

Short Note

Nymphaea tetragona (*Nymphaeaceae*) a new record for flora of Nepal

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The genus *Nymphaea* comprises 50 species around the world and distributed in south East Asia (Dezhi *et al.*, 2001). *Nymphaea tetragona* Georgi is also known as pygmae water lily and distributed in China, India, Japan, Kashmir, Kazakhstan, Korea, Russia, Vietnam; North America, Europe (Dezhi *et al.*, 2001).

There are three species of *Nymphaea* in Nepal, namely *N. nouchali* N. L. Burm., *N. rubra* Roxb. ex Andrews and *N. lotus* var. *pubescens* (Wild.) Hook. f. and Thoms. distributed in the tropical region (Press *et al.*, 2000; Rajbhandari and Bhatt, 2011; Raskoti *et al.*, 2011). *N. tetragona* is not previously reported so far from Nepal (Hara *et al.*, 1978; Press *et al.*, 2000; Bista *et al.*, 2001). There is no record of herbarium specimen in the National Herbarium and Plant Laboratories (KATH) and Tribhuvan University Central Herbarium (TUCH). In this study, *N. tetragona* have been collected by B. B. Raskoti and Rita Ale from the Banke District, of Mid-western Nepal and the specimen is deposited at KATH.



1(A)



1(B)

Fig. 1(A)- Flowering plant *N. tetragona*.
B- Herbarium specimen of *N. tetragona*.

N. tetragona Georgi, Bemerk. Reise Russ. Reiche 1: 220. 1775. (Figure 1 A,B).

Rhizomes not branched, erect. Leaves cordate-ovate, 5–12 × 3–8 cm, dorsal side glabrous, weakly peltate, base deeply cordate, margin entire. Flower floating, white, 3–5 cm in diam. Sepals persistent, inserted on receptacle, tetragonous, broadly lanceolate, 2–4 cm, apex subacute. Petals 10, white, obovate, 2–3 cm, alternate to stamens, apex acute. Filament of inner stamens wider than anther, connecting apically without appendages. Carpels united ovary inilocular. Stigma rays

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several; carpel appendages ovate. Fruit globose, 2–3 cm in diam. Seeds smooth, ellipsoid, 2–4 mm long.

Flowering: October-November.

Habit and habitat

Open shallow ponds near roadsides, at an altitude of 160–300 m. Population of the *N. tetragona* is decreasing due to its habitat destruction, overexploitation for ornamental and religious use.

Distribution

Nepal (Mid-western Nepal), China, India, Japan, Kashmir, Kazakhstan, Korea, Russia, Vietnam; North America, Europe.

Specimen examined

Mid-western Nepal, Banke District, Nepalganj at altitude of about 160 m, Oct 22, 2010, B. B. Raskoti and R. Ale 210 (KATH).

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