



Torenia crustacea (L.) Cham. & Schltl.: New Addition to Flora of Morni Hills

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Abstract: During the recent visit to study the Morni Hills flora, authors came across the following one species which is new to the Flora of Morni Hills i.e. *Torenia crustacea* (L.) Cham. & Schltl. A detailed description, updated citation, phenology, habit, distribution and herbarium are presented here.

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Keywords: Flora of Morni Hills, Morni Hills, New Addition.

Introduction

Morni Hills is situated in Panchkula district of Haryana at 30°55' to 34°45' N latitude and 70°00' to 75°15' E longitude and forms a part of lower Shivalik ranges. Previously Jain *et al.* (2000) studied Flora of Haryana and recorded 1003 species of Angiosperms belonging to 586 genera and 132 families. Kumar (2001) reported 1062 species under 583 genera representing 138 families. Kumar and Nagiyan (2006) found 370 species of trees and shrubs falling under 241 genera and 71 families in Haryana. Negi *et al.* (2010) have reported 602 plant species which includes 01 Bryophyte, 09 Pteridophyte, 01 Gymnosperm and 591 Angiosperms. Singh and Vashistha (2014) reported 553 species falling under 95 families in Morni Hills. Balkrishna (2018) reported 980 plant species falling under 612 genus, 150 families. Negi *et al.* (2010) reported this plant from Shiwalik hills of Darpur (Yamunanagar). During the recent plant survey and collection trip to Morni Hills, Panchkula (Haryana), one plant species was recorded which is new addition to Flora of Morni Hills, Panchkula, Haryana i.e. *Torenia crustacea* (L.) Cham. & Schltl. A systematic enumeration, detailed botanical description, ecological notes, phenological data and herbarium is given below.

Torenia crustacea (L.) Cham. & Schltl. in *Linnaea* 2(4): 570. 1827. *Capraria crustacea* L., *Mant. Pl.* 1: 87. 1767. *Lindernia crustacea* (L.) F. Muell., *Syst. Census Austral. Pl.* 1: 97. 1882; Singh, A. N. in Mudgal, V. *et al.*, *Fl. Madhya Pradesh* 2: 225-226. 1997; Kumar, S., *Fl. Haryana (Materials)* 275. 2001. *Vandellia crustacea* (L.) Benth., *Scroph. Ind.* 35. 1835; Hook.f., *Fl. Brit. India* 4: 279. 1884.



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PATANJALI HERBARIUM Patanjali Research Foundation Haridwar-249405	
Collection Number:	476
Botanical Name:	<i>Lindernia crustacea</i> (L.) F. Muell.
Family:	Linderniaceae (L.) F. Muell.
Common Name:	GPS: 300-700 M
Locality:	Morni Hills
District/State:	Panchkula, Haryana
Date of Collection:	30.06.2018
Flowering and Fruiting:	August-February
Ecological Notes:	Common in wet or moist habitats throughout Morni Hills.
Collector:	Patanjali Research Team
Identified By:	Bhasker Joshi

Annual, erect or decumbent herb. Stem quadrangular, pubescent on the angles. Leaves ovate, 0.8-2 x 0.5-1.5 cm, apex obtuse, base rounded or cordate, margin entire or serrate; petiole 2-7 mm long. Flowers axillary, solitary and in sub-raceme; pedicel 0.5-2 cm long. Calyx 3.5-4 mm long; teeth deltoid or lanceolate, acute. Corolla purple or blue-violet, yellow-red in throat, 7-12 mm long. Stamens 4. Capsule oblong-ovoid, truncate. Seeds pale yellow, ovoid with minute tail at one end, granulate.

Fl. & Fr.: August – February.

Distribution: Common in wet or moist habitats.

Panchkula: Morni Hills- Patanjali Research Foundation-646.

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