

## Two new records to the Flora of Himachal Pradesh (India) from Sirmour District

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### Abstract

Extended distribution of to Himachal Pradesh (India) for two leguminous species [*Crotalaria medicagenia* var. *neglecta* (Wight & Arnott) Baker, and *C. sessiliflora* var. *sessiliflora* f. *garhwalensis* Ansari & Thothathri], collected from the Sirmour District, has been recorded in this article.

**Key words:** *Crotalaria*, new records, Himachal Pradesh

### INTRODUCTION

During floristic survey in Sirmour District of Himachal Pradesh, *Crotalaria medicagenia* var. *neglecta* and *C. sessiliflora* var. *sessiliflora* f. *garhwalensis*, have been collected and identified in consultation with authenticated specimens and relevant literature at Botanical Survey of India (BSD), Forest Research Institute, Dehra Dun (DD) and Wildlife Institute of India, Dehra Dun (WII). These species have not so far been recorded in literature dealing with the Flora of Himachal Pradesh (Collett 1902; Nair 1977; Polunin & Stainton 1984a,b; Murti & Uniyal 1985; Singh & Nath 1987; Aswal & Mehrotra 1994; Sharma & Singh 1996; Sharma & Dhaliwal 1997; Dhaliwal & Sharma 1999; Singh & Rawat 2000; Kaur & Sharma 2004; Singh & Sharma 2006; Ansari 2008; Pusalkar & Singh 2008). So, the present record of these two taxa forms the new record for the state flora of Himachal Pradesh in India. The distribution of these two species is plotted in Plate I, Figure G.

### ENUMERATION

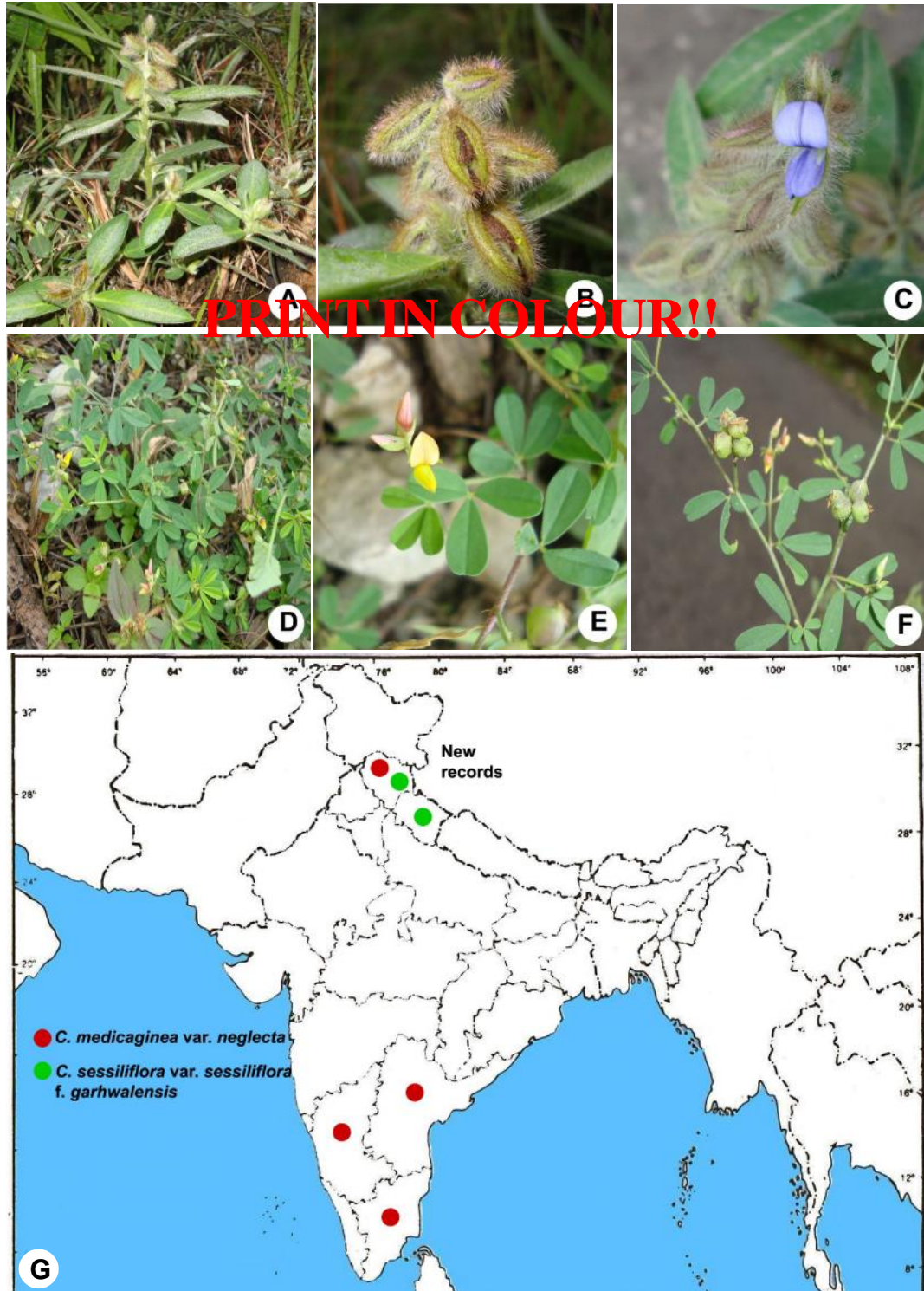
***Crotalaria medicagenia* var. *neglecta*** (Wight & Arnott) Baker in J.D. Hooker, Fl. Brit. India 2: 81. 1876. *Crotalaria neglecta* Wight & Arnott, Prodr. Fl. Ind. Orient. 1: 192. 1834. [Plate – I; Figures D, E & F]

*Flowering & Fruiting:* August – November.

*Habitat & Ecology:* Commonly restricted to drier parts, also in hilly area on road sides vegetation; up to 2000 m.

*Specimens cited:* Dungi (Rajgrah), Sirmour district, Himachal Pradesh, 14.09.2012, Subramaniam 5010, Subramaniam 5030.

*Distribution:* India (Tamil Nadu, Karnataka, Andhra Pradesh and now in Himachal Pradesh); Endemic. [Plate – I; Figure G]



**PLATE – I:** **A.** Habit of *Crotalaria sessiliflora* var. *sessiliflora* f. *garhwalensis* (*Csg*); **B.** Close-up of pods with persistent calyx of *Csg*; **C.** Flower of *Csg*; **D.** Habit of *Crotalaria medicaginea* var. *neglecta* (*Cmn*), **E.** Close-up of flower of *Cmn*; **F.** Twig with globose pods in *Cmn*; **G.** Distribution map for the two species

*Crotalaria sessiliflora* var. *sessiliflora* f. *garhwalensis* Ansari & Thothathri, J. Econ. Taxon. Bot. 6 (3): 744 – 746. 1985. [Plate – I; Figures A, B & C]

Flowering & Fruiting: October

Habitat & Ecology: Cut slopes in hilly areas on; open vegetation up to 1700 m.

Specimens cited: Himachal Pradesh, Sirmour district, Pubyana (Rajgrah), 14.09.2012, Subramaniam 500, Subramaniam 5005.

Distribution: India (Uttarakhand and now in Himachal Pradesh); Endemic. [Plate – I; Figure G]

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