

# 台灣林業科學第三十四卷 總目錄

## 第一期 中華民國一〇八年三月

### 研究報告

- 林俊成、陳溢宏、王培蓉、吳孟珊 小果油茶經營成本效益調查與分析 1
- 胡元璋、曾喜育 北東眼山常綠闊葉林之微生育地類型及樹種組成 13
- 呂明倫、黃靜宜、陳志輝、宋一鑫 應用物種分布模式推估台灣東方蜜蜂之授粉服務 29
- 葛兆年、張靖、莊鈴木、盧勇仁、黃文伯 鳥類與蝙蝠捕食者降低亞熱帶人工林害蟲豐量 43

### 研究簡報

- 趙建棣、鄭仲良、王秋美 旋花科(*Convolvulaceae*)牽牛花屬蕃薯組(*Ipomoea* sect. *Batatas*)的一新歸化植物白星牽牛(*I. lacunosa*) 55
- 張藝翰、洪聖峰、林謙佑、呂碧鳳、陳建文、塗三賢 臺灣蕨類植物誌增註(5) 63

## 第二期 中華民國一〇八年六月

### 研究報告

- 陸象豫、孫銘源、蔡佳彬、黃惠雪 六龜試驗林氣象及水文特性之研究 71
- 周俊琴、鄧小麗、餘泳東、戴生玉、袁軍 油茶葉片鋁累積、釋放以及活性炭和鈣對其含量的消滅研究 89
- 彭世賢、王相華、郭耀綸 恆春半島海岸林銀合歡入侵之防治方法 99
- 葉民權、林玉麗、鍾佩芬、陳怡安 自攻螺絲應用於集成材梁柱接合剪斷抵抗性能之補強研究 113
- 傅春旭、蔡明哲、李鎧彤、黃勁暉、張詠怡 印度塊菌、麗江塊菌及深脈塊菌菌絲培養之研究 127

### 研究簡報

- 呂長澤、洪裕榮、陳志雄 台灣堇菜科的新紀錄種—廣東堇菜 135

## 第三期 中華民國一〇八年九月

### 研究報告

- 吳鴻廷、李澤、何超銀、梁琴、曾豔玲 青錢柳愈傷組織誘導及多糖含量的研究 143
- 鍾振德、簡慶德、陳建帆、陳正豐、林則桐 台灣穗花杉扦插、高壓及種子繁殖與苗木生長 155
- 傅春旭、張東柱、林俊成、姚瑞禎、黃勁暉 以模擬褐根病菌在環境中殘存方式評估其對殺菌劑之感受性 169
- 葉民權、林玉麗、顏大翔、林秀鑾 應用自攻螺絲於直交集成板接合之剪斷抵抗探討 179
- 林俊成、詹為異、陳溢宏、林柏亨 臺灣製材廠木質廢料量與處理現況調查分析 197

### 研究簡報

- 王相華、王玉婷、伍淑惠、蘇聲欣 台灣梅花鹿磨角行為對墾丁高位珊瑚礁森林樹木的危害 207

## 第四期 中華民國一〇八年十二月

## 研究報告

何嘉浚、曾俊偉、李嘉若、 林鎮洋、莊智璋	集水區土地利用變遷及降雨量變化對水資源涵養 能力影響之研究	217
葉民權、宋雲煒、林玉麗	直交集成板金屬連結件接合之剪斷抵抗性能探討	235
陳舜英、許俊凱、許原瑞、 簡慶德、許富蘭	短柱山茶母樹之果實採收期影響種子大小、種子發芽與 種仁油含量及成分	263
葛兆年、許詩涵、楊懿如、 陳一銘	人工林鳥類組成及多樣性的時間變化	275
張勵婉、邱少婷、郭耀綸、 謝長富、李沛軒	蓮華池常綠闊葉林三種山龍眼屬植物之空間分布模式主要受 棲位分化影響	291
邱祈榮、楊勝驛 鍾智昕、王相華	臺灣杉木人工林分承載量的估測	305

