

109 年臺大實驗林同仁所發表之報告

(一) 期刊

1. Chang, Fang-Chih*, Chun-Han Ko and Ming-Jer Tsai (2020) Afforestation and tending Operations Affecting the Carbon Footprint and Renewable Resources at an Artificial Forest in Taiwan. *BioResources* 15(1): 641–653. (SCI)
2. Chen, Chung-Yi*, Ching-Tong Chen, Su-Ling Liu, Chiu-Li Kao, Wen-Jang Li, Hung-Chun Yeh, Hsing-Tan Li,* and Hui-Wen Chang* (2020) A New Dimeric Lignan from *Machilus philippinensis*. *Chemistry of Natural Compounds* 56(4): 611-613. (SCI)
3. Cheng, Chih-Hsin, Chia-Yi Lee, Hong-Ru Lee, Chiou-Pin Chen and Oleg V. Menyailo (2020) Effects of Typhoon Disturbances on Seasonal and Interannual Patterns of Litterfall on Coniferous and Broadleaf Plantations in Xitou, central Taiwan. *Journal of Forest Research* 25:155-162. (SCI)
4. Chung, Min-Jay, Sen-Sung Cheng, Chun-Ya Lin and Shang-Tzen Chang (2020) Qualitative Profile of Volatile Compounds by SPME in *Dendrocalamus latiflorus*, *Phyllostachys pubescens*, and *Phyllostachys makinoi* Culms Used as Eating Utensils. *BioResources* 15(2): 4373-4387. (SCI)
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11. Lai, Shih-Wei, Kuan-Fu Liao, Yu-Hung Kuo, Cheng-Li Lin, Chiu-Shong Liu, Bing-Fang Hwang, Yen-Jen Lai* (2020) The impacts of ambient temperature and ultraviolet radiation on the incidence of herpes zoster: an ecological study in Taiwan. *International Journal of Clinical Practice* 2020;00:e13854. (SCI)
12. Lai, Shih-Wei, Wan-Chi Chang, Cheng-Li Lin, I-Ching Chou, Fuu-Jen Tsai and Yen-Jen Lai* (2020) Low Ambient Temperatures Correlate with Increased Risk of Hypoglycemia in Patients with Type 2 Diabetes: An Ecological Study in Taiwan. *Medicine* 99: 8 (e19287). (SCI)
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14. Lee, Chia-Ju and Min-Jay Chung* (2020) Effects of Bamboo Species, Steam-Heating Treatment, and Adhesives on Mechanical Properties and Dimensional Stability of Oriented Bamboo Scrimber Boards. *BioResources* 15(3): 5342-5354. (SCI)
15. Li, Meng-Chia, Farshid Ghanbari, Fang-Chih Chang, Chechia Hu, Kun-Yi Andrew Lin and Yunchen Du (2020) Enhanced Degradation of 5-Sulfosalicylic Acid Using Peroxymonosulfate Activated by Ordered Porous Silica-Confined Co_3O_4 prepared Via a Solvent-Free Confined Space Strategy. *Separation and Purification Technology* 116972. (SCI)
16. Lin, Chun-Ya, Sen-Sung Cheng, Chi-Lin Wu and Shang-Tzen Chang (2020) Contact and Fumigant Actions of *trans*-Cinnamaldehyde Against Wood-Decay Fungi Evaluated by Using Solid-Phase Microextraction. *Wood Science and*

Technology 54(1): 237-247. (SCI)

17. Lin, Yin-Lin, Farshid Ghanbari, Yong Sik Ok, Grzegorz Lisak, Kun-Yi Andrew Lin* and Fang-Chih Chang* (2020) Selective Aerobic Upgrading of Lignin-Derived Compound Using a Recyclable Dual-Functional TPO-Loaded Cu-BTC Catalyst. Waste and Biomass Valorization 11: 1-13. (SCI)
18. Liu, Su-Ling, Chiu-Li Kao, Hung-Chun Yeh, Pen-Ling Song, Hsing-Tan Li and Chung-Yi Chen* (2020) A New α -Ionone from *Michelia champaca*. Chemistry of Natural Compounds 56(3): 389-381. (SCI)
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20. Liu, Su-Ling, Yu-Shen Tsai, Ching-Tong Chen, Hung-Chun Yeh and Chung-Yi Chen* (2020) A New 2h-Pyran from *Michelia compressa* var. *lanyuensis*. Chemistry of Natural Compounds 56(3): 427-429. (SCI)
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 29. Yang, Pu-Tai, Yohey Hashimoto, Wen-Jing Wu, Jang-Hung Huang, Po-Neng Chiang and Shan-Li Wang (2020) Effects of Long-Term Paddy Rice Cultivation on Soil Arsenic Speciation. Journal of Environmental Management 254: 109768. (SCI)
 30. Yeh, Hsin-Ting, Chiun-Cheng Ko and Li-Wei Wu (2020) The First Complete Mitochondrial Genome of *Adelges tsugae* Annand (Hemiptera: Adelgidae). Mitochondrial DNA Part B 5(3): 2288-2290. (SCI)
 31. Yeh, Hui-Chung, Yen-Chang Chen and Chiang Wei* (2020) Study on the Risk Map of Dust Storm Pollution Using Indicator Kriging. TAO 31(3): 313-323. (SCI)
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 33. 余瑞珠、江博能*、王亞男 (2020) 臺灣杉人工林疏伐處理後短期枯落物分解與土壤養分變化。國立臺灣大學生物資源暨農學院實驗林研究報告 34(3) : 221-238。
 34. 呂長澤、王偉聿、朱珉寬、楊智凱 (2020) 金門新紀錄植物-尾葉灰木。國家公園學報 30(1) : 46-50。

