Extended distribution of a rare orchid *Cheirostylis parvifolia* from northern Western Ghats of Maharashtra, India

*Cheirostylis parvifolia* Lindl. belongs to the family Orchidaceae of subtribe Goodyerinae and tribe Cranichideae. It shows scattered and restricted distribution in the Western Ghats and Sri Lanka (Bhattacharjee 2012, 2013). In Maharashtra, *Cheirostylis parvifolia* is restricted to the forests of the Western Ghats as it grows in the undergrowth of semi-evergreen to evergreen forest habitats. It has been reported from various locations of the Northern Western Ghats (NWG) and recently, it has been reported from Mahendragiri, Odisha in the Eastern Ghats (Dash et al. 2015).

The authors collected the flowering plant specimens during their forest survey from Kalkai Sacred Grove of Kondedhar, Raigad District in NWG of Maharashtra. Based on the critical study of the plant, it was identified as *Cheirostylis parvifolia* Lindl. The literature survey indicated that the reported species showed the northernmost distribution in the Western Ghats of India. A short description of the species is

![Cheirostylis parvifolia Lindl.](image)
provided and the collected specimen has been deposited in Agharkar Herbarium (AHMA) of Agharkar Research Institute, Pune. A distribution map of *Cheirostylis parvifolia* is prepared using the locations available in the literature (Sasidharan 1997; Ganesan & Livingstone 2001; Yadav & Sardesai 2002; Jalal & Jayanthi 2018).


Terrestrial herb, lithophytic or epiphytic; stem erect, 8–15 cm tall; rhizomes fleshy greenish-brown, creeping; leaves mostly near the base, 1–3 cm in length, ovate, acuminate and papery; flowers pinkish-white, 4–8 inscape; sepals connate; petals bi-lobed lip longer than sepals; lobes with 2–4 irregular sublobes at the apex; capsule elliptic-ovate, ribbed, and hairy.

**Flowering & Fruiting:** November to January.

**Distribution:** India (Maharashtra, Odisha, Tamil Nadu, Kerala) and Sri Lanka. Maharashtra: Kolhapur—Patgaon, Chandgad (Jalal & Jayanthi 2018), Dhajipur (Punekar 2002); Satara—Koyana (Pathare 2017), Chandoli (Kavade & Deokule 2015); Sindhudurga-Amboli (Jayaweera 1981; Almeida 1990) and Raigad-Kaikadevi.

Distribution records of *Cheirostylis parvifolia* based on literature and present observation.
sacred grove of Kondedhar (present record).

**Exsiccata:** Kondedhar, 03.xi.2016, Shigwan & Kulkarni 000301 & 31441 (AHMA).

**Ecological notes:** The species was found to be growing with the help of rhizomes on boulders covered with moss. Only 10 individuals were recorded at the location. According to Bhattacharjee (2013), this species should be declared as Near Threatened (NT) following the rules of IUCN (2012). It is also prone to various disturbances in the forests due to tiny habitats. The current location of the sacred grove is close to the road and high human interference was observed which makes the species vulnerable. There is an urgent need for conservation efforts for this species distributed in the NWG.

![Herbarium sheet of Cheirostylis parvifolia © AHMA.](image)

**References**


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