

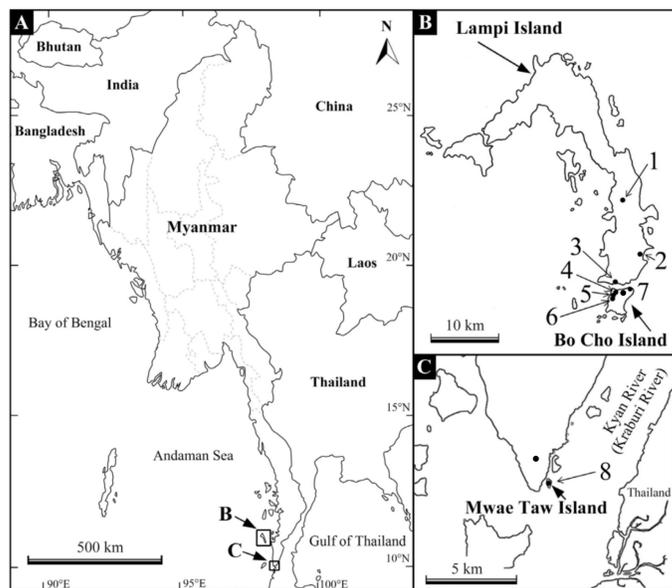
# Contributions to the Flora of Myanmar: new records of 11 woody species from Mergui Archipelago of southern Myanmar

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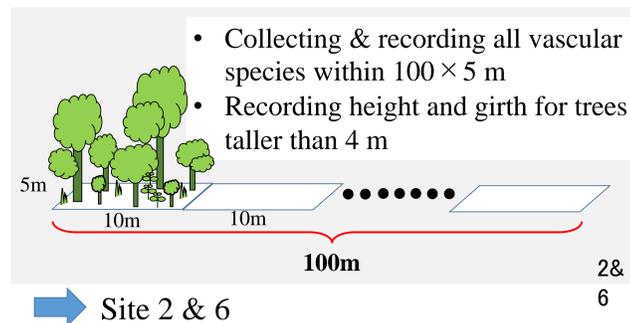
## Introduction

The Mergui (Myeik) Archipelago, located in Tanintharyi Region, southern Myanmar, comprises more than 800 islands distributed along 60 km off the western shore of the Malay Peninsula in the Andaman Sea. Previous floristic survey was performed in the coastal area and reported a total of 305 species belonging to 241 genera of 91 families (Yi 2008). However, studies of the terrestrial flora are very limited and further explorations of the flora are required for developing conservation planning. We carried out the floristic surveys on the Lampi Marine National Park and its surrounding islands from 16–23 May 2017 and from 6–12 February 2018.

## Study site and survey methods



### 1. Plot-based survey



### 2. General collection

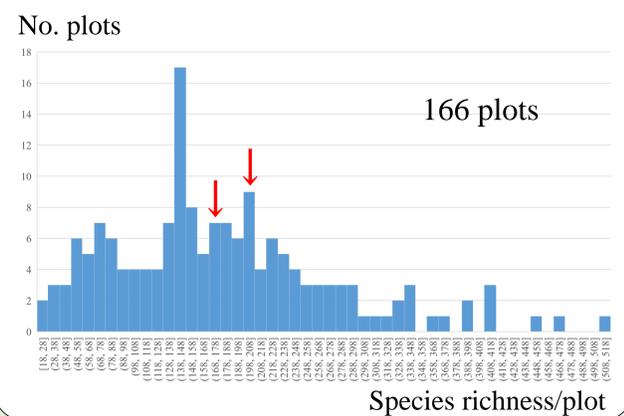
Collecting & recording flowering, fruiting and some interesting plant species

Blue arrow: Filled circles

### 1. Plot-based survey

Site 2 → 172 species/plot  
Site 6 → 202 species/plot

### vs. Other countries in SE Asia



## New records of 11 woody species

Anacardiaceae  
*Semecarpus curtisii*



MY1938 (site 8)

Annonaceae  
*Anaxagorea javanica*



MY1969 (site 4), MY3053 & MY3054 (site 5)

Celastraceae  
*Loeseneriella pauciflora*



MY2384 (site 3)

Chrysobalanaceae  
*Atuna racemosa* subsp. *racemosa*



MY2210 (site 6)

Dipterocarpaceae  
*Vatica stapfiana*



MY2525 (site 6)

Ebenaceae  
*Diospyros longipilosa*



MY2282 (site 6)

Euphorbiaceae  
*Koilodepas longifolium*



MY2129 (site 6)

Euphorbiaceae  
*Mallotus tokiae*



MY2409 (site 2), MY2533 (site 1), MY2570 (site 3)

Euphorbiaceae  
*Trigonostemon capillipes*



MY2297 (site 6), MY2455 (site 2)

Fabaceae  
*Dalbergia rostrata*



MY1946 (site 7)

Meliaceae  
*Reinwardti dendron humile*



MY2404 (site 2)

- Total **1459 specimens** (RAF, TNS & FU) >700 species
- **11 species** are new to Myanmar.
- **4 genera** (*Loeseneriella*, *Atuna*, *Koilodepas* and *Reinwardti dendron*) are new to Myanmar.
- *Mallotus tokiae* is only known from a single specimen collected in Thailand, but this species is abundant in Lampi Island.

Blue arrow: Further flora surveys will lead us to discover more new records as well as new taxa

## Publications

Tagane S., Toyama H., Tanaka N., Mu Mu Aung, Nagahama A., Aung Khaing Win, Swe Swe Win, Yahara T. (2018) Contributions to the flora of Myanmar III: New records of 10 woody species from Mergui Archipelago of Southern Myanmar. Nat. Hist. Bull. Siam Soc. 63(2): 1-11.

Toyama H., Aung MM, Tagane S, Naiki A, Sudee S, Nagamasu H, Nagahama A, Win SS, Tanaka N and Yahara T (accepted) Contributions to the Flora of Myanmar V: a new record of *Mallotus tokiae* (Euphorbiaceae) with the description of flower morphology from Lampi Island, Myanmar. Thai Forest Bulletin (Botany).