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49. 賴彥任*、林博雄 (2020) 自製簡易空氣品質觀測系統結果驗證。國立臺灣大學生物資源暨農學院實驗林研究報告 34(3)：263-276。
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(二) 研討會論文

1. Chen Wen Ching and Chen Chiou Pin*. Soil bacterial diversities and soil properties in conventional and organic tea plantations with different tree-planting ages. Agricultural Chemical Society of Taiwan. Agricultural Chemical Society of Taiwan 58th Annual Conference. Taipei, Taiwan. June 23, 2020. Taipei, Taiwan. (Poster)
2. Lin, Po-Heng, Lin, Cheng-Jung, Ko, Chun-Han, Chang, Fang-Chih*. Pyrolysis properties of wood mixed waste rigid polyurethane foam pellet. 4th Sustainable Process Integration Laboratory Scientific Conference: Energy, Water, Emission & Waste in Industry and Cities. November 18-20, 2020. (Online)
3. Lin, Wen-Jun, Guan-Yu Chen, Chun-I Chiu, Wei-Ren Liang, Ming-Jer Tsai, Hsin-Ting Yeh and Hou-Feng Li. Structural damage and reinvasion of *Coptotermes gestroi* on tree: A case study of Luchu pine (*Pinus luchuensis* Mayr.) in Xiaping Tropical Botanical Garden. The 41th Annual Meeting of Taiwan Entomological Society. October 16-18, 2020. Taipei, Taiwan. (Poster)
4. Shao, Ko-Hsuan, Yann-Rong Lin, Sen-Sung Cheng and Ming-Jer Tsai*. The restoration project of Bununese Foxtail millet landraces in Xinyi Township,

Nantou County. Resilient Food and Agricultural System for Accelerating Economic Recovery: Strategy and Implementation. The University Consortium Graduate Forum (UCGF) 2020. December 10-11, 2020. Universitas Gadjah Mada (UGM), Yogyakarta, Indonesia. (Oral)

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6. 李春霖*、王琄嬋、何彬宏 (2020) 以糞金龜為生物指標研究登山健行對森林生物多樣性的影響。109 年森林資源永續發展研討會。臺中。109 年 11 月 13 日國立中興大學。
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8. 劉素玲、葉宏淳、邱莘雅、鄭羽琪、王妙慈、謝宗祐、陳翰萬、李冠德、陳中一* (2020) 香桂化學成分分析之研究。2020 中華林產事業協會學術論文暨研究成果研討會。臺中。國立中興大學。6 月 5 日。(Poster)
9. 劉素玲、鄭森松* (2020) 不同樹種段木香菇栽培前後化學組成及孔隙結構之比較。109 年森林資源永續發展研討會。臺中。109 年 11 月 12-13 日中興大學。(Poster)
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11. 鄭森松*、林群雅、劉素玲、蔡坤憲、張上鎮 (2020) 臺灣檳枝條精油和甲醇抽出物抗病媒蚊幼蟲活性之評估。109 年森林資源永續發展研討會。臺中。109 年 11 月 12-13 日中興大學。(Poster)
12. 賴彥任*、林博雄 (2020) 適用於高濕森林環境之自製簡易空氣品質觀測系統驗證 109 年森林資源永續發展研討會。臺中。109 年 11 月 12-13 日中興大學。

(三) 其他

1. 李東穎、莊閔傑、蔡明哲 (2020) 原竹竹桿之結構用途介紹。木質建築 23:

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4. 葉宏淳、劉素玲、鄭森松、陳中一 (2020) 頂級療癒必備-香氛、精油生技起源與開發應用。生物科技特刊 7：557-62。
5. 楊智凱 (2020) 植物的歲時紀事 表演藝術 334: 98-103
6. 楊智凱 (2020) 天乾物燥 引發森林大火 國語日報週刊 1291：2-4。