorant, Peter J. Bradbury, Edward S. Buckler. (2018, Mar). Dysregulation of expression correlates with rare allele burden and fitness loss in maize. . *Nature*, 555: 520-523.
- Wei-Ting Liu, Peng-Wen Chen, Li_Chi Chen, Chia-Chun Yang, Shu-Yun Chen, GuanFu Huang, Tzu-Che Lin, Hsin-Mei Ku and Jeremy J.W. Chen (2017, Jul). Suppressive Effect of MicroRNA319 Expression on rice plant height.. *Theoretical and Applied Genetics*, 130(7):1507-1518.