

Fig. 1. Photosynthetic light response of *Mikania micrantha*, *Ipomoea obscura*, *Pueraria lobata*, and *Chromolaëua odora*.

Table 7. Light-saturated photosynthetic rate (Asat), light compensation point (LCP), dark respiration (Rd), and quantum yield (QY) of *Mikania micrantha*, *Ipomoea obscura*, *Pueraria lobata*, and *Chromolaena odorata*.

Photosynthetic characteristics	species			
	<i>Mikania micrantha</i>	<i>Ipomoea obscura</i>	<i>Pueraria lobata</i>	<i>Chromolaena odorata</i>
Asat ($\mu\text{mol CO}_2 \text{ m}^{-2}\text{s}^{-1}$)	17.0±1.29 ^a	16.8±0.58 ^a	12.0±0.96 ^b	16.3±0.70 ^a
LCP ($\mu\text{mol photon m}^{-2}\text{s}^{-1}$)	20.5±0.94 ^a	21.8±1.53 ^a	15.1±2.42 ^a	18.4±1.07 ^a
Rd ($\mu\text{mol } \mu\text{mol CO}_2 \text{ m}^{-2}\text{s}^{-1}$)	-1.68±0.25 ^a	-1.20±0.07 ^a	-0.95±0.13 ^a	-1.45±0.15 ^a
QY ($\mu\text{mol CO}_2 / \mu\text{mol photon}$)	0.078±0.008	0.055±0.003 ^a	0.056±0.003 ^a	0.067±0.007 ^a

降低 20%，表示此植物在生理上對溫度的耐性範圍頗為寬廣，應屬廣溫型植物，由此推論小花蔓澤蘭族群在台灣的分佈應不只限於海拔 1000 m 以下，應可更高。

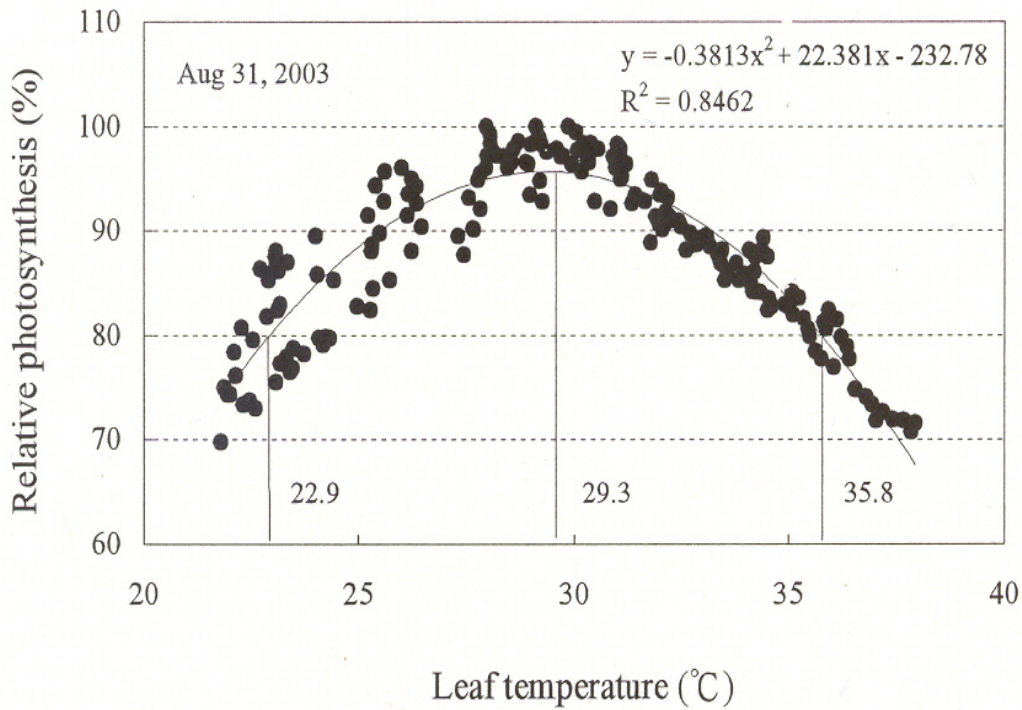


Fig. 2. Photosynthetic temperature response of *Mikania micrantha*.