

Research note

## New Cultivars from Native Plants of Taiwan (XI)

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### 【 Summary 】

Four new cultivars from native plants of Taiwan are described in this paper: *Buxus liukiensis* ‘Round’ (Buxaceae), *Elaeagnus oldhamii* ‘Round’ (Elaeagnaceae), *Murraya paniculata* ‘Variegated Leaves’ (Rutaceae), and *Podocarpus costalis* ‘White Fasciate’ (Podocarpaceae). These cultivars are useful for ornamental and landscape planting.

**Key words:** cultivar, *Buxus liukiensis* ‘Round’, *Elaeagnus oldhamii* ‘Round’, *Murraya paniculata* ‘Variegated Leaves’, *Podocarpus costalis* ‘White Fasciate’.

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## 研究簡報

## 紀台灣原生植物之新栽培品種(十一)

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## 摘要

本文描述四種新命名的台灣原生植物栽培變種，即：圓葉琉球黃楊(黃楊科)，圓葉植梧(胡頹子科)，花葉長果月橘(芸香科)，及玉帶蘭嶼羅漢松(羅漢松科)。這四種栽培品種將可供園藝觀賞及景觀綠美化之用。

關鍵詞：栽培品種、圓葉琉球黃楊、圓葉植梧、花葉長果月橘、玉帶蘭嶼羅漢松。

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1. *Buxus liukuensis* 'Round' 圓葉琉球黃楊 (Figs. 1, 5A)

*A typo folio roundo vel ovato differt.*

A shrub. Leaves ovate-round, subcoriaceous, 2.8~5.0 cm long, 2.0~2.8 cm wide, emarginate to obtuse at apex, acute to obtuse at base; petioles 1~2 mm long, sparsely pilose. Standard: *S. Y. Lu 29501* (TAIF), specimen prepared from a plant cultivated in Taipei Botanical Garden.

Note: This cultivar was selected from seedlings of *B. liukuensis* collected from Lanyu (Orchid Island). The main difference from *B. liukuensis* (Yang and Lu 1993) is

the round to ovate leaf shape (*B. liukuensis* is narrowly ovate in leaf shape). The cultivar name 'Round' is derived from this character.

2. *Elaeagnus oldhamii* 'Round' 圓葉植梧 (Figs. 2, 5B)

*A typo folio late obovato differt.*

Small evergreen tree. Leaves chartaceous, widely obovate, 1.25~5.0 cm long, 2.0~3.2 cm wide, rounded and emarginated at apex, acute at base. Scales mostly silvery. Standard: *S. Y. Lu 29502* (TAIF), specimen prepared from a plant cultivated at Taipei Bo-



Fig. 1. *Buxus liukuensis* 'Round' (圓葉琉球黃楊).



Fig. 2. *Elaeagnus oldhamii* 'Round' (圓葉植梧).

tanical Garden.

Note: This cultivar was selected from Chan's Bonsai Studio (展園) owned by the 4th author. The main difference from the *E. oldhamii* (Lu and Yang 1993) is the broadly obovate leaf shape (*E. oldhamii* is narrowly obovate in leaf shape). The cultivar name is derived from this character.

3. *Murraya paniculata* 'Variegated Leaves'  
花葉長果月橘(Figs. 3, 5C)

*A typo folio variegato differt.*

An evergreen shrub or small tree. Leaves

pinnate, 3~5-foliolate; leaflets alternate, subcoriaceous, terminal one largest, 4~5 cm long, 3~3.5 cm wide, with white variegations. Standard: *S. Y. Lu 29503* (TAIF), specimen prepared from a plant cultivated at Taipei Botanical Garden.

Note: This cultivar was selected from the Beatitudes Garden (八福園) owned by the 2nd and 3rd authors. The main difference from *M. paniculata* (Chang and Hartley 1993) is the white patches on the leaf surface. The cultivar name 'Variegated Leaves' is derived from this character.



Fig. 3. *Murraya paniculata* 'Variegated Leaves' (花葉長果月橘).



Fig. 4. *Podocarpus costalis* 'White Fasciate' (玉帶蘭嶼羅漢松).

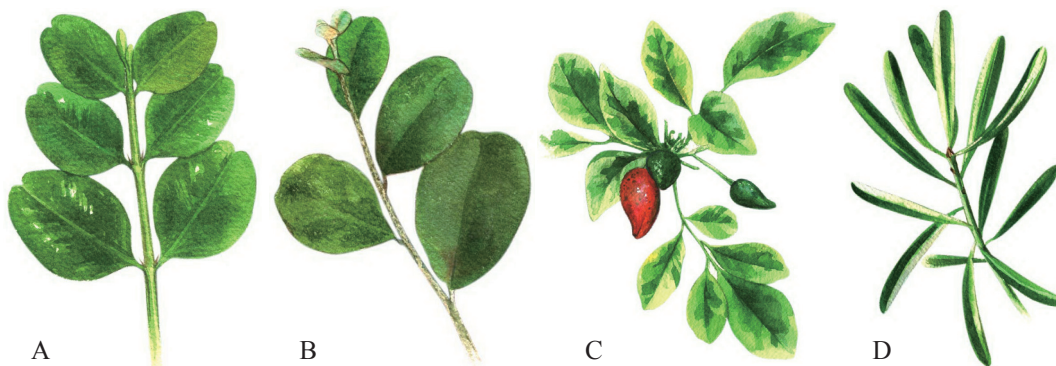


Fig. 5. Shoots and leaves of the 4 cultivars. (A) *Buxus liukiensis* 'Round', (B) *Elaeagnus oldhamii* 'Round', (C) *Murraya paniculata* 'Variegated Leaves', with fruit, (D) *Podocarpus costalis* 'White Fasciate'.

4. *Podocarpus costalis* ‘White Fasciate’ 玉帶  
蘭嶼羅漢松(Figs. 4, 5D)

*A typo folio candido fasciato differt.*

A dwarf shrub or small tree. Leaves coriaceous, linear-oblongate, 5~7 cm long, 7~12 mm wide, with white fasciae. Standard: *S. Y. Lu 29504* (TAIF), specimen prepared from a plant cultivated at Taipei Botanical Garden.

Note: This cultivar was selected from the Beatitudes Garden (八福園) owned by the 2nd and 3rd authors. It differs from *P. costalis* (Li et al. 1994) in having white stripes on the leaf surface. For this reason, ‘White Fasciate’ is proposed as the cultivar name for this character.

Assessments and suggestions for utilization on horticultural and landscape usage of the 4 new cultivars are offered. All of these are suitable for potted planting and garden planting. In addition, *B. liukiensis* ‘Round’ and *E. oldhamii* ‘Round’ are also adequate for hedges. *Elaeagnus oldhamii* ‘Round’ is competent for use as a fencing plant.

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