環境與文化資源學系

壹.114 年度高等教育深耕計畫執行

一、整體目標達成情形

USR 人才培育上，已獲教育部 USR2024~2027 三年期計畫之延續：導入新竹市南寮地區和自然谷的永續發展和氣候指標進行當地實際田野調查踏查，建立地方與大學的 ESD+ESG 關係（獲得許多報載露出、並製作成果影片於 youtube）。

二、 產生之成效與成果(量及質化敘述)

2025 年	TOP1%	Q1	Q2	SCOPUS Q2	中文
數量	1	2	4	1	1

1. Chang, K., & **Cheng, K.-T.** (2025, Nov). The Emerging Technology in Hiring: Insights from Assembly Line Workers and Managers. *Administrative Sciences*, 15(12), 463. (Scopus, Q2,Management).實為通訊
2. Lin, H.-C., **Cheng, K.-T**., Li, W.-H., Liu, L., & Tai, H.-W. (2025, Nov). From Policy to Practice: A Systems Approach to Green Building Advancement for Regional Sustainability. *Sustainability*, 17(22), 10357. (SSCI, Q2, 80/193Environmental Studies).
3. Liu, L., Tai, H.-W., Chen, T.-C., & Cheng, K.-T. (2025, Nov). Reframing construction labor for sustainable urban land transformation. *Environment, Development and Sustainability (*註記*These authors contributed equally to this work)*, (SCIE, Q2, 126/376Environmental Sciences). 本人為通訊作者.
4. Tai, H.-W., Chang, K., Cheng, C.-F., & **Cheng, K.-T.** (2025, Nov). Beyond Motivation: Aligning People and Accountability for Job Satisfaction and Sustainable Public Infrastructure. *Buildings*, 15(22), 4169. (SCI, Q2, 60/184: Civil Engineering). 本人為通訊作者.
5. Hsieh, T.-Y., Yang, Y.-M., Tai, H.-W., & **Cheng, K.-T.** (2025, Oct). The Interplay of Digital Transformation, Organizational Agility, and Knowledge Management in Optimizing Construction Project Management. *Buildings,(*註記*These authors contributed equally to this work)*, 15(21), 3884. (SCI, Q2, 60/184: CivilEngineering). 本人為通訊作者.

6. Tai, H.-W., **Cheng, K.-T**., Wei, C.-C., & Liu, L. (2025, Sep). Investigating the Adoption Mindset of Smart City Technology Within the Construction Sector. *Sage Open* , 15(3), 21582440251361878. (SSCI, Q!, 56/271, SOCIAL SCIENCES, INTERDISCIPLINARY).
7. Liu, L., Tai, H.-W., Wang, T., Qiao, L., & **Cheng, K.-T.** (2025, Mar). Analyzing cost impacts across the entire process of prefabricated building components from design to application. *Scientific Reports*, 15(1), 9300. (SCIE, Q1, 25/135,MULTIDISCIPLINARY SCIENCES).
8. Ren-Jie Zhang, Hsing-Wei Tai, Zheng-Xu Cao, **Kuo-Tai Cheng,** Chia-Chen Wei (2025, Jan). Innovation ecosystem based on low-carbon technology: Value cocreation mechanism and differential game analysis. *Technological Forecasting and Social Change*, https://doi.org/10.1016/j.techfore.2024.123852. (SSCI, Q1,4/403, Business, 0.99%).
9. 鄭國泰（2025年12月）。從清潔發展機制（CDM）到聯合抵換額度機制（JCM）之研究—台灣溫室氣體自願減量作業的新契機。工業材料雜誌，接受2025/12, 刊登於2026。本人為第一作者、通訊作者。

三、活動照片

Field-Weighted Citation Impact FWCI (至 2025/12/19)

出版品	**FWCI**
Carbon emission efficiency network formation mechanism and spatial correlation complexity analysis: Taking the Yangtze River Economic Belt as an example. Zhang, R., Tai, H., **KuoTai Cheng**, YuTing Zhu, JunJie Hou (2022) Science of the Total Environment, 841.	4.84
Green innovation ecosystem evolution: Diffusion of positive green innovation game strategies on complex networks. Zhang, R.-J., Tai, H.-W., Cao, Z.-X. Chia-Chen Wei, **Kuo-Tai Cheng** (2024) Journal of Innovation and Knowledge, 9 (3). View in Scopus	4.81
Digitalisation of Personnel Recruitment and Selection. Chang, K., Carrim, N.M.H., Gupta, M. **Cheng, K**., Sandland, S.. (2024) HRM 5.0: Unpacking the Digitalisation of Human Resource Management, pp. 87-112. View in Scopus	2.25
Analysis on evolution characteristics and dynamic mechanism of urban	2

green innovation network: A case study of Yangtze river economic belt. Zhang, R.-J., Tai, H.-W., **Cheng, K.-T.** and 3 more (2022) Sustainability (Switzerland), 14 (1). View in Scopus	
Carbon Emission Efficiency Network: Evolutionary Game and Sensitivity Analysis between Differentiated Efficiency Groups and Local Governments. Zhang, R., Tai, H., **Cheng, K.** and 3 more (2022) Sustainability (Switzerland), 14 (4). View in Scopus	0.82