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Perspective Paper

# A new locality record for an endangered tree species *Pittosporum eriocarpum* Royle (Pittosporaceae) in India

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*Pittosporum eriocarpum* Royle (Pittosporaceae) an endangered tree species is collected and reported for the first time from the Kangri, Dhamrol village of Bhoranj block which is quite near to Bhareri of Jahu road of district Hamirpur, Himachal Pradesh, North West Himalaya. This makes another locality record for an endangered tree species in the North West Himalaya. A detailed taxonomic description of the species along with colour photographs and specimens examined is presented in this paper to validate the new locality report and for easy identification of the species.

Key words: Pittosporum eriocarpum Royle, locality record, endemic and endangered tree, Himachal Pradesh.

# INTRODUCTION

Hamirpur (76° 18' to 76° 44' E and 31° 25' to 31° 52' N), is one of the smallest district of the Himachal Pradesh in terms of area but richest in terms of vegetation because it shares its boundary with district Kangra in the north, Bilaspur in the south, Mandi in the east and Una in the west. It is located in the south western part of Himachal Pradesh, North west Himalaya and the elevation varies from 400 to 1200 m amsl. The hilly tracts of district are totally covered by the famous Shivalik range and supports subtropical to temperate vegetations and offers congenial climatic conditions favourable for luxuriant growth of the vegetation including many rare, endangered species. While enumerating the floristics diversity of the district, an endemic, endangered tree species that is *Pittosporum eriocarpum* Royle has been collected from Kangri, Dhamrol village of Bhoranj block growing near the agricultural field which is quite near the Bhareri to Jahu road (Figure 1). Further, as per the previous reports, *P. eriocarpum* Royle is an endemic tree species restricted to Uttarakhand Himalaya (Osmaston, 1927; Kanjilal, 1928). Earlier records reported scarce population of *P. eriocarpum* in the lesser Himalayan range including Mussoorie hills and Doon Valley (Singh and Goel, 1999; Pundir et al., 2001; Padalia et al., 2010) in Uttarakhand state in and Chamba, Himachal Pradesh (Chowdhery and Wadhwa, 1984). Further based on the detailed literature and herbaria survey especially from Himachal Pradesh, it was reveals that *P.eriocarpum* Royle (family Pittosporaceae) was reported from only Chamba district, (Chowdhery and Wadhwa, 1984)

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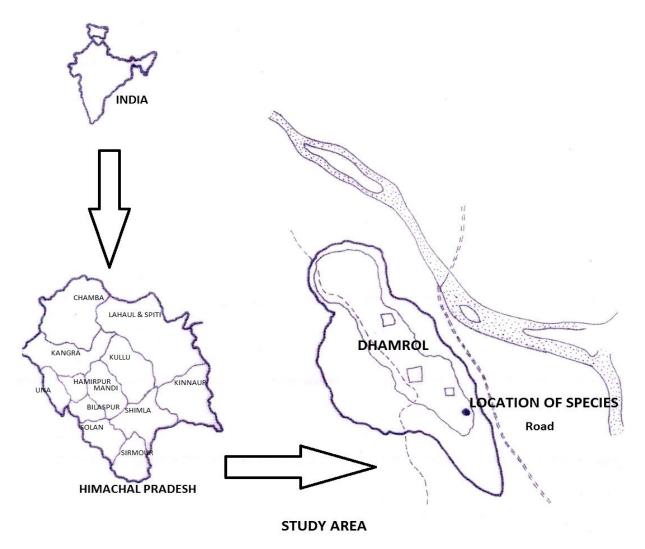


Figure 1. Location map of the study area.

and Rissa Khad Watershed near Riwalsar in Mandi district (Devi, 2013). The presence of this species in such area (locality) shows high conservation value of the Bharari village of Bhoranj block, and the presence of such species justify by the authors above said the localities is an interesting record. Further the species has been cited as Vulnerable in Red Data Book of Botanical Survey of India (Nayar and Shastri, 1987, 1988, and 1990) and as endangered by International Union for Conservation of Nature and Natural Resources (IUCN) World Conservation Monitoring Centre (WCMC, 1998)

In the present study, a brief introduction about taxon, morphological descriptions, specimens examined, ecology and distribution of taxon have been provided for easy identification. The voucher specimens were deposited in the Herbarium (SP-HP-007), Centre for Biodiversity Studies, Baba Ghulam Shah Badshah University, Rajouri. *Pittosporum* is a genus of about 200 species of flowering plants in the family Pittosporaceae. The genus is probably Gondwanan in origin; its present range extends from Australia, eastern Asia and some parts of Africa of which 12 species occur wild in India (Little et al., 1989).

*Pittosporum* is a small evergreen tree, upto 12 m in height, bark thin, light greenish grey; leaves loosely crowded towards the ends of the branches; lanceolate to elliptic oblong; flowers yellow; fragrant, much in branched corymbose or umbelliform clusters; capsules orange, slightly compressed; seed orange red, coated with a resinous, viscid fluid (Figure 2a and b).

### Habitat

Very rare (on the basis of distribution), growing singly



Figure 2. *Pittosporum eriocarpum* Royle with unripe (a) and ripe seeds (b) at Bhoranj Tehsil, District Hamirpur, Himachal Pradesh.

near the agricultural land along road side.

#### **Specimens examined**

Kangri, Dhamrol, 1145 m amsl, growing near the agricultural land along road side.

# Distribution

North West Himalaya (Uttarakhand: Dehradun (around Kempty falls), Mussoorie hills and Jeullikot in Nainital district and Himachal: Chamba, Rissa Khad Watershed near Riwalsar, Mandi district).

#### **Economic importance**

It is classified as a multipurpose tree, and is lopped for fodder and fuel wood, and is a suitable species for soil conservation and reclamation of degraded sites.

#### **Conflict of interests**

The authors did not declare any conflict of interest.

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