Maan Bahadur ROKAYA\textsuperscript{a,b,*}, Saroj Kumar KASAJA\textsuperscript{c} and Bijay KHADKA\textsuperscript{d}: *Hoya polyneura* (Apocynaceae) — An Addition to the Flora of Nepal

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**Summary:** *Hoya polyneura* Hook. f. (Apocynaceae) is reported as a species new to the flora of Nepal. A diagnostic key to the *Hoya* species found in Nepal is also provided.

The genus *Hoya* R. Br. (Apocynaceae) comprises ca. 250 species, and mostly distributed from Indomalesia to the Pacific (Mabberley 2017). To date, *Hoya* is represented by seven species in Nepal (Press et al. 2000).

During field research from Kathmandu to Indra Daha, central Nepal on August 2019, we collected an unfamiliar species of *Hoya*. The plant was epiphytic on *Myrsine capitellata*. After critical examination of its morphological features, it was identified as *Hoya polyneura* Hook. f.

*Hoya polyneura* was described by Hooker in 1883. *Hoya polyneura* has not been recorded in the floras for Nepal (Hooker 1883, Hara 1982, Press et al. 2000, Singh 2001, Rajbhandari and Rai 2017, 2019, Rajbhandari et al. 2019).

Adding to the seven *Hoya* species already known in Nepal, here we report *H. polyneura* as a new addition to the Flora of Nepal.


**Type:** EAST HIMALAYA INDIA. Darjiling, 29 Apr. 1849, Herb. Griffith no. 3793 K000873092—syntype). Sikkim. Without precise locality, in 1848/1849, J. D. Hooker s.n. (K000873088, K000873089, K000873091—syntypes).

**Distribution:** Nepal, NE India, Bhutan, Myanmar, SW China (Xizang, NW Yunnan), Laos (Xiangkhouang Province).

Conservation status: It is considered Estimated IUCN Red List status – DD (IUCN 2016).

We checked the specimens of *Hoya polyneura* in major herbaria, and found three other specimens collected in Nepal: from Tamur River (J. D. Hooker s.n., K000873090), from Koshi Zone (M. Suzuki & al. 8821241, KATH160090), and from Arun Valley (Edinburgh Makalu Expedition 102, E00889203). Therefore, *H. polyneura* has not been reported properly, although it has been collected in Nepal from the 19th century to recent years. In addition, our collection at Indra Daha, central Nepal, revealed the westernmost distribution for *H. polyneura*.

**Voucher specimens:** CENTRAL NEPAL. Indra Daha, Daha Chowk, Kathmandu District, 1805 m (S. K. Kasaju, M. B. Rokaya & B. Khadka SK411, 19 Aug. 2019, KATH).

4. Leaves not linear, usually more than 6 mm wide .............................................. 6

5. Corolla papillosely puberulous within, corolla lobes ovate flattened ............................... 6

...............  H. linearis var. linearis

5. Corolla glabrous within, corolla lobes longer narrower sub-cylindric .................................. 6

............... H. linearis

6. Leaves broadly rhombic, lateral nerves numerous and parallel, at an acute angle with midrib .......................................... H. polyneura

6. Leaves ovate, elliptic, obovate or oblong, nerves not as above ........................................ 7

............... H. serpens Hook. f.

7. Leaf base rounded to subcordate, apex rounded ..................... H. serpens Hook. f.

7. Leaf base cuneate to rounded, apex abruptly acuminate to caudate, or acute to acuminate ............................................. 8

............... H. arnottiana Wight

8. Flowers cream to pale yellow-pink, slightly scented .................. H. arnottiana Wight

8. Flowers waxy-white to yellow, not scented ................................. H. edenii King ex Hook. f.

M. B. Rokaya\textsuperscript{ab}, S. K. Kasaju\textsuperscript{c}, B. Khadka\textsuperscript{d}: ネパール新産の Hoya polyneura（キョウチクトウ科）

キョウチクトウ科サクララン属の1種, Hoya polyneura Hook. f. をネパールから初めて記録した。産地は中部のKathmandu Districtと東部のSankhuwa Sabha Districtである。サクララン属は350-400種ほどが知られ、ネパールには本種を加えて合計8種となる。

References