# TAIWAN JOURNAL OF FOREST SCIENCE

## CONTENTS OF VOLUME 34

### Number 1, March 2019

#### Research papers

Lin JC, Chen YH, Wang PJ, Wu MS	Survey and cost-benefit analysis of <i>Camellia brevistyla</i> management	1
Hu YW, Tzeng HY.	Microhabitat types and tree species composition in an evergreen broadleaf forest at Mt. peitungyen	13
Lu ML, Huang JY, Chen CH, Sung IH.	Modeling the pollination service of <i>Apis cerana</i> in Taiwan based on the species distribution model	29
Koh CN, Chang C, Juang LM, Lu YJ, Hwang W.	Avian and bat predators reduce pest abundances in a subtropical plantation	43
<u>Research notes</u>		
Chao CT, Cheng CL, Wang CM.	<i>Ipomoea lacunosa</i> (Convolvulaceae: <i>Ipomoea</i> sect. <i>Batatas</i> ): a newly naturalized species of Taiwan	55
Chang YH, Hung SF, Lin CY, Lu PF, Chen CW, Tu SH.	New Additions to the Fern Flora of Taiwan (5)	63

### Number 2, June 2019

#### Research papers

Lu SY, Sun MY, Tsai JB, Huang HH.	Climatic and hydrological characteristics of the Liukuei Experimental Forest	71
Zhou JQ, Deng XL, Yu YD, Dai SY, Yuan J.	Aluminum accumulation and release and the alleviating effects of biochar and lime as soil amendments in <i>Camellia oleifera</i> leaves	89
Peng SH, Wang HH, Kuo YL.	Methods for preventing the invasion of <i>Leucaena leucocephala</i> in coastal forests of the Hengchun Peninsula, Taiwan	99
Yeh MC, Lin YL, Zhong PF, Chen YA.	Application of self-tapping screws for reinforcing the shear resistance performance of glulam beam-column connections	113
Fu CH, Tsai MJ, Li HT, Wong KF, Cheung WY.	Study of the in vitro culture of <i>Tuber indicum</i> , <i>T. lijiangense</i> and <i>T. elevatireticulatum</i> mycelium	127
<u>Research note</u>		
Lu CT, Hung YL, Chen CH.	<i>Viola kwangtungensis</i> Melch. (Violaceae): a new record <i>Viola</i> in Taiwan	135

### Number 3, September 2019

#### Research papers

Wu HT, Li Z, He CY, Liang Q, Zeng YL.	A Study of callus induction and polysaccharide contents of <i>Cyclocarya paliurus</i> (Batalin) Iljinskaya	143
Chung JD, Chien CT, Chen CF, Chen CF, Lin TT.	Propagation and growth of <i>Amentotaxus formosana</i> by stem cutting, air-layering, and seeds	155
Fu CH, Chang TT, Lin JC, Yao JC, Wong KF.	Efficacy tests of fungicides towards <i>Phellinus noxius</i> inoculated in a plant substrate	169
Yeh MC, Lin YL, Yen TH, Lin HL.	Investigation of the shear resistance performance of cross-laminated timber connections with self-tapping screw applications	179
Lin JC, Chan WH, Chen YH, Lin PH.	An investigation of the quantity and treatment status of woody residues of sawmills in Taiwan	197

Research note

- |                                    |  |     |
|------------------------------------|--|-----|
| Wang HH, Wang YT, Wu SH,<br>Su SH. | Fraying damage to trees by Formosan sika deer in the Kenting Uplifted<br>Coral Reef Forest | 207 |
|------------------------------------|--|-----|

## Number 4, December 2019

Research papers

- |   |   |     |
|---|---|-----|
| Ho CC, Tseng CW, Lee CC,<br>Lin JY, Chuang CW.  | Effects of changes in land use and rainfall patterns on water resources<br>conservation capability in a watershed   | 217 |
| Yeh MC, Sung YW, Lin YL.                        | Investigation of the shear resistance performance of cross-laminated<br>timber connections using mechanical connectors                                    | 235 |
| Chen SY, Hsu CK, Hsui YR,<br>Chien CT, Hsu FL.  | Effect of the fruit harvest date of <i>Camellia brevistyla</i> mother trees<br>on seed size, seed germination, and kernel oil content and composition     | 263 |
| Koh CN, Hsu SH, Yang YJ,<br>Chen YM.            | Temporal variations in bird composition and diversity in forest<br>plantations  | 275 |
| Chang LW, Chiu ST, Kuo YL,<br>Hsieh CF, Lee PH. | Niche partitioning affects spatial distribution patterns of three <i>Helicia</i><br>species of the Lienhuachih evergreen broadleaf forest, central Taiwan | 291 |
| Chiou CR, Yang SI.                              | Estimation of the Stand Carrying Capacity of Chinese Fir Plantations<br>In Taiwan   | 305 |