



Liu Qiang* & Yin Shou-Hua

Xishuangbanna Tropical Botanical Garden, CAS
Mengla, Yunnan Province 666303, P.R.
China

* Author for correspondence: liuq@xtbg.org.cn • amenceo8008@yahoo.com.cn

Wild orchid living collection in XTBG, Yunnan Province, China

A wild orchid living collection was established in Xishuangbanna Tropical Botanical Garden, Chinese Academy of Sciences (XTBG) in 2000, with a total collection of about 96 species in a 0.5 ha land area. The collection focuses on the species distributed in the tropical region of China and southeastern Asia. Through recent years' efforts, orchid plants have been added up to 71 genera, over 271 species (96 genera, 335 species in Xishuangbanna) with many new species and endemic, endangered species such as *Paphiopedilum parishii*, *Flickingeria concolor*, *Bulbophyllum menglunense*, *Gastrodia menghaiensis*, and the area will be enlarged to 3 ha.

According to the behaviour that different species need different habitats, orchids are planted in the tropical rainforest of the garden, on trees, stones and ground, which make them look natural. They are all important materials for orchid research and conservation. At the same time, it's a beautiful collection for public appreciation and education program.

Around this collection, some researches, aimed to seed germination and propagation, pollination, plant conservation and reintroduction, are under way.