

國立中興大學農藝學系-國際茶產業發展團隊  
Department of Agronomy National Chung Hsing University  
Team of International Tea Development

主持人 Team Leader

陳建德  
Chien Teh Chen

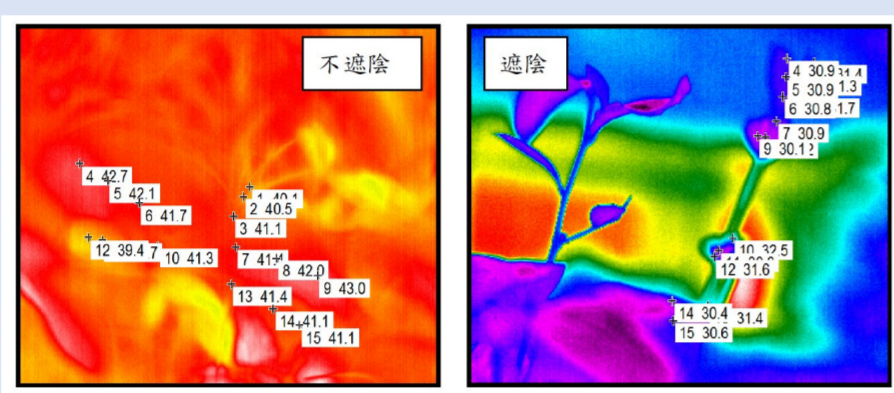
Education :

Ph.D. of Cornell University, USA ; Soil and Crop major

B.S. and M.S, of National Taiwan University; Agronomy major

研究主題 Subject

茶園遮蔭效果



農業廢棄物

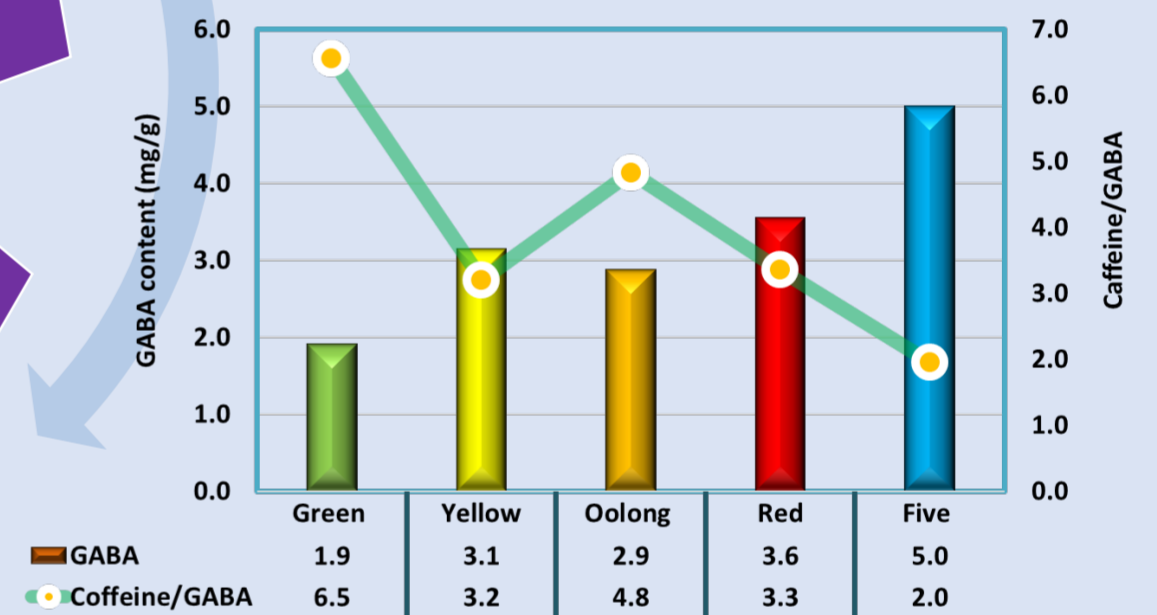
生物炭的應用



茶園管理

製茶技術

高含量GABA茶製程



國際茶產業發展

與印度茶商協商合作

參與UC Davis  
Global Tea Initiative



研究成果

期刊論文

- Herta Novalina Sipayung, Keng-Tung Wu, De-Yu Liu, Chien-Teh Chen (2022) Growth enhancement of *Camellia sinensis* with biochar. *Processes* 10(2), 199. (74/143 Engineering, Chemical)
- Irene Kosasih, Keng-Tung Wu, Herta Novalina Sipayung, Chien-Teh Chen (2022) Biochar application in *Calliandra Calothyrsus* plantation management. *Agroforestry Systems*, 96, 115–127. (27/91 Agronomy).
- Chien-Teh Chen, Tim L. Setter (2021) Role of tuber developmental processes in response of potato to high temperature and elevated CO<sub>2</sub>. *Plants*, 2021,10, 871. (47/235 Plant Sciences).
- Yi-Ping Wang , Chien-Teh Chen, Yao-Chuan Tsai, Yuan Shen (2021) A sentinel-2 image-based irrigation advisory service: Cases for tea plantations. *Water*, 13(9), 1305 (39/98 Water Resources).
- Yi-Yu Huang, Chien-Teh Chen, Wen-Tsan Liu (2017) Thermal performance of extensive green roofs in a subtropical metropolitan area. *Energy and Buildings*, 159, 39-53. (9/137 Engineering, Civil).
- Yi-Yu Huang, Chien-Teh Chen, Yen-Chi Tsai (2016) Reduction of temperatures and temperature fluctuations by hydroponic green roofs in a subtropical urban climate. *Energy and Buildings* , 2016:129. (9/137 Engineering, Civil).

技術轉移

- 陳建德, 高海拔GABA茶製程(2021)
- 陳建德, 高含量GABA茶製程(2020)